











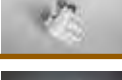
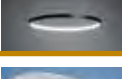
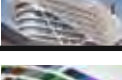




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—  
*Projektleuchten –  
Maßgeschneiderte  
Qualität  
Custom made quality*  
—

Unsere Kunden sind international tätige Planungsbüros, Lichtplaner, Architekten, Stadtplaner, Landschaftsbauer, Städte und Gemeinden, Elektriker, Hotels, Unternehmer, Ladenbauer, Messeplaner, Lichtkünstler, Designer und Fachleute, die mit modernster Beleuchtungstechnik ihre Projekte mit unserer Hilfe realisieren.

Our Customers are international consultants, lighting designers, architects, urban planners, landscapers, cities & municipalities, hotels, entrepreneurs, shop fitters, exhibition planners, light artists, designers and professionals, who realize their projects with our latest lighting technology.

Wir sind ein mittelständisches Unternehmen und haben uns auf die Entwicklung und Herstellung von innovativen, projektbezogenen Sonderleuchten spezialisiert. Dank unserer Forschungs- und Entwicklungsarbeit im Bereich der Reflektor- und Linsentechnik, sind unsere Leuchten hocheffizient und immer auf dem neuesten Stand der Technik.

Durch unseren umfangreichen, modernen Maschinenpark sind wir in der Lage, flexibel auf die Anforderungen unserer Kunden zu reagieren.

Wir entwickeln und fertigen unsere Leuchten und Reflektoren gemäß VDE 0711-1 bzw. EN60598 und den weiteren gültigen DIN- bzw. EN-Normen in allen gängigen Schutzarten.

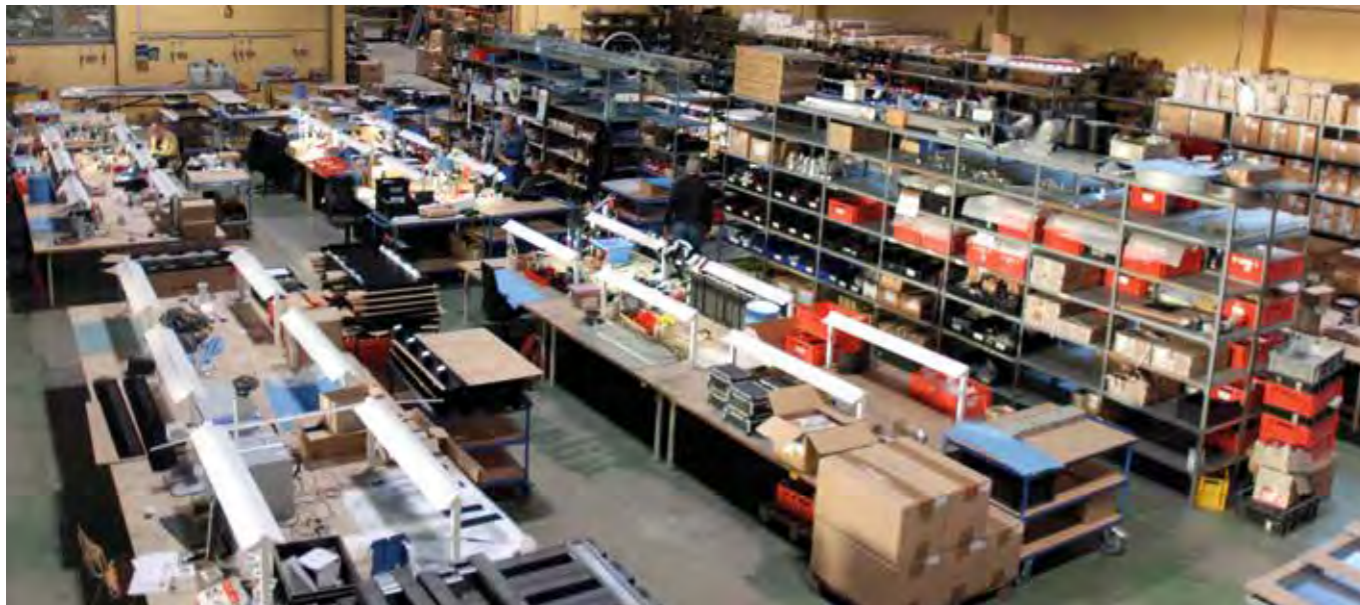
Von der kurzfristigen Musterproduktion in Kleinserie bis hin zur termingerechten Projektausführung in hohen Stückzahlen, liefern wir Ihnen Leuchten gemäß Ihren Wünschen und Anforderungen.

We are a medium-sized company and have specialized in development and production of custom made, innovative lighting solutions. Thanks to our constant effort into research and development of our reflector- and lens technology, our lighting solutions are highly efficient and always equipped with the latest technology.

With our extensive and modern machinery, we are able to adapt to each customer's requirement for project specific solutions.

Our luminaires and reflectors are developed and manufactured according to VDE 0711-1, EN60598 and other applicable standards.

From short-term prototype production in small series, to full-scale projects with large quantities, we deliver our lights to you according to your needs.



### LEISTUNGSSPEKTRUM

CAD / 3D Konstruktion & Visualisierung  
 Lichtberechnung  
 Reflektordesign und -fertigung  
 LED Platinenlayout  
 Lichtmessung, LVK  
 EMV Prüfung  
 Computerunterstützte Leuchtenprüfung  
 Temperaturmessung mit  
 PC-Dokumentation  
 Thermofotografie  
 Prototypenbau

### SERVICE PORTFOLIO

CAD / 3D construction and visualization  
 Light calculations  
 Reflector design and production  
 LED PC board layout  
 Photometry, LDT  
 EMC testing  
 Computer-aided test of luminaires  
 Temperatur measurement /testing  
 Thermo photography  
 Prototyping



### MASCHINENPARK

CAD/CAM CNC Stanz- & Laserschneiden  
 CAD/CAM CNC Abkanten & Pressen  
 CNC Reflektoren verformen  
 CAD/CAM CNC Drehen  
 CAD/CAM CNC Fräsen  
 Schweißen MIG/MAG, WIG  
 Impulsschweißen & Punktschweißen  
 Bolzenschweißen & Mutterschweißen  
 Sägen  
 Rollen  
 Werkzeugbau  
 Kabelkonfektionierung  
 Sandstrahlen  
 Schleifen, Polieren  
 Pulverbeschichten

### MACHINERY IN OPERATION

CAD/CAM CNC punch & laser-cut  
 CAD/CAM CNC bending & pressing  
 CNC reflector forming  
 CAD/CAM CNC turning  
 CAD/CAM CNC milling  
 Welding MIG/MAG, TIG  
 Arc welding, spot-welding  
 Stud welding, nut welding  
 Sawing  
 Bead forming  
 Tool design and construction  
 Cable customization  
 Abrasive blasting  
 Grinding, polishing  
 Powder coating

## RIGO 801

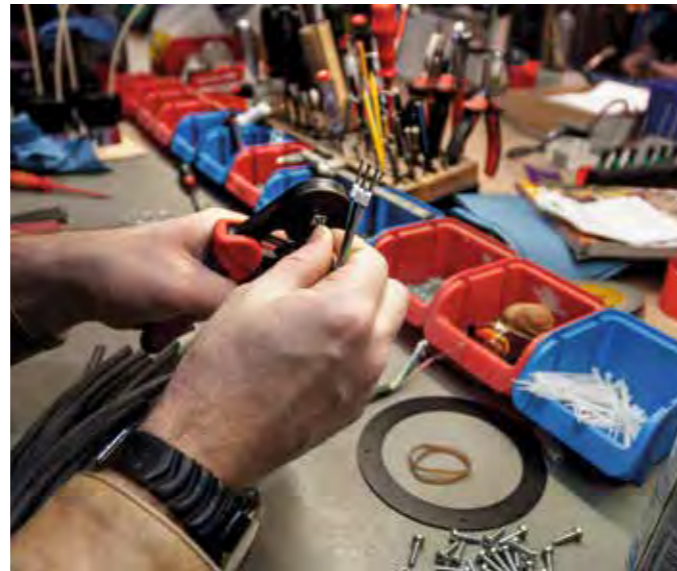
### NAHFELDGONIOPHOTOMETER

Das kamerabasierte Messverfahren macht es möglich, Lichtstärkeverteilungen, Strahlendaten und Leuchtdichteverteilungen von LEDs, bis hin zu kompletten Leuchten, zu ermitteln.

### NEARFIELDGONIOPHOTOMETER

Through a camera-based measuring method, it is possible to detect light intensity distributions, radiation data and luminance distributions of LEDs up to complete luminaires.





### TECHNOLOGISCHE MÖGLICHKEITEN

Wir setzen auf immer neue Entwicklungen, Flexibilität und einen Maschinenpark der Extraklasse. Modernste CNC-gesteuerte Bearbeitungszentren sowie Stanz- und Laserschneidanlagen formen Stahl, Edelstahl und Aluminium. Die Reflektorfertigung, Platinenbestückung, der Prototypenbau, Lichtmessung, Pulverbeschichtung und Kabelkonfektionierung ermöglichen schnelle Reaktion und eine Komplettfertigung aus einer Hand.

### TECHNOLOGICAL POSSIBILITIES

We focus on new research and development, flexibility and high-end machinery. With the help of the best CNC-controlled machining-centres as well as punching and laser cutting machines, we form steel, stainless steel and aluminium. The reflector production, the pcb-assembly-line, prototype construction, light measurement, powder coating and cable assemblies allow rapid responses and the best one hand solution.

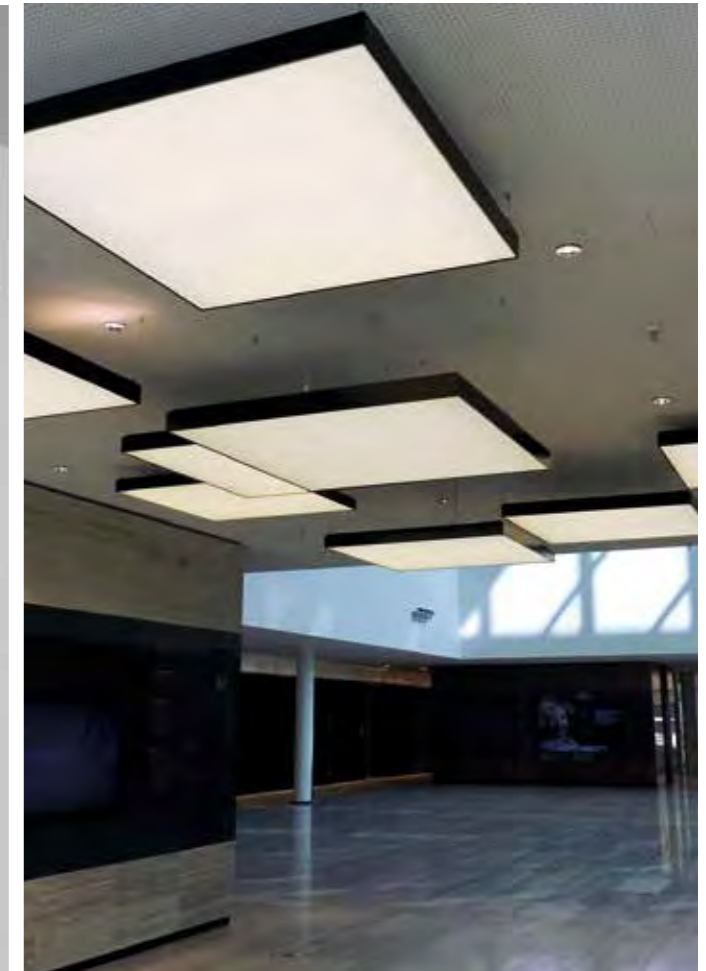


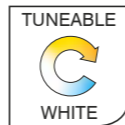
Unsere Leuchten bestechen durch ihre hohe Lichtausbeute, blendfreie sowie gleichmäßige Ausleuchtung und sind unter anderem als Regal-, Bild-, Tafel- oder Wandbeleuchtung in Fluren, Shops, Galerien, Büros oder Showrooms weltweit im Einsatz. Projektleuchten-Licht sorgt für flächige und blendfreie Ausleuchtung des Bildschirmarbeitsplatzes und kann in Verwaltungsgebäuden, Büros, Industriegebäuden, Museen und Einkaufszentren eingesetzt werden.

„Wir entwickeln ein optimales Produkt mit Allround-Einsatzmöglichkeit... Unsere Leuchten sind das Filet-Stück“

Our luminaires are characterized by their high luminous efficiency and by glare-free and homogeneous light distribution and are used as general lighting as well as to illuminate shelves, exhibits, walls & ceilings in hotels, educational facilities, shops, galleries, offices or showrooms all over the world. Thanks to our extensive manufacturing possibilities, our light fittings can be individually customized according to your project's requirement.

„We develop the best possible product for a wide range of applications... Our Lights are the tenderloin-piece“





### LICHTQUALITÄT AUF WUNSCH

Tunable White erschließt neue Wege für die Beleuchtung von Räumen und Objekten. Dabei verbessert die lückenlose Bandbreite von 2.200 bis 6.500 Kelvin nicht nur die Lichtqualität, sie schafft auch Blickfänge, hebt Farben hervor und ermöglicht flexibel adaptierbare Lichtlösungen bei gleichbleibendem Erscheinungsbild. Die Steuerung der Leuchten funktioniert nur in Zusammenhang mit einem Steuerungssystem.

So ist Tuneable White vor allem ein Gewinn für Kultureinrichtungen und Verkaufsräume, wo saisonale Produkte und wechselnde Warenkonzepte im Shop und Präsentationsbereich Alltag sind.

Mit variablen Farbtemperaturen von warm bis kaltweiß können Lichtlösungen mit Tuneable White zu jedem Zeitpunkt die Ware bzw. den Raum ins richtige Licht setzen. Im Bereich Kunst und Kultur lassen sich gleich mehrere Anforderungen aufgrund der LED Technologie mit Tuneable White erfüllen. So schont das nahezu IR und UV freie Licht empfindliche Exponate.

Vor allem aber können mit den präzisen Farbeinstellungen bei wechselnden Ausstellungsobjekten feinste Nuancen herausgearbeitet werden, ohne Lampen oder Leuchten zu tauschen.

Die Aufgabe von modernen, biologisch wirksamen Lichtlösungen ist es, die Wirkung des Tageslichts in den Räumen nachzubilden und dadurch die innere Uhr des Menschen zu synchronisieren.

### LIGHTING-QUALITY ON DEMAND

Tunable White opens up new ways for illuminating rooms and objects. The seamless bandwidth of 2.200 to 6.500 Kelvin not only improves the quality of the light, it also creates eye-catchers, emphasizes colors and enables flexible adaptable lighting solutions with a consistent appearance. The control of our Tuneable White fixtures only works in connection with a control system.

So Tuneable White is above all a benefit for cultural institutions, offices and salesrooms, where seasonal products and changing product concepts are used frequently in the retail and presentation sector.

With variable color temperatures from warm to cold white, our lighting solutions with Tuneable White can put rooms and objects in the right light at any time. Subtle nuances can be worked out with precise color settings for changing exhibition objects without having to change lamps or lights.

In museums and cultural institutions, several additional requirements can be fulfilled thanks to the LED technology with Tuneable White, as the almost IR and UV-free light protects and helps to conserve sensitive exhibits and objects.

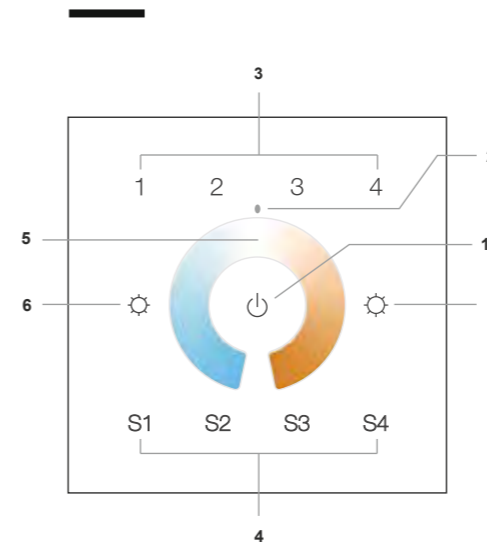
The purpose of modern, biologically effective lighting solutions is to replicate the effect of the daylight-cycle inside interior spaces and to synchronize the human's internal clock.

Daher sind Beleuchtungskonzepte mit Tuneable White auch für Büro-, Bildungs- und Pflegeeinrichtungen von hohem Stellenwert: Der Einsatz von dynamisch wechselndem Licht in Büroräumen und Bildungseinrichtungen wirkt aktivierend, entspannend und hilft die Konzentration zu verbessern.

Warmweißes, helles Licht am Morgen und Abend, kaltweißes Licht mit höherem Blauanteil am Mittag: So kann dynamisch gesteuertes Kunstlicht die biologische Uhr des Menschen stabilisieren. Bei pflegebedürftigen Personen, die keinen Zugang zu natürlichem Tageslicht haben, können dynamisch wechselnde Farbtemperaturen den circadianen Rhythmus ebenfalls unterstützen und verbessern. Dadurch soll eine Positivspirale initiiert werden, in der über einen erholsamen Schlaf in der Nacht und die Aktivierung am Tage die emotionale Befindlichkeit insgesamt positiv beeinflusst wird.

Therefore, lighting concepts with Tuneable White are also of high importance for offices, education- and healthcare-facilities: The use Tuneable White light in Office spaces and educational facilities are activating, calming and helps to improve concentration.

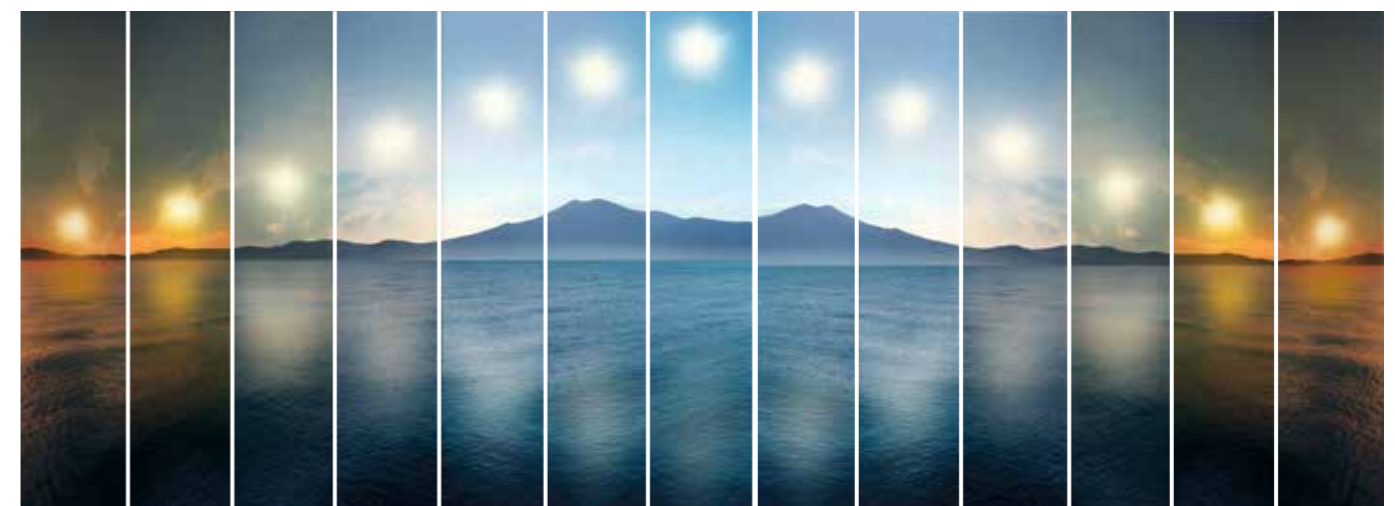
Warm, bright light in the morning and evening, cold and bluish light at noon: This is how Tuneable White can stabilize the human biological clock. For those in need of care who have no access to natural daylight, Tuneable White can also support and enhance the circadian rhythm. This is intended to initiate a positive spiral in which the emotional state of being is positively influenced by a restful sleep at night and activation during the day.



#### DT8 DALI DUAL COLOR TOUCH CONTOLER

**1** EIN / AUS-Taste, **2** LED-Anzeige, **3** Vier Gruppen, klicken zum Auswählen, drücken und halten zum Ein- und Ausschalten, **4** Szenentaste, drücken und halten zum Speichern einer Szene, klicken zum Abrufen, die gespeicherte Szene überdeckt das vordefinierte, **5** CCT-Farbrad, schieben um WW und CW auszuwählen, **6** Gedrückt halten, um die Lichtintensität zu verringern, **7** Gedrückt halten, um die Lichtintensität zu erhöhen.

**1** ON/OFF button, **2** LED indicator, **3** Four Groups, click to select, press and hold down to turn ON/OFF, **4** Scene button, press and hold down to save a scene, click to recall, the saved scene will cover the predefined one, **5** CCT color wheel, slide to select WW and CW, **6** Press and hold down to decrease light intensity, **7** Press and hold down to increase light intensity.



2200K

5500K

7000K

5500K

2200K



AUFBAU DER ARTIKELNUMMER

Unsere Produkte können individuell und für jeden Bedarf zusammengestellt werden. Die entsprechende Artikelnummer besteht aus mehreren Komponenten. Wählen Sie aus den unterschiedlichen Optionen aus, um das gewünschte Produkt zu erreichen, und tragen Sie diese in die vorgesehenen Nummernfelder ein.

- Position 1 steht für die Produktkennung
- Position 2 steht für die elektrische Leistung
- Position 3 steht für die Art des Vorschaltgerätes bzw. die Art der Steuerung
- Position 4 steht für den Abstrahlwinkel
- Position 5 steht für die Farbtemperatur der LEDs
- Position 6 steht für den CRI Wert
- Position 7 steht für die Gehäusefarbe (RAL-Farben)
- Position 8 steht für mögliche Extras

COMPOSITION OF THE PRODUCT ID

Our products can be customized according to our client's request. The corresponding article number consists of several components. Choose from the different options to compose the product and enter it in the provided number fields.

- Position 1 stands for the product ID
- Position 2 stands for the wattage
- Position 3 stands for the type of power supply / dimming protocol
- Position 4 stands for the beam angle
- Position 5 stands for the colour temperature of the LEDs
- Position 6 stands for the CRI
- Position 7 stands for the colour of the housing (RAL-colours)
- Position 8 stands for optional extras / accessories

BEISPIEL / EXAMPLE

ARTIKELNUMMER / ARTICLE NUMBER: <sup>1</sup>1 <sup>2</sup>3 <sup>3</sup>4 <sup>4</sup>0 <sup>5</sup>0 <sup>6</sup>1 <sup>7</sup>5 <sup>8</sup>Z <sup>9</sup>F <sup>10</sup>4 <sup>11</sup>0 <sup>12</sup>9 <sup>13</sup>0 <sup>14</sup>4 <sup>15</sup>X

Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
<sup>1</sup> 1340	001 = 1W	X = Ohne/None	A = Asymetrisch	27 = 2700K	8 = 80	01 = RAL 9016 ○	<sup>8</sup> X = Ohne/None
	<sup>2</sup> 015 = 1,5W	Y = DALI	B = 2x20°	30 = 3000K	<sup>6</sup> 9 = 90	02 = RAL 9006 ●	
	002 = 2W	W = DALI DT8	C = 2x30°	35 = 3500K		03 = RAL 9005 ●	
		<sup>3</sup> Z = On/Off	D = 2x40°	<sup>5</sup> 40 = 4000K		<sup>7</sup> 04 = RAL 7016 ●	
		V = DMX	E = 2x50°	50 = 5000K		05 = DB703 ●	
		U = PUSH	<sup>4</sup> F = 2x38°	57 = 5700K			
		T = 1-10V		T1 = 2200K - 4000K			
		S = Phase Cut		T2 = 2200K - 4500K			
				T3 = 2200K - 5000K			
				T4 = 2200K - 5700K*			
				T5 = 2700K - 4000K			
				T6 = 2700K - 4500K			
				T7 = 2700K - 5000K			
				T8 = 2700K - 5700K*			

# SQUARE

Der SQUARE Reflektor ist für eine flächige, blendfreie und homogene Ausleuchtung von Innenräumen, Büroarbeitsplätzen und Korridoren konzipiert.

Dank der quadratischen Abstrahlcharakteristik, in Kombination mit einer Vielzahl von Gehäusetypen und verschiedener Lichtpunktanordnungen, erreichen wir eine hocheffiziente und gleichmäßige Ausleuchtung bei minimalem Verlust durch unerwünschtes „Streulicht“

Unsere SQUARE Leuchten bringen das Licht mit Abstrahlwinkeln von 2x35°, 2x45° und 2x55° genau dahin wo Sie es brauchen.















Our Square-reflector has been designed to deliver a glare-free and homogeneous illumination for Indoor spaces, offices, work stations and corridors.

Thanks to the square-shaped light distribution, in combination with a huge variety of different housings and light-point-layouts, we achieve a high-efficient and uniform illumination with minimal loss caused by “light-spilling”

Our SQUARE-luminaires deliver the light with beam angles of 2x35°, 2x45° and 2x55° exactly where you need it.

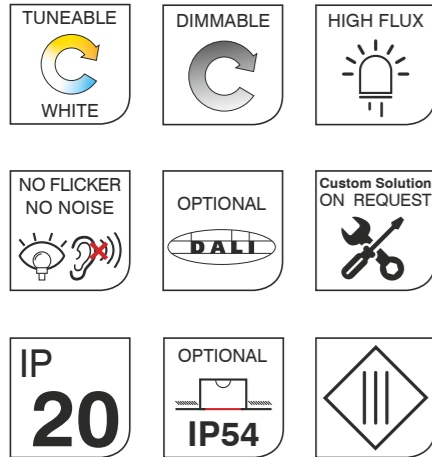
## SQUARE

### PRODUKTE / PRODUCTS

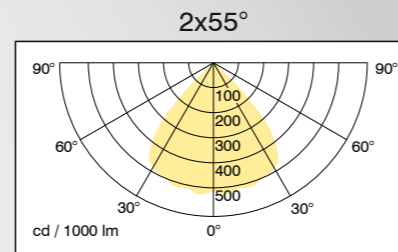
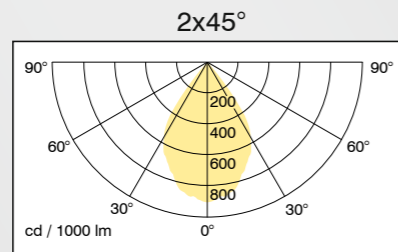
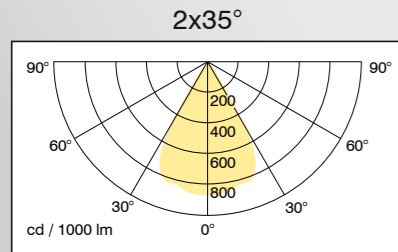
	Seite/Page		Seite/Page
	<b>Square 2x2 Einbau/Recessed</b> 16		<b>Square Line 65 Pendel/Pendant</b> 38
	Mono		Mono
	High Flux		Tuneable white
	Tuneable white		
	<b>Square 3x3 Einbau/Recessed</b> 20		<b>Square Line 65 Stromschiene/Track</b> 41
	Mono		Mono
	Tuneable white		Tuneable white
	<b>Square 4x4 Einbau/Recessed</b> 23		<b>Square Line 80 Anbau/Surface mounted</b> 44
	Mono		Mono
	Tuneable white		Tuneable white
	<b>Square 5x5 Einbau/Recessed</b> 26		<b>Square 25 2x10 Pendel/Pendant</b> 47
	Mono		Mono
	Tuneable white		Tuneable white
	<b>Square Line 35 Einbau/Recessed</b> 29		<b>Square 2x2 Anbau/Surface mounted</b> 50
	Mono		Mono
	Tuneable white		High Flux
			Tuneable white
	<b>Square Line 65 Anbau/Surface mounted</b> 32		<b>Square 2x2 Anbau, schwenkbar/Surface mounted, tilt</b> 54
	Mono		Mono
	Tuneable white		High Flux
			Tuneable white
	<b>Square Line 35 Pendel/Pendant</b> 35		<b>Cuboid Up&amp;Down</b> 58
	Mono		Mono
	Tuneable white		Tuneable white



# SQUARE 2x2 EINBAU/RECESSED

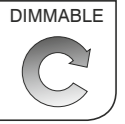


Lichtpunktabstand/Light point distance:	25mm, 50mm
Treiber/Driver:	Extern/External
Leistung/Wattage:	4W – 32W
Lichtstrom/Luminous Flux:	468 lm – 2744 lm
Lichtverteilung/Beam angle:	2x35°, 2x45°, 2x55°
Wirkungsgrad/Efficiency:	>85%
Farbtemperatur/Color Temperature:	2200K – 5700K
CRI:	>80, >90
Schutzklasse/Protection Class:	3
IP-Schutz/IP-Protection:	IP20, IP54 (optional)
Oberfläche Gehäuse/Casing Finish:	Pulverbeschichtet/Powder Coated
Sonderausführung/Custom versions:	Auf Anfrage/On request



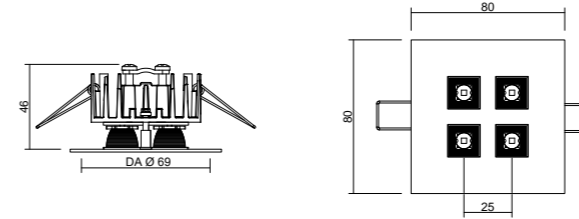
# SQUARE 2x2 EINBAU/RECESSED

## MONO



### SQUARE 2x2 EINBAU/RECESSED LP25

Lichtpunktabstand 25mm/Light point distance 25mm

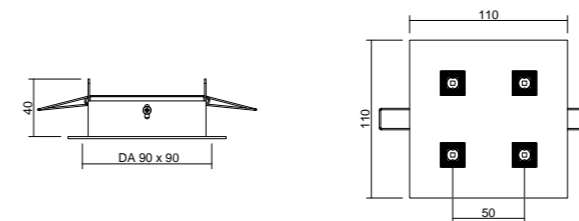


Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux		
	041 = 4x1W	045 = 4x1,5W	042 = 4x2W
1046	468 lm	640 lm	852 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

### SQUARE 2x2 EINBAU/RECESSED LP50

Lichtpunktabstand 50mm/Light point distance 50mm



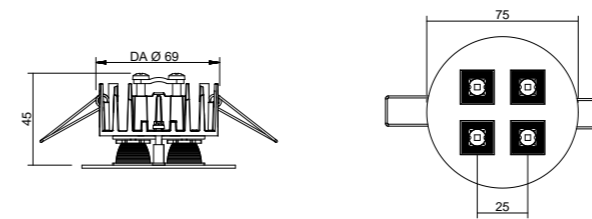
Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux		
	041 = 4x1W	045 = 4x1,5W	042 = 4x2W
1048	468 lm	640 lm	852 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

Lichtpunktabstand 25mm/Light point distance 25mm

### SQUARE RUND/ROUND 2x2 EINBAU/RECESSED LP25

Lichtpunktabstand 25mm/Light point distance 25mm

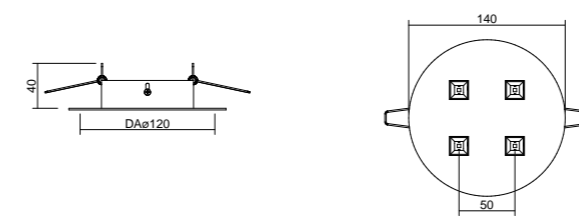


Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux		
	041 = 4x1W	045 = 4x1,5W	042 = 4x2W
1050	468 lm	640 lm	852 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

### SQUARE RUND/ROUND 2x2 EINBAU/RECESSED LP50

Lichtpunktabstand 50mm/Light point distance 50mm



Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux		
	041 = 4x1W	045 = 4x1,5W	042 = 4x2W
1054	468 lm	640 lm	852 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



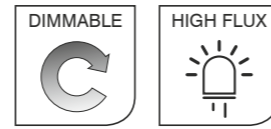
ARTIKELNUMMER / ARTICLE NUMBER:



Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI	Farbe Color Finish	Extras Accessories
1046	041 = 4x1W	X = Ohne/None	G = 2x35°	27 = 2700K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
1048	045 = 4x1,5W	Y = DALI	H = 2x45°	30 = 3000K	9 = 90	02 = RAL 9006 ●	A = Schutzscheibe/ Cover Glass
1050	042 = 4x2W	Z = On/Off	I = 2x55°	35 = 3500K		03 = RAL 9005 ●	
1054				40 = 4000K		04 = RAL 7016 ●	
				50 = 5000K*		05 = DB703 ●	
				57 = 5700K*			

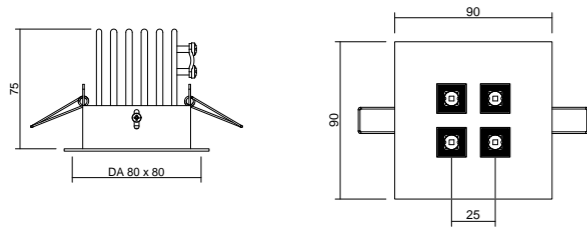
Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible  
\*5000K und 5700K nur CRI 80/ 5000K and 5700K only CRI 80

HIGH FLUX



SQUARE 2x2 EINBAU/RECESSED LP25

Lichtpunktabstand 25mm/Light point distance 25mm

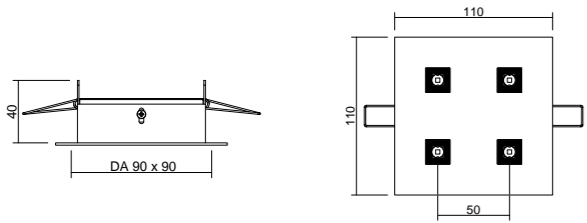


Produkt ID	Verbrauch + Lichtstrom/Wattage + Luminous Flux		
	044 = 4x4W	046 = 4x6W	048 = 4x8W
1047	1616 lm	2176 lm	2744 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

SQUARE 2x2 EINBAU/RECESSED LP50

Lichtpunktabstand 50mm/Light point distance 50mm

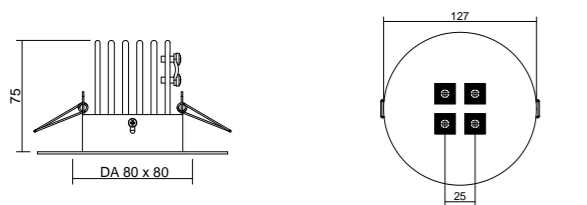


Produkt ID	Verbrauch + Lichtstrom/Wattage + Luminous Flux		
	044 = 4x4W	046 = 4x6W	048 = 4x8W
1049	1616 lm	2176 lm	2744 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

SQUARE RUND/ROUND 2x2 EINBAU/RECESSED LP25

Lichtpunktabstand 25mm/Light point distance 25mm

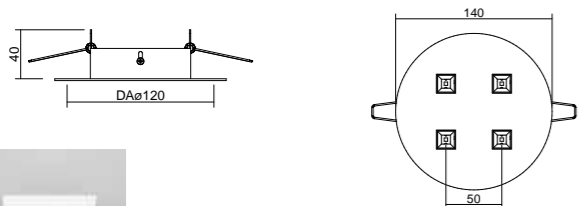


Produkt ID	Verbrauch + Lichtstrom/Wattage + Luminous Flux		
	044 = 4x4W	046 = 4x6W	048 = 4x8W
1051	1616 lm	2176 lm	2744 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

SQUARE RUND/ROUND 2x2 EINBAU/RECESSED LP50

Lichtpunktabstand 50mm/Light point distance 50mm



Produkt ID	Verbrauch + Lichtstrom/Wattage + Luminous Flux		
	044 = 4x4W	046 = 4x6W	048 = 4x8W
1055	1616 lm	2176 lm	2744 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

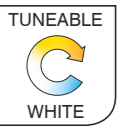
ARTIKELNUMMER / ARTICLE NUMBER:



Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI	Farbe Color Finish	Extras Accessories
1047	044 = 4x4W	X = Ohne/None	G = 2x35°	27 = 2700K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
1049	046 = 4x6W	Y = DALI	H = 2x45°	30 = 3000K	9 = 90	02 = RAL 9006 ●	A = Schutzscheibe/ Cover Glass
1051	048 = 4x8W	Z = On/Off	I = 2x55°	35 = 3500K		03 = RAL 9005 ●	
1055				40 = 4000K		04 = RAL 7016 ●	
				50 = 5000K		05 = DB703 ●	
				57 = 5700K			

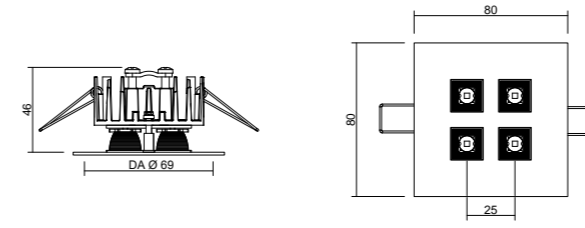
Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

TUNEABLE WHITE



SQUARE 2x2 EINBAU/RECESSED LP25

Lichtpunktabstand 25mm/Light point distance 25mm

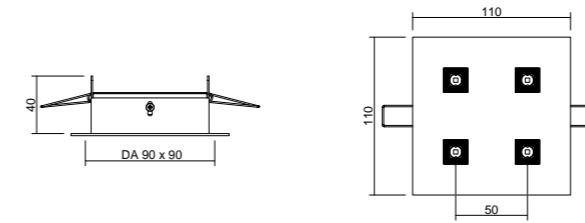


Produkt ID	Verbrauch + Lichtstrom/Wattage + Luminous Flux
	042 = 4x2W
1052	404 lm / 464 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

SQUARE 2x2 EINBAU/RECESSED LP50

Lichtpunktabstand 50mm/Light point distance 50mm

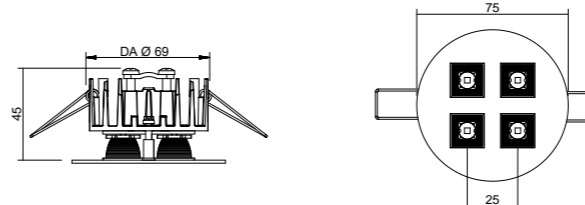


Produkt ID	Verbrauch + Lichtstrom/Wattage + Luminous Flux
	042 = 4x2W
1053	404 lm / 464 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

SQUARE RUND/ROUND 2x2 EINBAU/RECESSED LP25

Lichtpunktabstand 25mm/Light point distance 25mm

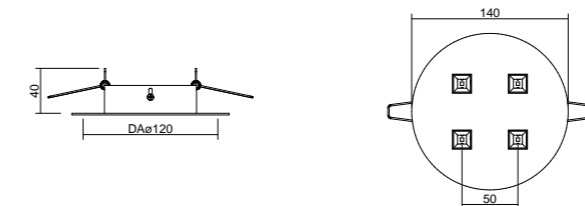


Produkt ID	Verbrauch + Lichtstrom/Wattage + Luminous Flux
	042 = 4x2W
1056	404 lm / 464 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

SQUARE RUND/ROUND 2x2 EINBAU/RECESSED LP50

Lichtpunktabstand 50mm/Light point distance 50mm



Produkt ID	Verbrauch + Lichtstrom/Wattage + Luminous Flux
	042 = 4x2W
1057	404 lm / 464 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

ARTIKELNUMMER / ARTICLE NUMBER:

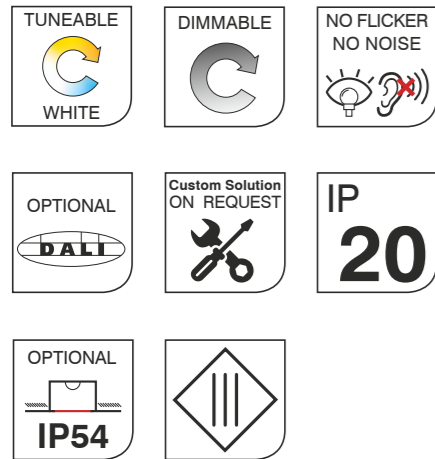


Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI	Farbe Color Finish	Extras Accessories
1052	041 = 4x1W	X = Ohne/None	G = 2x35°	T1 = 2200K - 4000K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
1053	045 = 4x1,5W	W = DALI DT8	H = 2x45°	T2 = 2200K - 4500K	9 = 90	02 = RAL 9006 ●	A = Schutzscheibe/ Cover Glass
1056	042 = 4x2W		I = 2x55°	T3 = 2200K - 5000K		03 = RAL 9005 ●	
1057				T4 = 2200K - 5700K*		04 = RAL 7016 ●	
				T5 = 2700K - 4000K		05 = DB703 ●	
				T6 = 2700K - 4500K			
				T7 = 2700K - 5000K			
				T8 = 2700K - 5700K*			

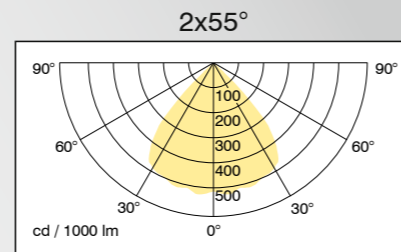
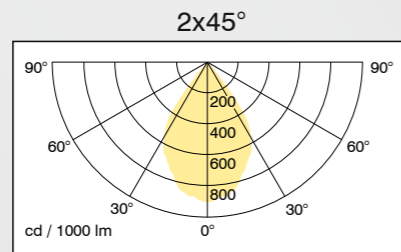
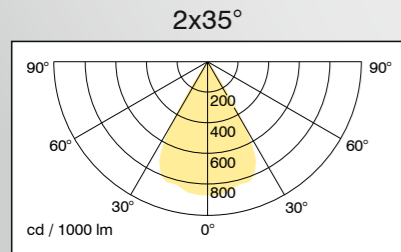
Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

\*5700K nur CRI 80/ 5700K only CRI 80

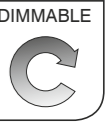
# SQUARE 3x3 EINBAU/RECESSED



Lichtpunktabstand/Light point distance:	25mm, 50mm
Treiber/Driver:	Extern/External
Leistung/Wattage:	9W – 18W
Lichtstrom/Luminous Flux:	1053 lm – 1917 lm
Lichtverteilung/Beam angle:	2x35°, 2x45°, 2x55°
Wirkungsgrad/Efficiency:	>85%
Farbtemperatur/Color Temperature:	2200K – 5700K
CRI:	>80, >90
Schutzklasse/Protection Class:	3
IP-Schutz/IP-Protection:	IP20, IP54 (optional)
Oberfläche Gehäuse/Casing Finish:	Pulverbeschichtet/Powder Coated
Sonderausführung/Custom versions:	Auf Anfrage/On request



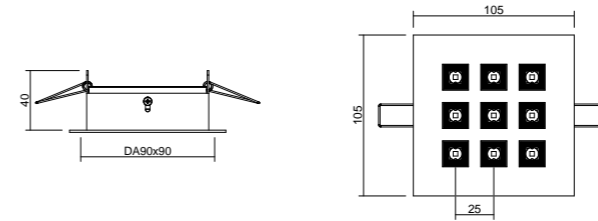
# SQUARE 3x3 EINBAU/RECESSED



## MONO

### SQUARE 3x3 EINBAU/RECESSED LP25

Lichtpunktabstand 25mm/Light point distance 25mm

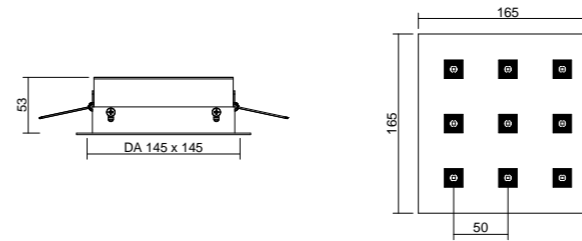


Produkt ID	Verbrauch + Lichtstrom/Wattage + Luminous Flux		
	091 = 9x1W	095 = 9x1,5W	092 = 9x2W
1064	1053	1440 lm	1917 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

### SQUARE 3x3 EINBAU/RECESSED LP50

Lichtpunktabstand 50mm/Light point distance 50mm

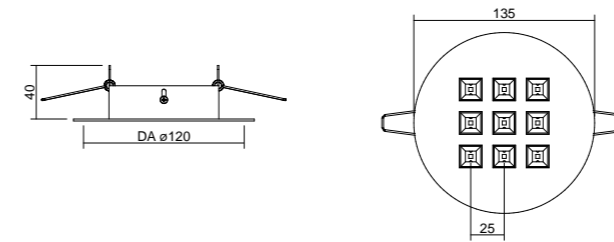


Produkt ID	Verbrauch + Lichtstrom/Wattage + Luminous Flux		
	091 = 9x1W	095 = 9x1,5W	092 = 9x2W
1065	1053	1440 lm	1917 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

### SQUARE RUND/ROUND 3x3 EINBAU/RECESSED LP25

Lichtpunktabstand 25mm/Light point distance 25mm

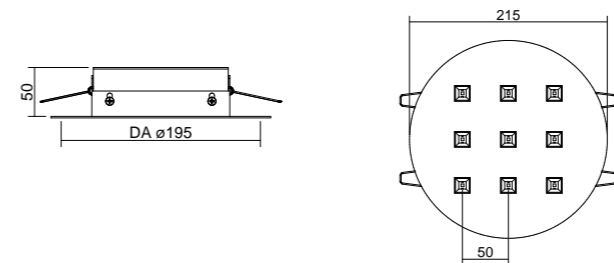


Produkt ID	Verbrauch + Lichtstrom/Wattage + Luminous Flux		
	091 = 9x1W	095 = 9x1,5W	092 = 9x2W
1066	1053	1440 lm	1917 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

### SQUARE RUND/ROUND 3x3 EINBAU/RECESSED LP50

Lichtpunktabstand 50mm/Light point distance 50mm



Produkt ID	Verbrauch + Lichtstrom/Wattage + Luminous Flux		
	091 = 9x1W	095 = 9x1,5W	092 = 9x2W
1067	1053	1440 lm	1917 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



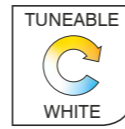
ARTIKELNUMMER / ARTICLE NUMBER:



Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI	Farbe Color Finish	Extras Accessories
1064	091 = 9x1W	X = Ohne/None	G = 2x35°	27 = 2700K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
1066	095 = 9x1,5W	Y = DALI	H = 2x45°	30 = 3000K	9 = 90	02 = RAL 9006 ●	A = Schutzscheibe/ Cover Glass
1066	092 = 9x2W	Z = On/Off	I = 2x55°	35 = 3500K		03 = RAL 9005 ●	
1067				40 = 4000K		04 = RAL 7016 ●	
				50 = 5000K*		05 = DB703 ●	
				57 = 5700K*			

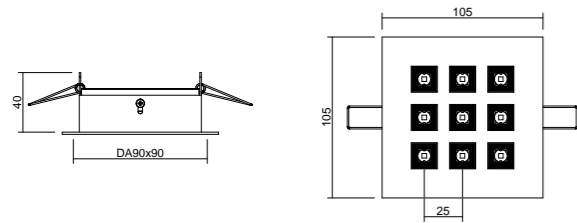
Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible  
\*5000K und 5700K nur CRI 80/ 5000K and 5700K only CRI 80

# TUNEABLE WHITE



## SQUARE 3x3 EINBAU/RECESSED LP25

Lichtpunktabstand 25mm/Light point distance 25mm

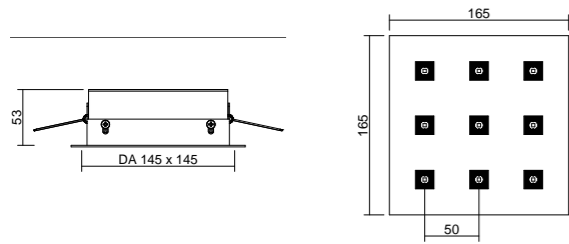


Produkt ID	Verbrauch + Lichtstrom/Wattage + Luminous Flux
1069	092 = 9x2W 909 lm / 1044 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

## SQUARE 3x3 EINBAU/RECESSED LP50

Lichtpunktabstand 50mm/Light point distance 50mm

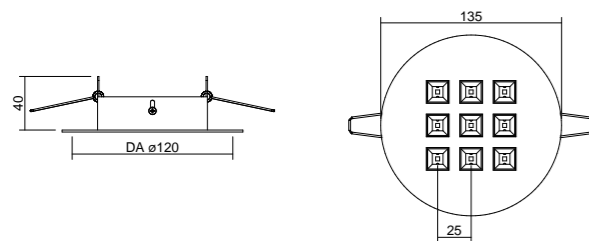


Produkt ID	Verbrauch + Lichtstrom/Wattage + Luminous Flux
1070	092 = 9x2W 909 lm / 1044 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

## SQUARE RUND/ROUND 3x3 EINBAU/RECESSED LP25

Lichtpunktabstand 25mm/Light point distance 25mm

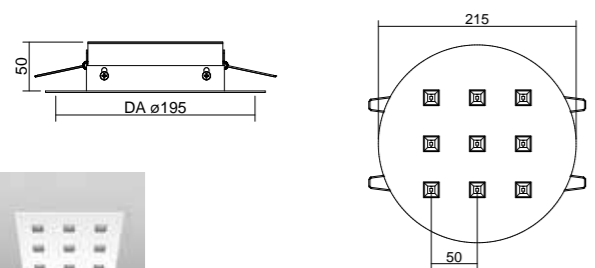


Produkt ID	Verbrauch + Lichtstrom/Wattage + Luminous Flux
1071	092 = 9x2W 909 lm / 1044 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

## SQUARE RUND/ROUND 3x3 EINBAU/RECESSED LP50

Lichtpunktabstand 50mm/Light point distance 50mm



Produkt ID	Verbrauch + Lichtstrom/Wattage + Luminous Flux
1072	092 = 9x2W 909 lm / 1044 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

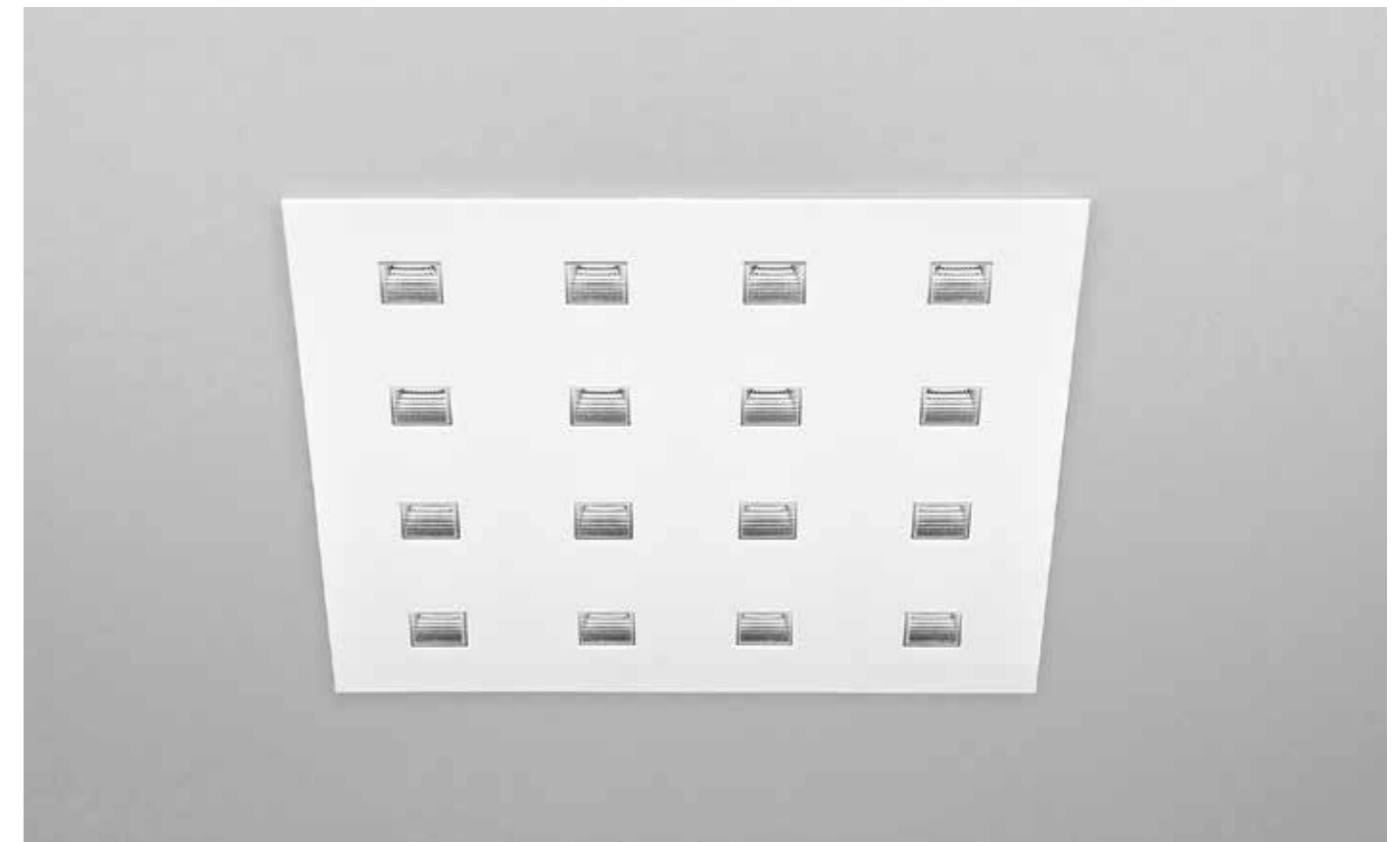
ARTIKELNUMMER / ARTICLE NUMBER:



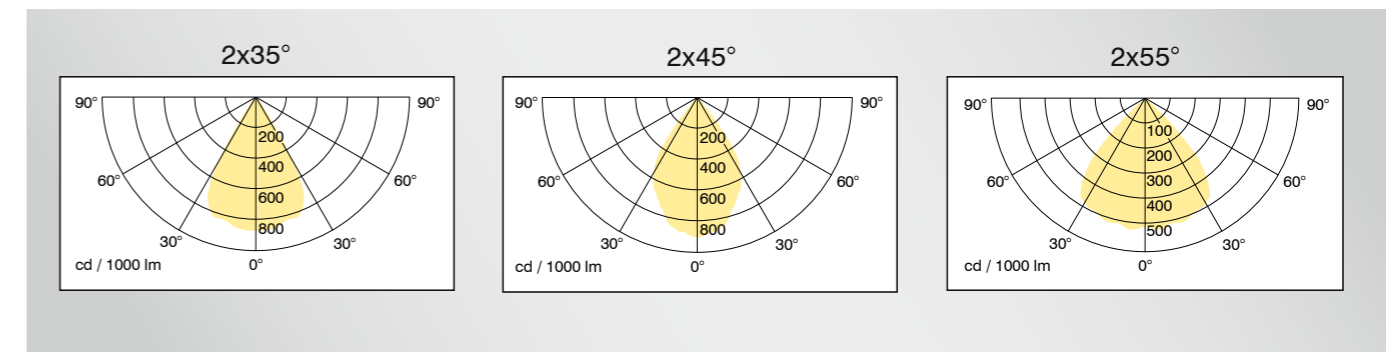
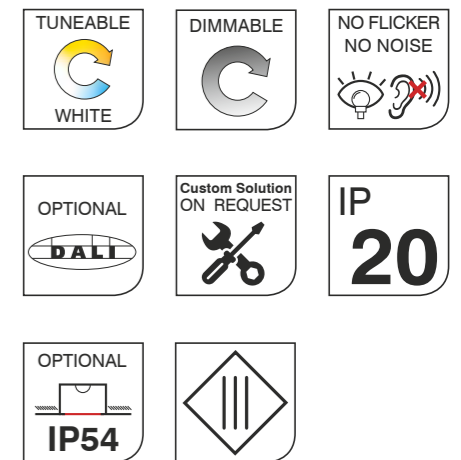
Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1069	092 = 9x2W	X = Ohne/None	G = 2x35°	T1 = 2200K - 4000K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
1070		W = DALI DT8	H = 2x45°	T2 = 2200K - 4500K	9 = 90	02 = RAL 9006 ●	A = Schutzscheibe/ Cover Glass
1071			I = 2x55°	T3 = 2200K - 5000K		03 = RAL 9005 ●	
1072				T4 = 2200K - 5700K*		04 = RAL 7016 ●	
				T5 = 2700K - 4000K		05 = DB703 ●	
				T6 = 2700K - 4500K			
				T7 = 2700K - 5000K			
				T8 = 2700K - 5700K*			

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

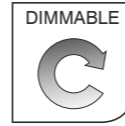
\*5700K nur CRI 80/ 5700K only CRI 80



Lichtpunktabstand/Light point distance:	25mm, 50mm
Treiber/Driver:	Extern/External
Leistung/Wattage:	16W – 32W
Lichtstrom/Luminous Flux:	1872 lm – 3408 lm
Lichtverteilung/Beam angle:	2x35°, 2x45°, 2x55°
Wirkungsgrad/Efficiency:	> 85%
Farbtemperatur/Color Temperature:	2200K – 5700K
CRI:	>80, >90
Schutzklasse/Protection Class:	3
IP-Schutz/IP-Protection:	IP20, IP54 (optional)
Oberfläche Gehäuse/Casing Finish:	Pulverbeschichtet/Powder Coated
Sonderausführung/Custom versions:	Auf Anfrage/On request

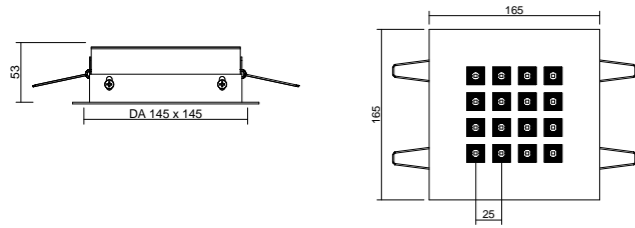


MONO



SQUARE 4x4 EINBAU/RECESSED LP25

Lichtpunktabstand 25mm/Light point distance 25mm

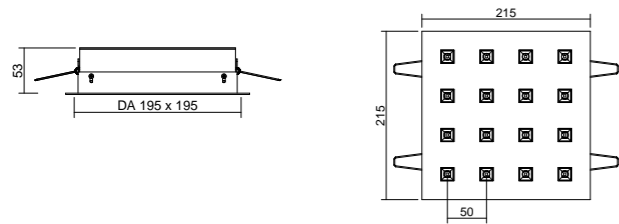


Produkt ID	Verbrauch + Lichtstrom/Wattage + Luminous Flux		
	161 = 16x1W	165 = 16x1,5W	162 = 16x2W
1073	1872 lm	2560 lm	3408 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

SQUARE 4x4 EINBAU/RECESSED LP50

Lichtpunktabstand 50mm/Light point distance 50mm



Produkt ID	Verbrauch + Lichtstrom/Wattage + Luminous Flux		
	161 = 16x1W	165 = 16x1,5W	162 = 16x2W
1074	1872 lm	2560 lm	3408 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



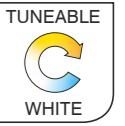
ARTIKELNUMMER / ARTICLE NUMBER:



Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1073	161 = 16x1W	X = Ohne/None	G = 2x35°	27 = 2700K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
1074	165 = 16x1,5W	Y = DALI	H = 2x45°	30 = 3000K	9 = 90	02 = RAL 9006 ●	A = Schutzscheibe/ Cover Glass
	162 = 16x2W	Z = On/Off	I = 2x55°	35 = 3500K		03 = RAL 9005 ●	
				40 = 4000K		04 = RAL 7016 ●	
				50 = 5000K		05 = DB703 ●	
				57 = 5700K			

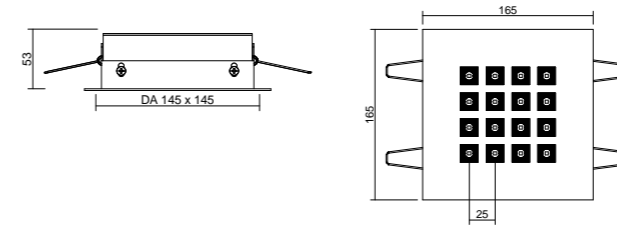
Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

TUNEABLE WHITE



SQUARE 4x4 EINBAU/RECESSED LP25

Lichtpunktabstand 25mm/Light point distance 25mm

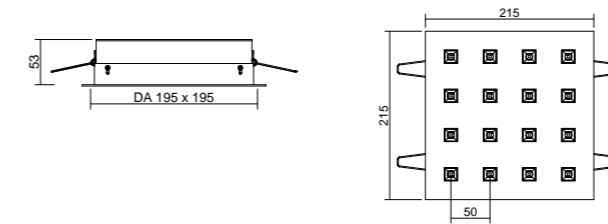


Produkt ID	Verbrauch + Lichtstrom/Wattage + Luminous Flux
	162 = 16x2W
1077	1616 lm / 1856 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

SQUARE 4x4 EINBAU/RECESSED LP50

Lichtpunktabstand 50mm/Light point distance 50mm



Produkt ID	Verbrauch + Lichtstrom/Wattage + Luminous Flux
	162 = 16x2W
1078	1616 lm / 1856 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



ARTIKELNUMMER / ARTICLE NUMBER:

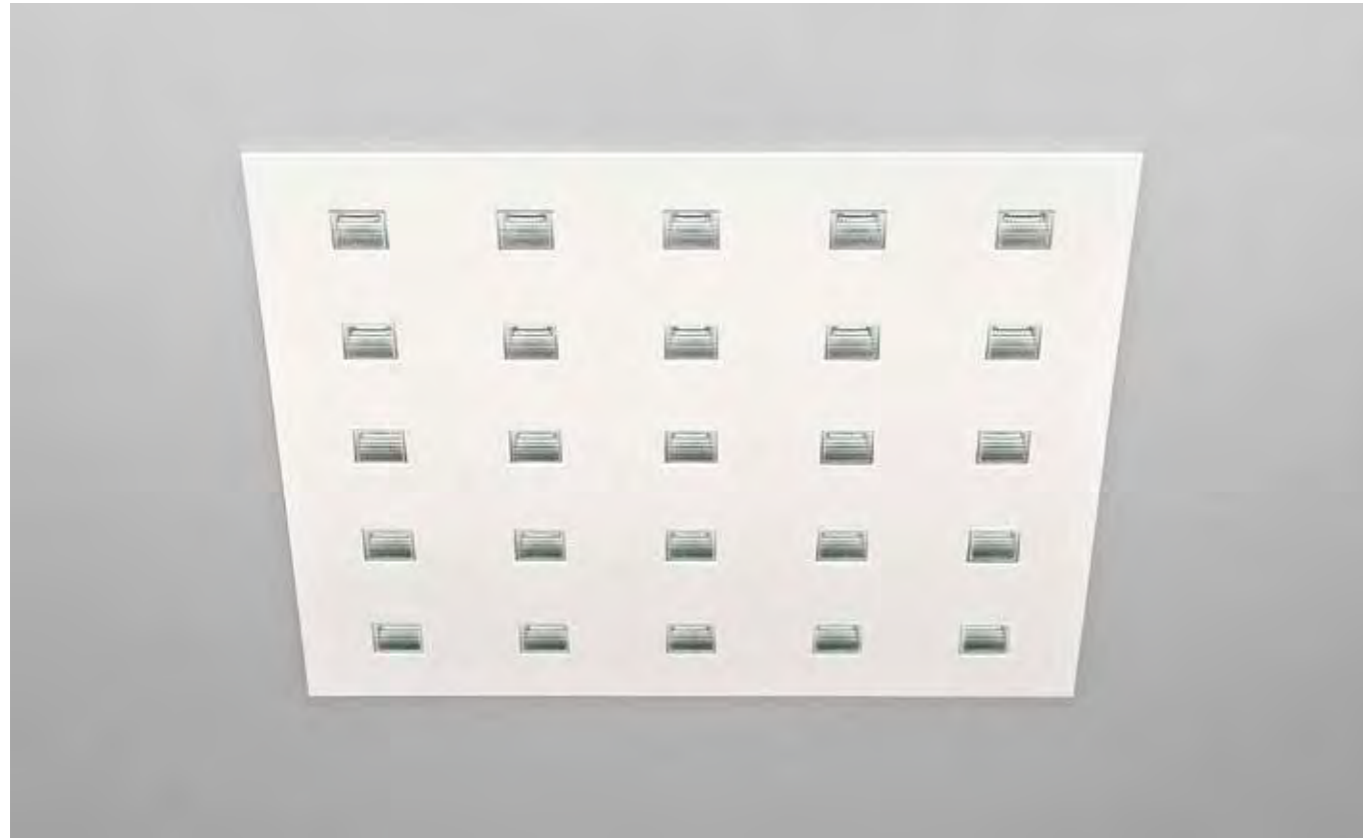


Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1077	162 = 16x2W	X = Ohne/None	G = 2x35°	T1 = 2200K - 4000K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
1078		W = DALI DT8	H = 2x45°	T2 = 2200K - 4500K	9 = 90	02 = RAL 9006 ●	A = Schutzscheibe/ Cover Glass
			I = 2x55°	T3 = 2200K - 5000K		03 = RAL 9005 ●	
				T4 = 2200K - 5700K*		04 = RAL 7016 ●	
				T5 = 2700K - 4000K		05 = DB703 ●	
				T6 = 2700K - 4500K			
				T7 = 2700K - 5000K			
				T8 = 2700K - 5700K*			

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

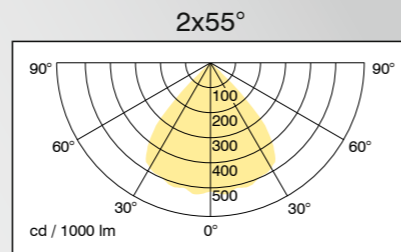
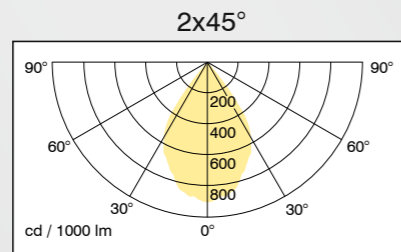
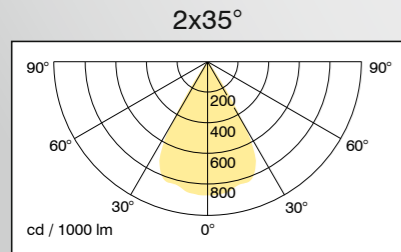
\*5700K nur CRI 80/ 5700K only CRI 80

# SQUARE 5x5 EINBAU/RECESSED



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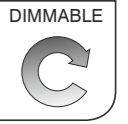
Lichtpunktabstand/Light point distance:	50mm
Treiber/Driver:	Extern/External
Leistung/Wattage:	25W – 50W
Lichtstrom/Luminous Flux:	2925 lm – 5325 lm
Lichtverteilung/Beam angle:	2x35°, 2x45°, 2x55°
Wirkungsgrad/Efficiency:	>85%
Farbtemperatur/Color Temperature:	2200K – 5700K
CRI:	>80, >90
Schutzklasse/Protection Class:	3
IP-Schutz/IP-Protection:	IP20, IP54 (optional)
Oberfläche Gehäuse/Casing Finish:	Pulverbeschichtet/Powder Coated
Sonderausführung/Custom versions:	Auf Anfrage/On request



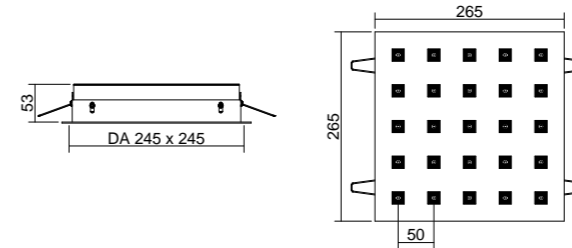
# SQUARE 5x5 EINBAU/RECESSED

## MONO

### SQUARE 5x5 EINBAU/RECESSED LP50



Lichtpunktabstand 50mm/Light point distance 50mm



Produkt ID	Verbrauch + Lichtstrom/Wattage + Luminous Flux		
	251 = 25x1W	255 = 25x1.5W	252 = 25x2W
1084	2925 lm	4000 lm	5325 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

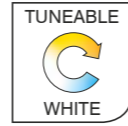


ARTIKELNUMMER / ARTICLE NUMBER:

Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1084	251 = 25x1W	X = Ohne/None	G = 2x35°	27 = 2700K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
	255 = 25x1.5W	Y = DALI	H = 2x45°	30 = 3000K	9 = 90	02 = RAL 9006 ●	A = Schutzscheibe/ Cover Glass
	252 = 25x2W	Z = On/Off	I = 2x55°	35 = 3500K		03 = RAL 9005 ●	
				40 = 4000K		04 = RAL 7016 ●	
				50 = 5000K		05 = DB703 ●	
				57 = 5700K			

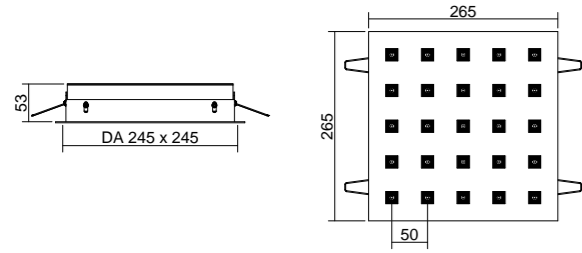
Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

# TUNEABLE WHITE



SQUARE 5x5 EINBAU/RECESSED LP50

Lichtpunktabstand 50mm/Light point distance 50mm



Produkt ID	Verbrauch + Lichtstrom/Wattage + Luminous Flux
1089	252 = 25x2W 2525 lm / 2900 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



ARTIKELNUMMER / ARTICLE NUMBER:

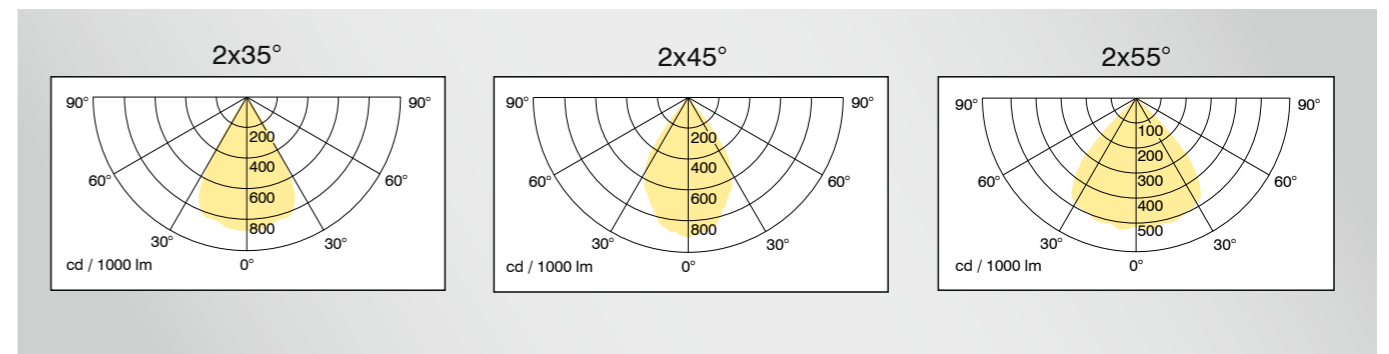


Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1089	252 = 25x2W	X = Ohne/None	G = 2x35°	T1 = 2200K - 4000K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
		W = DALI DT8	H = 2x45°	T2 = 2200K - 4500K	9 = 90	02 = RAL 9006 ●	A = Schutzscheibe/ Cover Glass
			I = 2x55°	T3 = 2200K - 5000K		03 = RAL 9005 ●	
				T4 = 2200K - 5700K*		04 = RAL 7016 ●	
				T5 = 2700K - 4000K		05 = DB703 ●	
				T6 = 2700K - 4500K			
				T7 = 2700K - 5000K			
				T8 = 2700K - 5700K*			

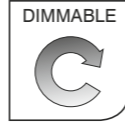
Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible \*5700K nur CRI 80/ 5700K only CRI 80



Lichtpunktabstand/Light point distance:	25mm, 50mm, 100mm
Treiber/Driver:	Extern/External
Leistung/Wattage:	5W - 120W
Lichtstrom/Luminous Flux:	585 lm - 12780 lm
Lichtverteilung/Beam angle:	2x35°, 2x45°, 2x55°
Wirkungsgrad/Efficiency:	>85%
Farbtemperatur/Color Temperature:	2200K - 5700K
CRI:	>80, >90
Schutzklasse/Protection Class:	3
IP-Schutz/IP-Protection:	IP20, IP54 (optional)
Oberfläche Gehäuse/Casing Finish:	Pulverbeschichtet/Powder Coated
Sonderausführung/Custom versions:	Auf Anfrage/On request

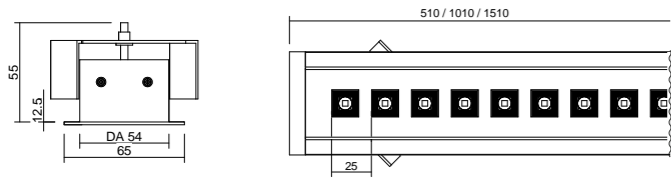


MONO



SQUARE LINE 35 EINBAU/RECESSED LP25 (40 LEDS/m)

Lichtpunktabstand 25mm/Light point distance 25mm

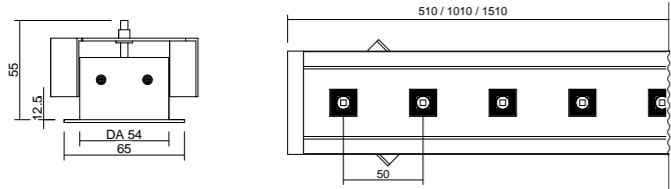


Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux		
	001 = 1W / LED	015 = 1,5W / LED	002 = 2W / LED
1099 = 510mm	20W / 2340 lm	30W / 3200 lm	40W / 4260 lm
1100 = 1010mm	40W / 4680 lm	60W / 6400 lm	80W / 8520 lm
1101 = 1510mm	60W / 7020 lm	90W / 9600 lm	120W / 12780 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

SQUARE LINE 35 EINBAU/RECESSED LP50 (20 LEDS/m)

Lichtpunktabstand 50mm/Light point distance 50mm

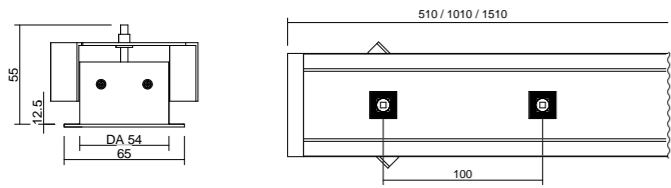


Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux		
	001 = 1W / LED	015 = 1,5W / LED	002 = 2W / LED
1102 = 510mm	10W / 1170 lm	15W / 1600 lm	20W / 2130 lm
1103 = 1010mm	20W / 2340 lm	30W / 3200 lm	40W / 4260 lm
1104 = 1510mm	30W / 3510 lm	45W / 4800 lm	60W / 6390 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

SQUARE LINE 35 EINBAU/RECESSED LP100 (10 LEDS/m)

Lichtpunktabstand 100mm/Light point distance 100mm



Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux		
	001 = 1W / LED	015 = 1,5W / LED	002 = 2W / LED
1105 = 510mm	5W / 585 lm	8W / 800 lm	10W / 1065 lm
1106 = 1010mm	10W / 1170 lm	15W / 1600 lm	20W / 2130 lm
1107 = 1510mm	15W / 1755 lm	23W / 2400 lm	30W / 3195 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



ARTIKELNUMMER / ARTICLE NUMBER:

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Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1099	001 = 1W	X = Ohne/None	G = 2x35°	27 = 2700K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
1100	015 = 1,5W	Y = DALI	H = 2x45°	30 = 3000K	9 = 90	02 = RAL 9006 ●	A = Schutzscheibe/ Cover Glass
1101	002 = 2W	Z = On/Off	I = 2x55°	35 = 3500K		03 = RAL 9005 ●	
1102				40 = 4000K		04 = RAL 7016 ●	
1103				50 = 5000K*		05 = DB703 ●	
1104				57 = 5700K*			
1105							
1106							
1107							

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

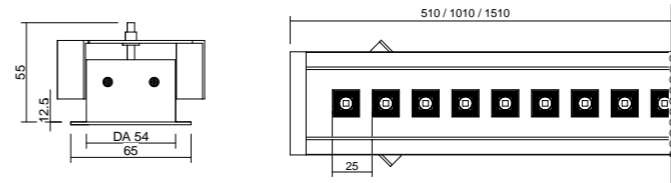
\*5000K und 5700K nur CRI 80/ 5000K and 5700K only CRI 80

TUNEABLE WHITE



SQUARE LINE 35 EINBAU/RECESSED LP25 (40 LEDS/m)

Lichtpunktabstand 25mm/Light point distance 25mm

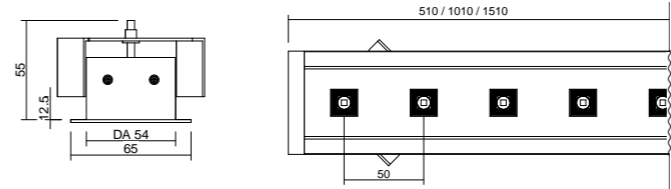


Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux	
	002 = max. 2W per Lichtpunkt / Light point	
1108 = 510mm	40W / (2020 lm / 2320 lm)	
1109 = 1010mm	80W / (4040 lm / 4640 lm)	
1110 = 1510mm	120W / (6060 lm / 6960 lm)	

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

SQUARE LINE 35 EINBAU/RECESSED LP50 (20 LEDS/m)

Lichtpunktabstand 50mm/Light point distance 50mm

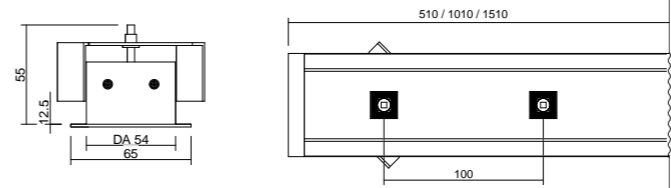


Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux	
	002 = max. 2W per Lichtpunkt / Light point	
1111 = 510mm	20W / (1010 lm / 1160 lm)	
1112 = 1010mm	40W / (2020 lm / 2320 lm)	
1113 = 1510mm	60W / (3030 lm / 3480 lm)	

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

SQUARE LINE 35 EINBAU/RECESSED LP100 (10 LEDS/m)

Lichtpunktabstand 100mm/Light point distance 100mm



Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux	
	002 = max. 2W per Lichtpunkt / Light point	
1114 = 510mm	10W / (505 lm / 580 lm)	
1115 = 1010mm	20W / (1010 lm / 1160 lm)	
1116 = 1510mm	30W / (1515 lm / 1740 lm)	

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



ARTIKELNUMMER / ARTICLE NUMBER:

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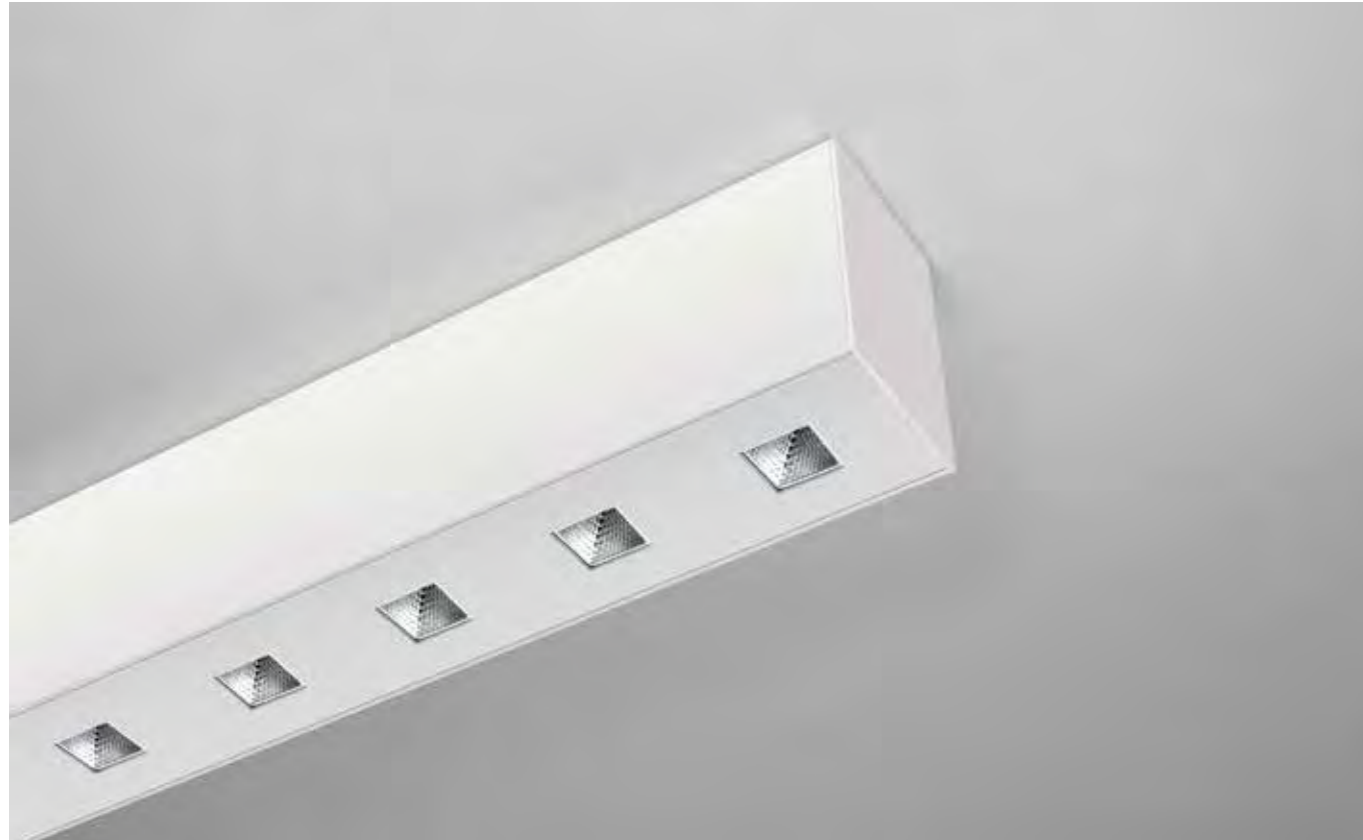
Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1108	002 = 2W	X = Ohne/None	G = 2x35°	T1 = 2200K - 4000K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
1109		W = DALI DT8	H = 2x45°	T2 = 2200K - 4500K	9 = 90	02 = RAL 9006 ●	A = Schutzscheibe/ Cover Glass
1110		Z = On/Off	I = 2x55°	T3 = 2200K - 5000K		03 = RAL 9005 ●	
1111				T4 = 2200K - 5700K*		04 = RAL 7016 ●	
1112				T5 = 2700K - 4000K		05 = DB703 ●	
1113				T6 = 2700K - 4500K			
1114				T7 = 2700K - 5000K			
1115				T8 = 2700K - 5700K*			
1116							

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

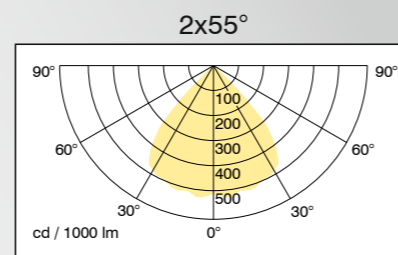
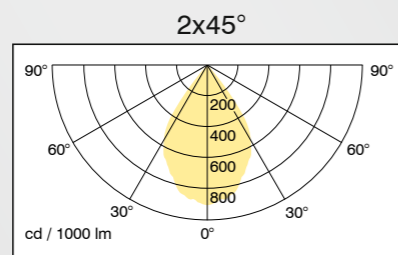
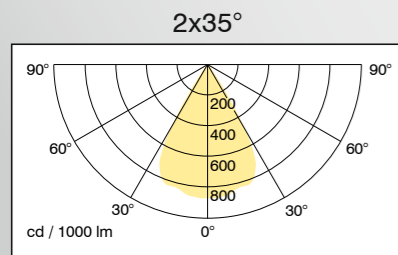
\*5700K nur CRI 80/ 5700K only CRI 80



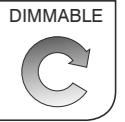
# SQUARE LINE 65 ANBAU/SURFACE MOUNTED



Lichtpunktabstand/Light point distance:	25mm, 50mm, 100mm
Treiber/Driver:	Integriert/Integrated
Leistung/Wattage:	5W – 120W
Lichtstrom/Luminous Flux:	585 lm – 12780 lm
Lichtverteilung/Beam angle:	2x35°, 2x45°, 2x55°
Wirkungsgrad/Efficiency:	>85%
Farbtemperatur/Color Temperature:	2200K – 5700K
CRI:	>80, >90
Schutzklasse/Protection Class:	1
IP-Schutz/IP-Protection:	IP20, IP54 (optional)
Oberfläche Gehäuse/Casing Finish:	Pulverbeschichtet/Powder Coated
Sonderausführung/Custom versions:	Auf Anfrage/On request



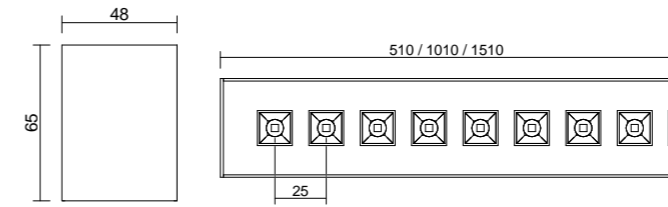
# SQUARE LINE 65 ANBAU/SURFACE MOUNTED



## MONO

### SQUARE LINE 65 ANBAU/SURFACE MOUNTED LP25

Lichtpunktabstand 25mm/Light point distance 25mm

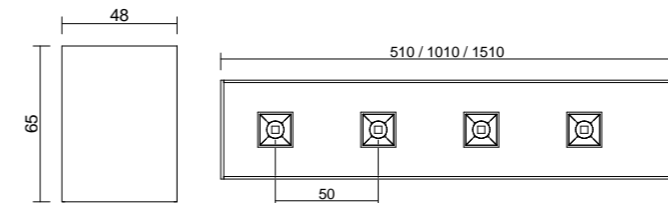


Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux		
	001 = 1W / LED	015 = 1,5W/ LED	002 = 2W / LED
1224 = 510mm	20W / 2340 lm	30W / 3200 lm	40W / 4260 lm
1225 = 1010mm	40W / 4680 lm	60W / 6400 lm	80W / 8520 lm
1226 = 1510mm	60W / 7020 lm	90W / 9600 lm	120W / 12780 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

### SQUARE LINE 65 ANBAU/SURFACE MOUNTED LP50

Lichtpunktabstand 50mm/Light point distance 50mm

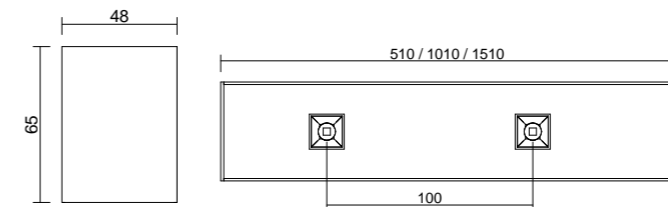


Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux		
	001 = 1W / LED	015 = 1,5W/ LED	002 = 2W / LED
1227 = 510mm	10W / 1170 lm	15W / 1600 lm	20W / 2130 lm
1228 = 1010mm	20W / 2340 lm	30W / 3200 lm	40W / 4260 lm
1229 = 1510mm	30W / 3510 lm	45W / 4800 lm	60W / 6390 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

### SQUARE LINE 65 ANBAU/SURFACE MOUNTED LP100

Lichtpunktabstand 100mm/Light point distance 100mm



Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux		
	001 = 1W / LED	015 = 1,5W/ LED	002 = 2W / LED
1230 = 510mm	5W / 585 lm	8W / 800 lm	10W / 1065 lm
1231 = 1010mm	10W / 1170 lm	15W / 1600 lm	20W / 2130 lm
1232 = 1510mm	15W / 1755 lm	23W / 2400 lm	30W / 3195 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



ARTIKELNUMMER / ARTICLE NUMBER:

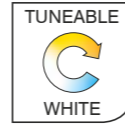


Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI	Farbe Color Finish	Extras Accessories
1224	001 = 1W	X = Ohne/None	G = 2x35°	27 = 2700K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
1225	015 = 1,5W	Y = DALI	H = 2x45°	30 = 3000K	9 = 90	02 = RAL 9006 ●	A = Schutzscheibe/ Cover Glass
1226	002 = 2W	Z = On/Off	I = 2x55°	35 = 3500K		03 = RAL 9005 ●	
1227				40 = 4000K		04 = RAL 7016 ●	
1228				50 = 5000K*		05 = DB703 ●	
1229				57 = 5700K*			
1230							
1231							
1232							

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

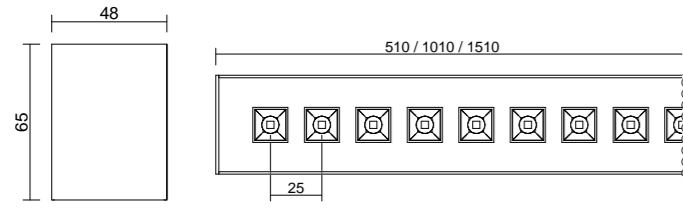
\*5000K und 5700K nur CRI 80/ 5000K and 5700K only CRI 80

# TUNEABLE WHITE



## SQUARE LINE 65 ANBAU/SURFACE MOUNTED LP25

Lichtpunktabstand 25mm/Light point distance 25mm

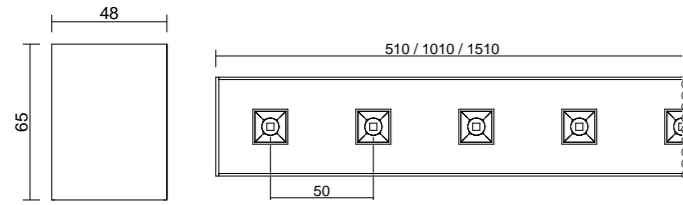


Produkt ID: Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux
<b>1233 = 510mm</b>	<b>002 = max. 2W per Lichtpunkt / Light point</b> 40W / (2020 lm / 2320 lm)
<b>1234 = 1010mm</b>	80W / (4040 lm / 4640 lm)
<b>1235 = 1510mm</b>	120W / (6060 lm / 6960 lm)

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

## SQUARE LINE 65 ANBAU/SURFACE MOUNTED LP50

Lichtpunktabstand 50mm/Light point distance 50mm

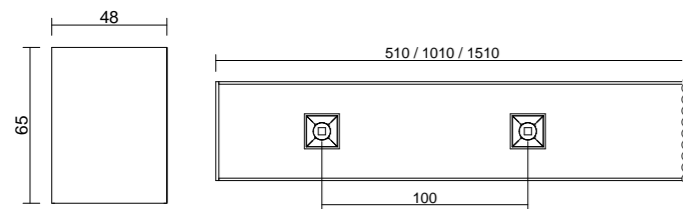


Produkt ID: Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux
<b>1236 = 510mm</b>	<b>002 = max. 2W per Lichtpunkt / Light point</b> 20W / (1010 lm / 1160 lm)
<b>1237 = 1010mm</b>	40W / (2020 lm / 2320 lm)
<b>1238 = 1510mm</b>	60W / (3030 lm / 3480 lm)

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

## SQUARE LINE 65 ANBAU/SURFACE MOUNTED LP100

Lichtpunktabstand 100mm/Light point distance 100mm



Produkt ID: Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux
<b>1239 = 510mm</b>	<b>002 = max. 2W per Lichtpunkt / Light point</b> 10W / (505 lm / 580 lm)
<b>1240 = 1010mm</b>	20W / (1010 lm / 1160 lm)
<b>1241 = 1510mm</b>	30W / (1515 lm / 1740 lm)

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



ARTIKELNUMMER / ARTICLE NUMBER:



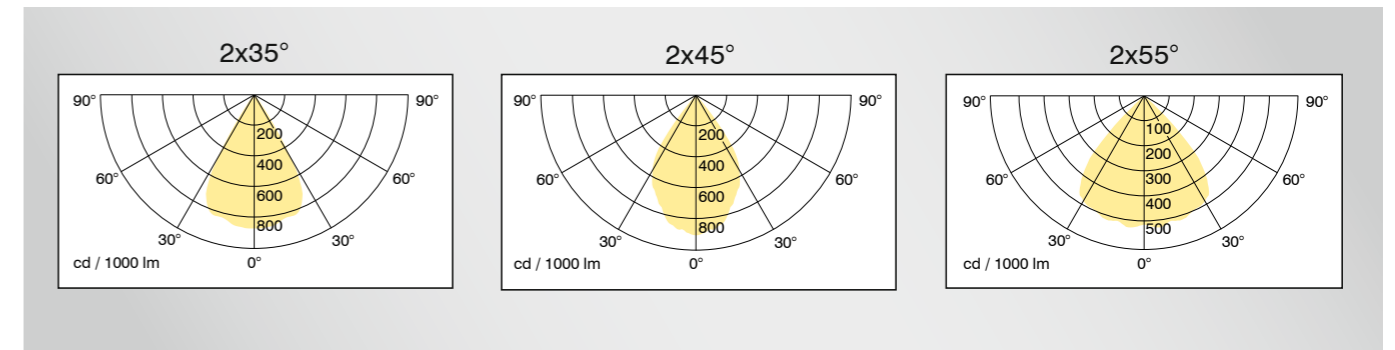
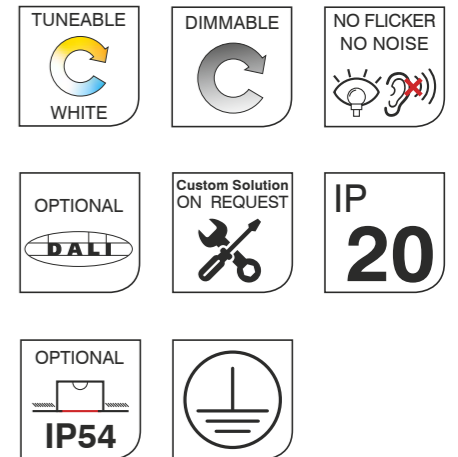
Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1233	002 = 2W	X = Ohne/None	G = 2x35°	T1 = 2200K - 4000K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
1234		W = DALI DT8	H = 2x45°	T2 = 2200K - 4500K	9 = 90	02 = RAL 9006 ●	A = Schutzscheibe/ Cover Glass
1235			I = 2x55°	T3 = 2200K - 5000K		03 = RAL 9005 ●	
1236				T4 = 2200K - 5700K*		04 = RAL 7016 ●	
1237				T5 = 2700K - 4000K		05 = DB703 ●	
1238				T6 = 2700K - 4500K			
1239				T7 = 2700K - 5000K			
1240				T8 = 2700K - 5700K*			
1241							

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

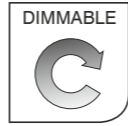
\*5700K nur CRI 80/ 5700K only CRI 80



Lichtpunktabstand/Light point distance:	25mm, 50mm, 100mm
Treiber/Driver:	Extern/External
Leistung/Wattage:	5W – 120W
Lichtstrom/Luminous Flux:	585 lm – 12780 lm
Lichtverteilung/Beam angle:	2x35°, 2x45°, 2x55°
Wirkungsgrad/Efficiency:	>85%
Farbtemperatur/Color Temperature:	2200K – 5700K
CRI:	>80, >90
Schutzklasse/Protection Class:	3
IP-Schutz/IP-Protection:	IP20, IP54 (optional)
Oberfläche Gehäuse/Casing Finish:	Pulverbeschichtet/Powder Coated
Sonderausführung/Custom versions:	Auf Anfrage/On request

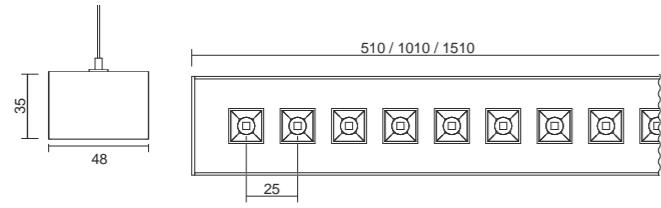


MONO



SQUARE LINE 35 PENDEL/PENDANT LP25 (40LEDS/m)

Lichtpunktabstand 25mm/Light point distance 25mm

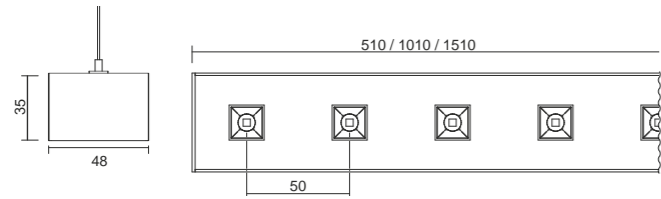


Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminious Flux		
	001 = 1W / LED	015 = 1,5W / LED	002 = 2W / LED
1278 = 510mm	20W / 2340 lm	30W / 3200 lm	40W / 4260 lm
1279 = 1010mm	40W / 4680 lm	60W / 6400 lm	80W / 8520 lm
1280 = 1510mm	60W / 7020 lm	90W / 9600 lm	120W / 12780 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

SQUARE LINE 35 PENDEL/PENDANT LP50 (20LEDS/m)

Lichtpunktabstand 50mm/Light point distance 50mm

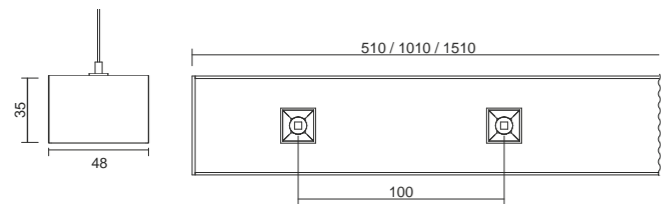


Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminious Flux		
	001 = 1W / LED	015 = 1,5W / LED	002 = 2W / LED
1281 = 510mm	10W / 1170 lm	15W / 1600 lm	20W / 2130 lm
1282 = 1010mm	20W / 2340 lm	30W / 3200 lm	40W / 4260 lm
1283 = 1510mm	30W / 3510 lm	45W / 4800 lm	60W / 6390 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

SQUARE LINE 35 PENDEL/PENDANT LP100 (10LEDS/m)

Lichtpunktabstand 100mm/Light point distance 100mm



Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminious Flux		
	001 = 1W / LED	015 = 1,5W / LED	002 = 2W / LED
1284 = 510mm	5W / 585 lm	8W / 800 lm	10W / 1065 lm
1285 = 1010mm	10W / 1170 lm	15W / 1600 lm	20W / 2130 lm
1286 = 1510mm	15W / 1755 lm	23W / 2400 lm	30W / 3195 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



ARTIKELNUMMER / ARTICLE NUMBER:

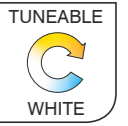
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Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1278	001 = 1W	X = Ohne/None	G = 2x35°	27 = 2700K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
1279	015 = 1,5W	Y = DALI	H = 2x45°	30 = 3000K	9 = 90	02 = RAL 9006 ●	A = Schutzscheibe/ Cover Glass
1280	002 = 2W	Z = On/Off	I = 2x55°	35 = 3500K		03 = RAL 9005 ●	
1281				40 = 4000K		04 = RAL 7016 ●	
1282				50 = 5000K*		05 = DB703 ●	
1283				57 = 5700K*			
1284							
1285							
1286							

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

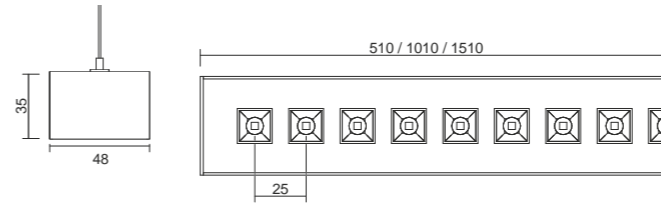
\*5000K und 5700K nur CRI 80/ 5000K and 5700K only CRI 80

TUNEABLE WHITE



SQUARE LINE 35 PENDEL/PENDANT LP25 (40LEDS/m)

Lichtpunktabstand 25mm/Light point distance 25mm

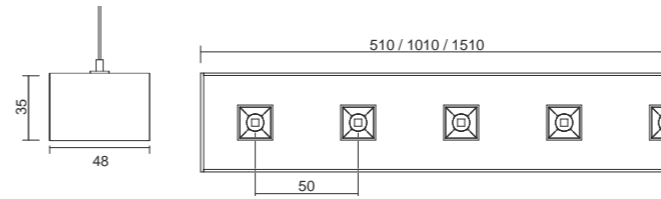


Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminious Flux
	002 = max. 2W per Lichtpunkt / Light point
1287 = 510mm	40W / (2020 lm / 2320 lm)
1288 = 1010mm	80W / (4040 lm / 4640 lm)
1289 = 1510mm	120W / (6060 lm / 6960 lm)

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

SQUARE LINE 35 PENDEL/PENDANT LP50 (20LEDS/m)

Lichtpunktabstand 50mm/Light point distance 50mm

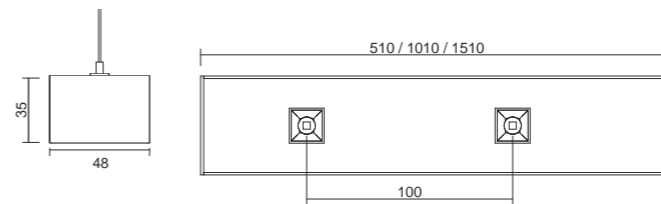


Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminious Flux
	002 = max. 2W per Lichtpunkt / Light point
1290 = 510mm	20W / (1010 lm / 1160 lm)
1291 = 1010mm	40W / (2020 lm / 2320 lm)
1292 = 1510mm	60W / (3030 lm / 3480 lm)

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

SQUARE LINE 35 PENDEL/PENDANT LP100 (10LEDS/m)

Lichtpunktabstand 100mm/Light point distance 100mm



Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminious Flux
	002 = max. 2W per Lichtpunkt / Light point
1292 = 510mm	10W / (505 lm / 580 lm)
1294 = 1010mm	20W / (1010 lm / 1160 lm)
1295 = 1510mm	30W / (1515 lm / 1740 lm)

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



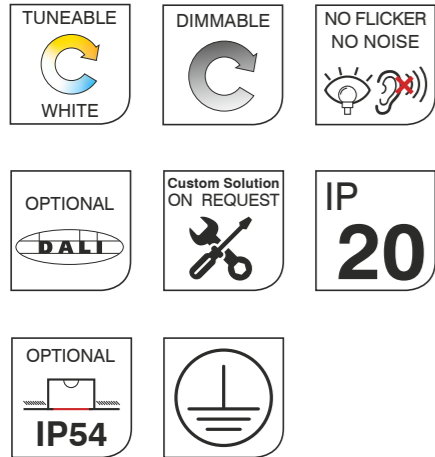
ARTIKELNUMMER / ARTICLE NUMBER:

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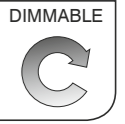
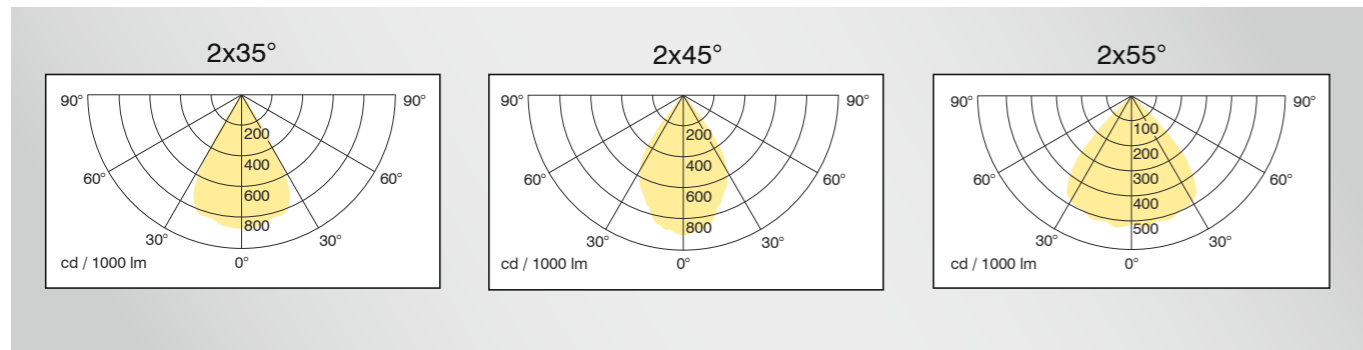
Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1287	002 = 2W	X = Ohne/None	G = 2x35°	T1 = 2200K - 4000K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
1288		W = DALI DT8	H = 2x45°	T2 = 2200K - 4500K	9 = 90	02 = RAL 9006 ●	A = Schutzscheibe/ Cover Glass
1289			I = 2x55°	T3 = 2200K - 5000K		03 = RAL 9005 ●	
1290				T4 = 2200K - 5700K*		04 = RAL 7016 ●	
1291				T5 = 2700K - 4000K		05 = DB703 ●	
1292				T6 = 2700K - 4500K			
1293				T7 = 2700K - 5000K			
1294				T8 = 2700K - 5700K*			
1295							

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

\*5700K nur CRI 80/ 5700K only CRI 80



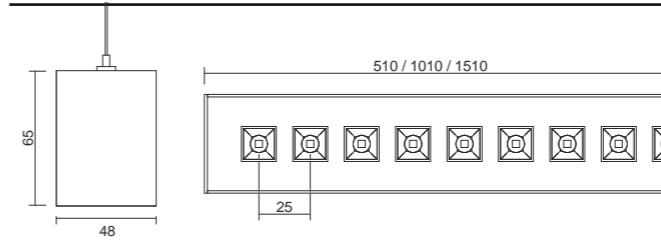
Lichtpunktabstand/Light point distance:	25mm, 50mm, 100mm
Treiber/Driver:	Integriert/Integrated
Leistung/Wattage:	5W – 120W
Lichtstrom/Luminous Flux:	585 lm – 12780 lm
Lichtverteilung/Beam angle:	2x35°, 2x45°, 2x55°
Wirkungsgrad/Efficiency:	>85%
Farbtemperatur/Color Temperature:	2200K – 5700K
CRI:	>80, >90
Schutzklasse/Protection Class:	1
IP-Schutz/IP-Protection:	IP20, IP54 (optional)
Oberfläche Gehäuse/Casing Finish:	Pulverbeschichtet/Powder Coated
Sonderausführung/Custom versions:	Auf Anfrage/On request



MONO

SQUARE LINE 65 PENDEL/PENDANT LP25 (40LEDS/m)

Lichtpunktabstand 25mm/Light point distance 25mm

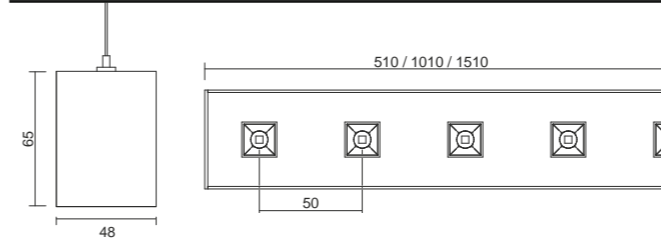


Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux		
	001 = 1W / LED	015 = 1,5W / LED	002 = 2W / LED
1296 = 510mm	20W / 2340 lm	30W / 3200 lm	40W / 4260 lm
1297 = 1010mm	40W / 4680 lm	60W / 6400 lm	80W / 8520 lm
1298 = 1510mm	60W / 7020 lm	90W / 9600 lm	120W / 12780 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

SQUARE LINE 65 PENDEL/PENDANT LP50 (20LEDS/m)

Lichtpunktabstand 50mm/Light point distance 50mm

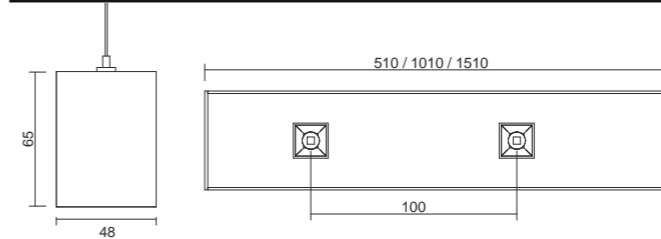


Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux		
	001 = 1W / LED	015 = 1,5W / LED	002 = 2W / LED
1299 = 510mm	10W / 1170 lm	15W / 1600 lm	20W / 2130 lm
1300 = 1010mm	20W / 2340 lm	30W / 3200 lm	40W / 4260 lm
1301 = 1510mm	30W / 3510 lm	45W / 4800 lm	60W / 6390 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

SQUARE LINE 65 PENDEL/PENDANT LP100 (10LEDS/m)

Lichtpunktabstand 100mm/Light point distance 100mm



Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux		
	001 = 1W / LED	015 = 1,5W / LED	002 = 2W / LED
1302 = 510mm	5W / 585 lm	8W / 800 lm	10W / 1065 lm
1303 = 1010mm	10W / 1170 lm	15W / 1600 lm	20W / 2130 lm
1304 = 1510mm	15W / 1755 lm	23W / 2400 lm	30W / 3195 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



ARTIKELNUMMER / ARTICLE NUMBER:



Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI	Farbe Color Finish	Extras Accessories
1296	001 = 1W	X = Ohne/None	G = 2x35°	27 = 2700K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
1297	015 = 1,5W	Y = DALI	H = 2x45°	30 = 3000K	9 = 90	02 = RAL 9006 ●	A = Schutzscheibe/ Cover Glass
1298	002 = 2W	Z = On/Off	I = 2x55°	35 = 3500K		03 = RAL 9005 ●	
1299				40 = 4000K		04 = RAL 7016 ●	
1300				50 = 5000K*		05 = DB703 ●	
1301				57 = 5700K*			
1302							
1303							
1304							

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

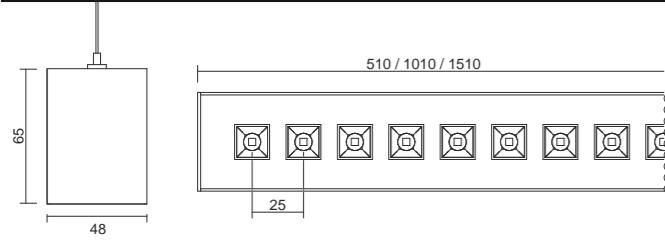
\*5000K und 5700K nur CRI 80/ 5000K and 5700K only CRI 80

TUNEABLE WHITE



SQUARE LINE 65 PENDEL/PENDANT LP25 (40LEDS/m)

Lichtpunktabstand 25mm/Light point distance 25mm

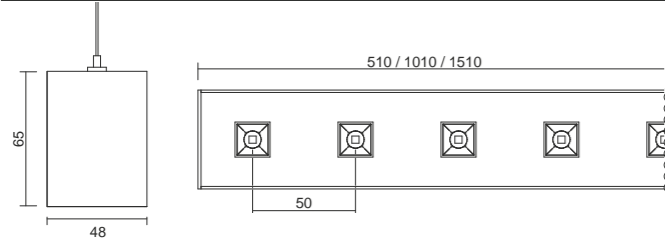


Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux 002 = max. 2W per Lichtpunkt / Light point
1305 = 510mm	40W / (2020 lm / 2320 lm)
1306 = 1010mm	80W / (4040 lm / 4640 lm)
1307 = 1510mm	120W / (6060 lm / 6960 lm)

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

SQUARE LINE 65 PENDEL/PENDANT LP50 (20LEDS/m)

Lichtpunktabstand 50mm/Light point distance 50mm

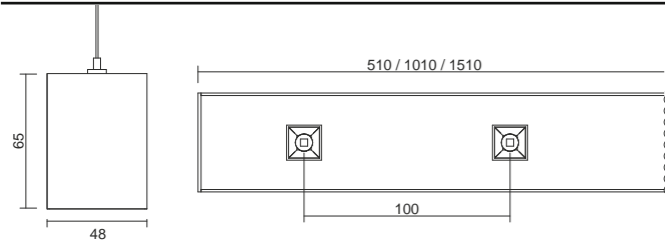


Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux 002 = max. 2W per Lichtpunkt / Light point
1308 = 510mm	20W / (1010 lm / 1160 lm)
1309 = 1010mm	40W / (2020 lm / 2320 lm)
1310 = 1510mm	60W / (3030 lm / 3480 lm)

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

SQUARE LINE 65 PENDEL/PENDANT LP100 (10LEDS/m)

Lichtpunktabstand 100mm/Light point distance 100mm



Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux 002 = max. 2W per Lichtpunkt / Light point
1311 = 510mm	10W / (505 lm / 580 lm)
1312 = 1010mm	20W / (1010 lm / 1160 lm)
1313 = 1510mm	30W / (1515 lm / 1740 lm)

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



ARTIKELNUMMER / ARTICLE NUMBER:

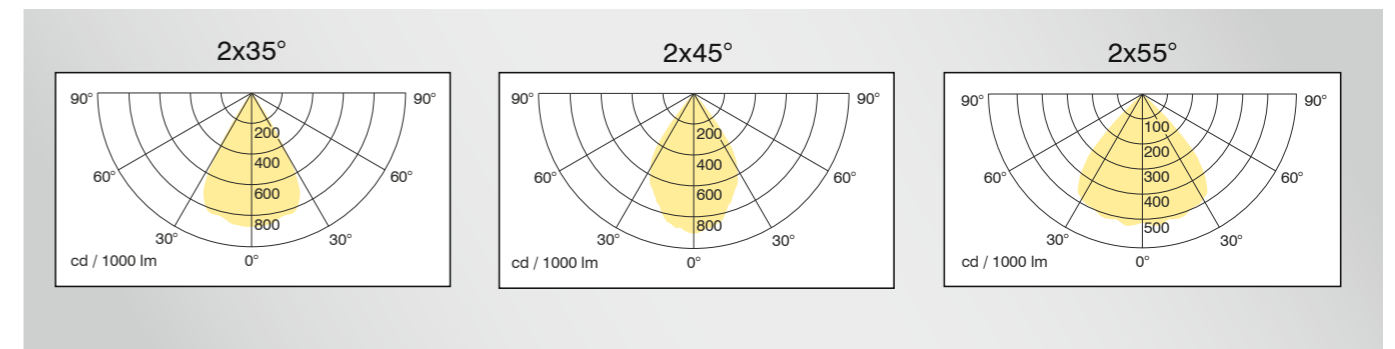


Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1305	002 = 2W	X = Ohne/None	G = 2x35°	T1 = 2200K - 4000K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
1306		W = DALI DT8	H = 2x45°	T2 = 2200K - 4500K	9 = 90	02 = RAL 9006 ●	A = Schutzscheibe/ Cover Glass
1307			I = 2x55°	T3 = 2200K - 5000K		03 = RAL 9005 ●	
1308				T4 = 2200K - 5700K*		04 = RAL 7016 ●	
1309				T5 = 2700K - 4000K		05 = DB703 ●	
1310				T6 = 2700K - 4500K			
1311				T7 = 2700K - 5000K			
1312				T8 = 2700K - 5700K*			
1313							

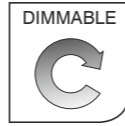
Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible \*5700K nur CRI 80/ 5700K only CRI 80



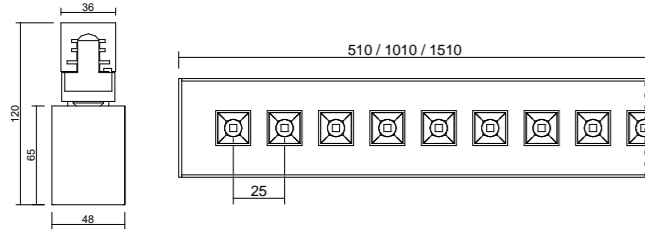
Lichtpunktabstand/Light point distance:	25mm, 50mm, 100mm
Treiber/Driver:	Integriert/Integrated
Leistung/Wattage:	5W – 120W
Lichtstrom/Luminous Flux:	585lm – 12780lm
Lichtverteilung/Beam angle:	2x35°, 2x45°, 2x55°
Wirkungsgrad/Efficiency:	>85%
Farbtemperatur/Color Temperature:	2200K – 5700K
CRI:	>80, >90
Schutzklasse/Protection Class:	1
IP-Schutz/IP-Protection:	IP20, IP54 (optional)
Oberfläche Gehäuse/Casing Finish:	Pulverbeschichtet/Powder Coated
Sonderausführung/Custom versions:	Auf Anfrage/On request



MONO



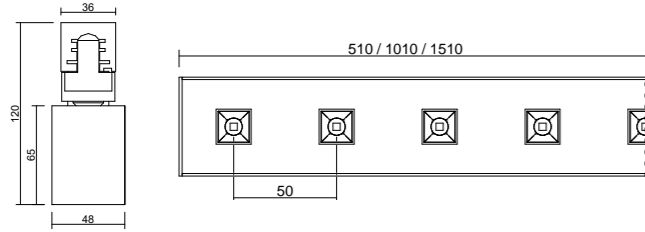
SQUARE LINE 65 STROMSCHIENE/TRACK LP25 (40LEDS/m) Lichtpunktabstand 25mm/Light point distance 25mm



Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminious Flux		
	001 = 1W / LED	015 = 1,5W / LED	002 = 2W / LED
1320 = 510mm	20W / 2340 lm	30W / 3200 lm	40W / 4260 lm
1321 = 1010mm	40W / 4680 lm	60W / 6400 lm	80W / 8520 lm
1322 = 1510mm	60W / 7020 lm	90W / 9600 lm	120W / 12780 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

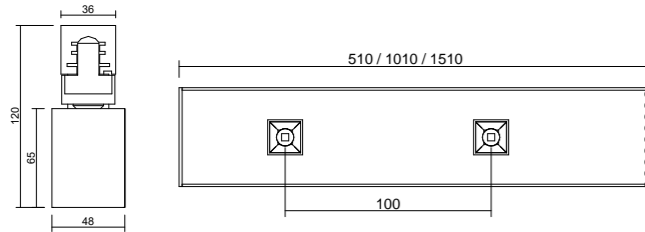
SQUARE LINE 65 STROMSCHIENE/TRACK LP50 (20LEDS/m) Lichtpunktabstand 50mm/Light point distance 50mm



Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminious Flux		
	001 = 1W / LED	015 = 1,5W / LED	002 = 2W / LED
1323 = 510mm	10W / 1170 lm	15W / 1600 lm	20W / 2130 lm
1324 = 1010mm	20W / 2340 lm	30W / 3200 lm	40W / 4260 lm
1325 = 1510mm	30W / 3510 lm	45W / 4800 lm	60W / 6390 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

SQUARE LINE 65 STROMSCHIENE/TRACK LP100 (10LEDS/m) Lichtpunktabstand 100mm/Light point distance 100mm



Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminious Flux		
	001 = 1W / LED	015 = 1,5W / LED	002 = 2W / LED
1326 = 510mm	5W / 585 lm	8W / 800 lm	10W / 1065 lm
1327 = 1010mm	10W / 1170 lm	15W / 1600 lm	20W / 2130 lm
1328 = 1510mm	15W / 1755 lm	23W / 2400 lm	30W / 3195 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

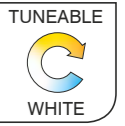


ARTIKELNUMMER / ARTICLE NUMBER:

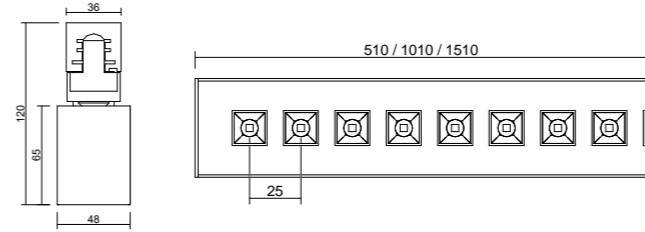
Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1320	001 = 1W	X = Ohne/None	G = 2x35°	27 = 2700K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
1321	015 = 1,5W	Y = DALI	H = 2x45°	30 = 3000K	9 = 90	02 = RAL 9006 ●	A = Schutzscheibe/ Cover Glass
1322	002 = 2W	Z = On/Off	I = 2x55°	35 = 3500K		03 = RAL 9005 ●	
1323				40 = 4000K		04 = RAL 7016 ●	
1324				50 = 5000K*		05 = DB703 ●	
1325				57 = 5700K*			
1326							
1327							
1328							

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible \*5000K und 5700K nur CRI 80/ 5000K and 5700K only CRI 80

TUNEABLE WHITE



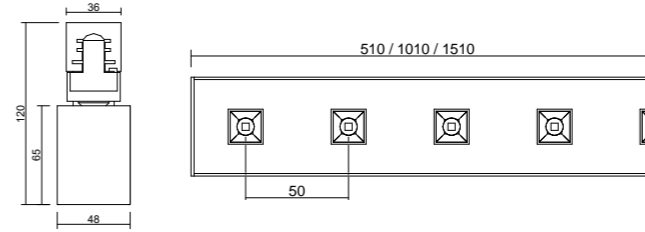
SQUARE LINE 65 STROMSCHIENE/TRACK LP25 (40LEDS/m) Lichtpunktabstand 25mm/Light point distance 25mm



Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminious Flux
	002 = max. 2W per Lichtpunkt / Light point
1329 = 510mm	40W / (2020 lm / 2320 lm)
1330 = 1010mm	80W / (4040 lm / 4640 lm)
1331 = 1510mm	120W / (6060 lm / 6960 lm)

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

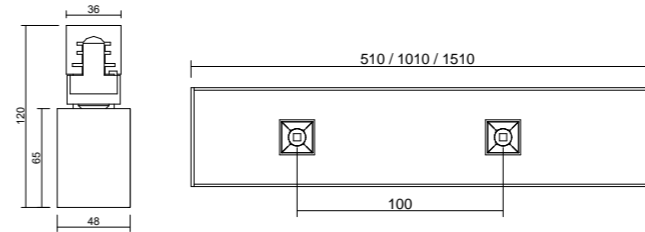
SQUARE LINE 65 STROMSCHIENE/TRACK LP50 (20LEDS/m) Lichtpunktabstand 50mm/Light point distance 50mm



Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminious Flux
	002 = max. 2W per Lichtpunkt / Light point
1332 = 510mm	20W / (1010 lm / 1160 lm)
1333 = 1010mm	40W / (2020 lm / 2320 lm)
1334 = 1510mm	60W / (3030 lm / 3480 lm)

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

SQUARE LINE 65 STROMSCHIENE/TRACK LP100 (10LEDS/m) Lichtpunktabstand 100mm/Light point distance 100mm



Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminious Flux
	002 = max. 2W per Lichtpunkt / Light point
1335 = 510mm	10W / (505 lm / 580 lm)
1336 = 1010mm	20W / (1010 lm / 1160 lm)
1337 = 1510mm	30W / (1515 lm / 1740 lm)

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

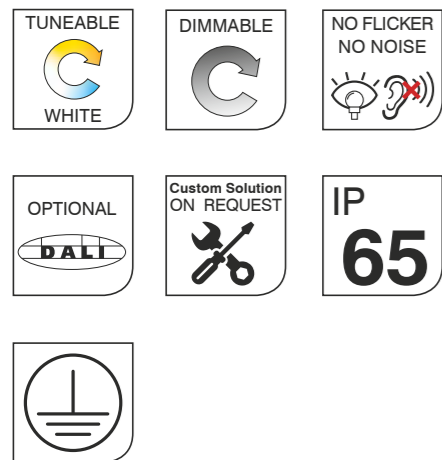


ARTIKELNUMMER / ARTICLE NUMBER:

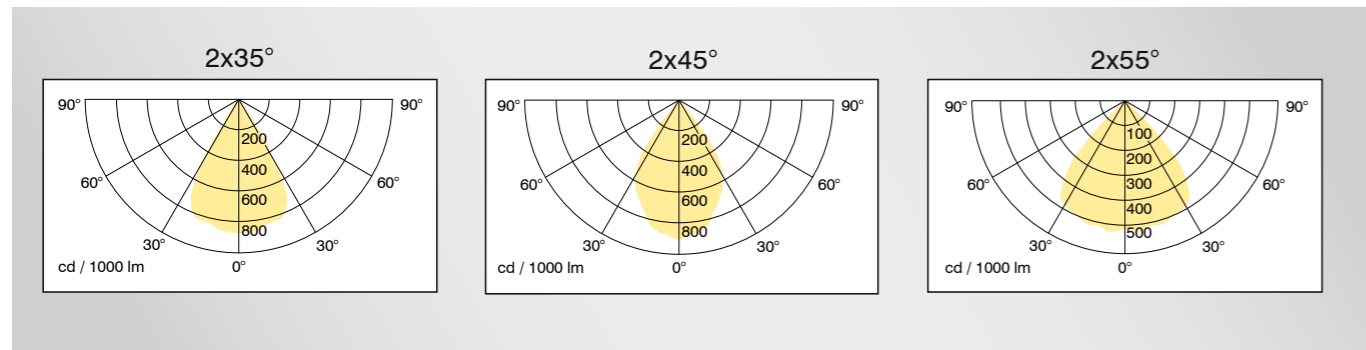
Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1329	002 = 2W	X = Ohne/None	G = 2x35°	T1 = 2200K - 4000K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
1330		W = DALI DT8	H = 2x45°	T2 = 2200K - 4500K	9 = 90	02 = RAL 9006 ●	A = Schutzscheibe/ Cover Glass
1331			I = 2x55°	T3 = 2200K - 5000K		03 = RAL 9005 ●	
1332				T4 = 2200K - 5700K*		04 = RAL 7016 ●	
1333				T5 = 2700K - 4000K		05 = DB703 ●	
1334				T6 = 2700K - 4500K			
1335				T7 = 2700K - 5000K			
1336				T8 = 2700K - 5700K*			
1337							

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible \*5700K nur CRI 80/ 5700K only CRI 80

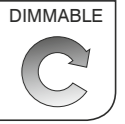
# SQUARE LINE 80 ANBAU/SURFACE MOUNTED



Lichtpunktabstand/Light point distance:	50mm
Treiber/Driver:	Integriert/Integrated
Leistung/Wattage:	10W – 60W
Lichtstrom/Luminous Flux:	1170 lm – 6390 lm
Lichtverteilung/Beam angle:	2x35°, 2x45°, 2x55°
Wirkungsgrad/Efficiency:	>85%
Farbtemperatur/Color Temperature:	2200K – 5700K
CRI:	>80, >90
Schutzklasse/Protection Class:	1
IP-Schutz/IP-Protection:	IP65
Oberfläche Gehäuse/Casing Finish:	Pulverbeschichtet/Powder Coated
Sonderausführung/Custom versions:	Auf Anfrage/On request



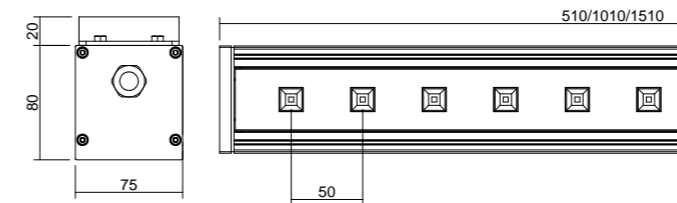
# SQUARE LINE 80 ANBAU/SURFACE MOUNTED



## MONO

### SQUARE LINE 80 ANBAU/SURFACE MOUNTED LP50

Lichtpunktabstand 50mm/Light point distance 50mm



Produkt ID: Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux		
	001 = 1W / LED	015 = 1,5W / LED	002 = 2W / LED
1245 = 510mm	10W / 1170 lm	15W / 1600 lm	20W / 2130 lm
1246 = 1010mm	20W / 2340 lm	30W / 3200 lm	40W / 4260 lm
1247 = 1510mm	30W / 3510 lm	45W / 4800 lm	60W / 6390 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



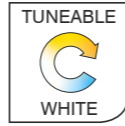
ARTIKELNUMMER / ARTICLE NUMBER:

Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI	Farbe Color Finish	Extras Accessories
1245	001 = 1W	X = Ohne/None	G = 2x35°	27 = 2700K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
1246	015 = 1,5W	Y = DALI	H = 2x45°	30 = 3000K	9 = 90	02 = RAL 9006 ●	
1247	002 = 2W	Z = On/Off	I = 2x55°	35 = 3500K		03 = RAL 9005 ●	
				40 = 4000K		04 = RAL 7016 ●	
				50 = 5000K*		05 = DB703 ●	
				57 = 5700K*			

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

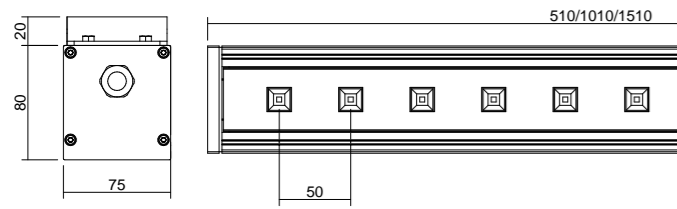
\*5000K und 5700K nur CRI 80/ 5000K and 5700K only CRI 80

# TUNEABLE WHITE



SQUARE LINE 80 ANBAU/SURFACE MOUNTED LP50

Lichtpunktabstand 50mm/Light point distance 50mm



Produkt ID: Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux
<b>1254 = 510mm</b>	<b>002 = max. 2W per Lichtpunkt / Light point</b> 20W / (1010 lm / 1160 lm)
<b>1255 = 1010mm</b>	40W / (2020 lm / 2230 lm)
<b>1256 = 1510mm</b>	60W / (3030 lm / 3480 lm)

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



ARTIKELNUMMER / ARTICLE NUMBER:



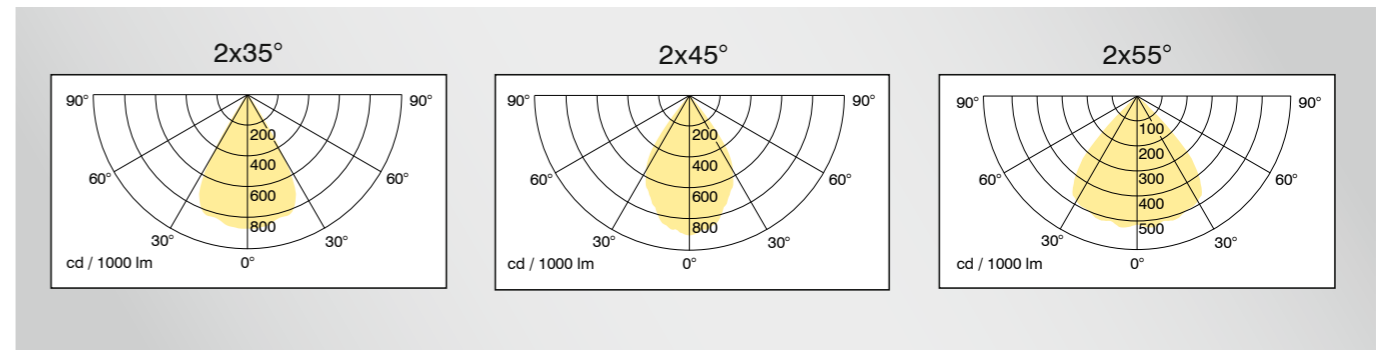
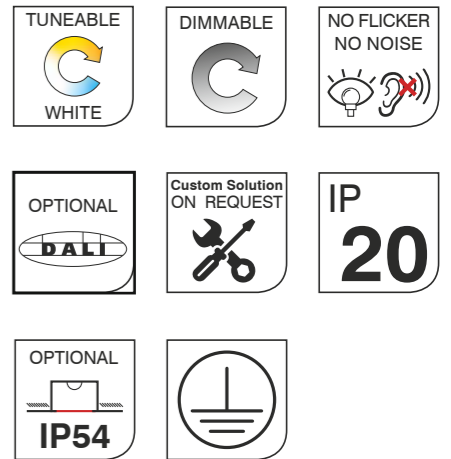
Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
<b>1254</b>	<b>002 = 2W</b>	<b>X = Ohne/None</b>	<b>G = 2x35°</b>	<b>T1 = 2200K - 4000K</b>	<b>8 = 80</b>	<b>01 = RAL 9016</b> ○	<b>X = Ohne/None</b>
<b>1255</b>		<b>W = DALI DT8</b>	<b>H = 2x45°</b>	<b>T2 = 2200K - 4500K</b>	<b>9 = 90</b>	<b>02 = RAL 9006</b> ●	
<b>1256</b>			<b>I = 2x55°</b>	<b>T3 = 2200K - 5000K</b>		<b>03 = RAL 9005</b> ●	
				<b>T4 = 2200K - 5700K*</b>		<b>04 = RAL 7016</b> ●	
				<b>T5 = 2700K - 4000K</b>		<b>05 = DB703</b> ●	
				<b>T6 = 2700K - 4500K</b>			
				<b>T7 = 2700K - 5000K</b>			
				<b>T8 = 2700K - 5700K*</b>			

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

\*5700K nur CRI 80/ 5700K only CRI 80

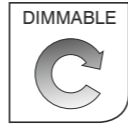


Lichtpunktabstand/Light point distance:	50mm,
Treiber/Driver:	Integriert/Integrated
Leistung/Wattage:	20W – 40W
Lichtstrom/Luminous Flux:	2340 lm – 4260 lm
Lichtverteilung/Beam angle:	2x35°, 2x45°, 2x55°
Wirkungsgrad/Efficiency:	>85%
Farbtemperatur/Color Temperature:	2200K – 5700K
CRI:	>80, >90
Schutzklasse/Protection Class:	1
IP-Schutz/IP-Protection:	IP20, IP54 (optional)
Oberfläche Gehäuse/Casing Finish:	Pulverbeschichtet/Powder Coated
Sonderausführung/Custom versions:	Auf Anfrage/On request



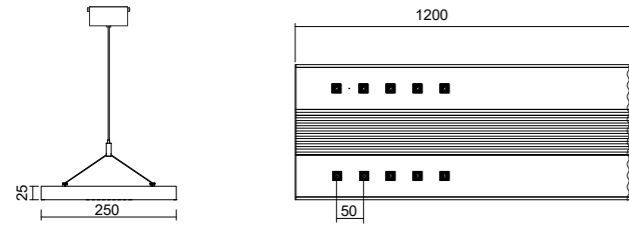


MONO



SQUARE 25 2x10 PENDEL/PENDANT LP50

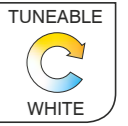
Lichtpunktabstand 50mm/Light point distance 50mm



Produkt ID:	Verbrauch + Lichtstrom/Wattage + Luminous Flux		
	210 = 20x1W	215 = 20x1,5W	220 = 20x2W
1315	2340 lm	3200 lm	4260 lm

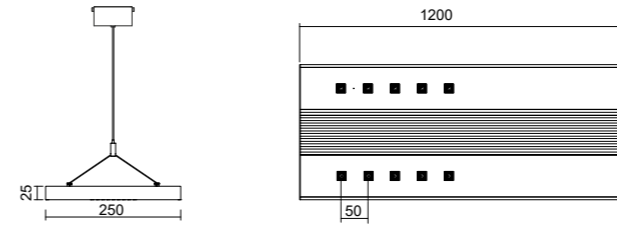
Weitere Sonderausführungen auf Anfrage / Custom solutions on request

TUNEABLE WHITE



SQUARE 25 2x10 PENDEL/PENDANT LP50

Lichtpunktabstand 50mm/Light point distance 50mm



Produkt ID:	Verbrauch + Lichtstrom/Wattage + Luminous Flux
	220 = 20x2W
1318	2020 lm / 2320 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



ARTIKELNUMMER / ARTICLE NUMBER:

Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1315	210 = 20x1W	X = Ohne/None	G = 2x35°	27 = 2700K	8 = 80	01 = RAL 9016 ○	X = Ohne Indirektbel. / None Indirect Light
	215 = 20x1,5W	Y = DALI	H = 2x45°	30 = 3000K	9 = 90	02 = RAL 9006 ●	A = Schutzscheibe/ Cover Glass
	220 = 20x2W	Z = On/Off	I = 2x55°	35 = 3500K		03 = RAL 9005 ●	I = Mit Indirektbel./ Indirect Light
				40 = 4000K		04 = RAL 7016 ●	
				50 = 5000K*		05 = DB703 ●	
				57 = 5700K*			

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

\* 5000K und 5700K nur CRI 80/ 5000K and 5700K only CRI 80

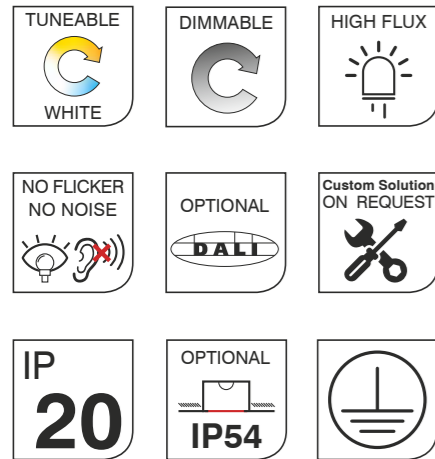
ARTIKELNUMMER / ARTICLE NUMBER:

Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1318	220 = 20x2W	X = Ohne/None	G = 2x35°	T1 = 2200K - 4000K	8 = 80	01 = RAL 9016 ○	X = Ohne Indirektbel. / None Indirect Light
		W = DALI DT8	H = 2x45°	T2 = 2200K - 4500K	9 = 90	02 = RAL 9006 ●	A = Schutzscheibe/ Cover Glass
			I = 2x55°	T3 = 2200K - 5000K		03 = RAL 9005 ●	I = Mit Indirektbel./ Indirect Light
				T4 = 2200K - 5700K*		04 = RAL 7016 ●	
				T5 = 2700K - 4000K		05 = DB703 ●	
				T6 = 2700K - 4500K			
				T7 = 2700K - 5000K			
				T8 = 2700K - 5700K*			

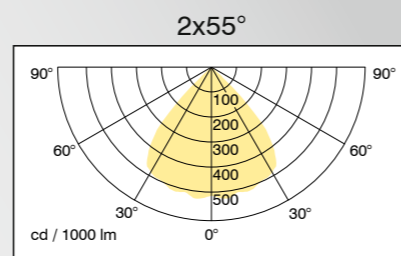
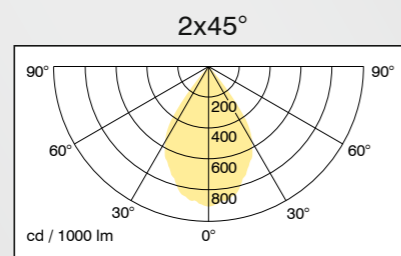
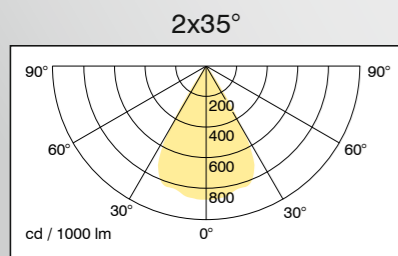
Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

\* 5700K nur CRI 80/ 5700K only CRI 80

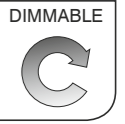
# SQUARE 2x2 ANBAU/SURFACE MOUNTED



Lichtpunktabstand/Light point distance:	25mm, 50mm
Treiber/Driver:	Integriert/Integrated
Leistung/Wattage:	4W – 32W
Lichtstrom/Luminous Flux:	468 lm – 2744 lm
Lichtverteilung/Beam angle:	2x35°, 2x45°, 2x55°
Wirkungsgrad/Efficiency:	> 85%
Farbtemperatur/Color Temperature:	2200K – 5700K
CRI:	>80, >90
Schutzklasse/Protection Class:	1
IP-Schutz/IP-Protection:	IP20, IP54 (optional)
Oberfläche Gehäuse/Casing Finish:	Pulverbeschichtet/Powder Coated
Sonderausführung/Custom versions:	Auf Anfrage/On request



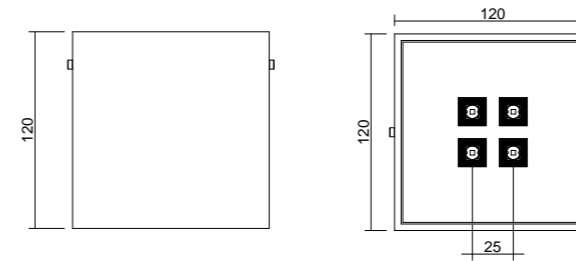
# SQUARE 2x2 ANBAU/SURFACE MOUNTED



## MONO

### SQUARE 2x2 ANBAU/SURFACE MOUNTED LP25

Lichtpunktabstand 25mm/Light point distance 25mm

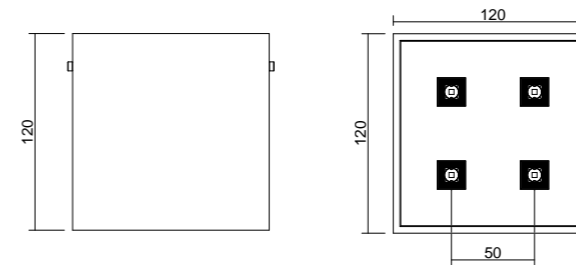


Produkt ID:	Verbrauch + Lichtstrom/Wattage + Luminous Flux		
	041 = 4x1W	045 = 4x1,5W	042 = 4x2W
1135	468 lm	640 lm	852 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

### SQUARE 2x2 ANBAU/SURFACE MOUNTED LP50

Lichtpunktabstand 50mm/Light point distance 50mm



Produkt ID:	Verbrauch + Lichtstrom/Wattage + Luminous Flux		
	041 = 4x1W	045 = 4x1,5W	042 = 4x2W
1137	468 lm	640 lm	852 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

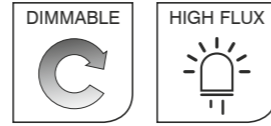


ARTIKELNUMMER / ARTICLE NUMBER:

Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1135	041 = 4x1W	X = Ohne/None	G = 2x35°	27 = 2700K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
1137	045 = 4x1,5W	Y = DALI	H = 2x45°	30 = 3000K	9 = 90	02 = RAL 9006 ●	A = Schutzscheibe/ Cover Glass
	042 = 4x2W	Z = On/Off	I = 2x55°	35 = 3500K		03 = RAL 9005 ●	
				40 = 4000K		04 = RAL 7016 ●	
				50 = 5000K*		05 = DB703 ●	
				57 = 5700K*			

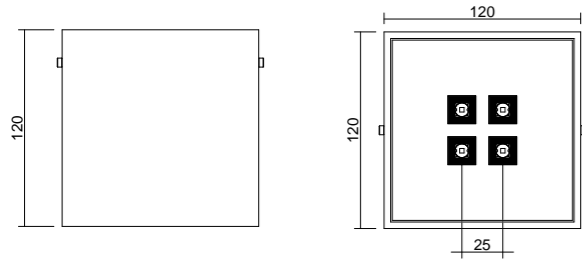
Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible  
\*5000K und 5700K nur CRI 80/5000K and 5700K only CRI 80

# HIGH FLUX



## SQUARE 2x2 ANBAU/SURFACE MOUNTED LP25

Lichtpunktabstand 25mm/Light point distance 25mm

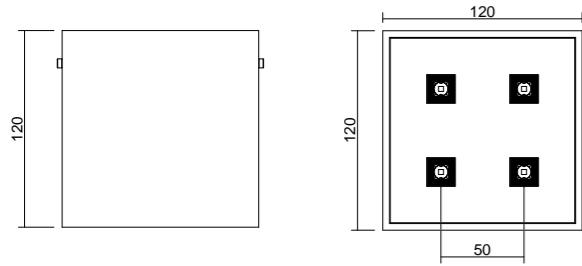


Produkt ID:	Verbrauch + Lichtstrom/Wattage + Luminous Flux		
	044 = 4x4W	046 = 4x6W	048 = 4x8W
1136	1616 lm	2176 lm	2744 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

## SQUARE 2x2 ANBAU/SURFACE MOUNTED LP50

Lichtpunktabstand 50mm/Light point distance 50mm



Produkt ID:	Verbrauch + Lichtstrom/Wattage + Luminous Flux		
	044 = 4x4W	046 = 4x6W	048 = 4x8W
1138	1616 lm	2176 lm	2744 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



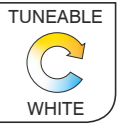
ARTIKELNUMMER / ARTICLE NUMBER:



Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1136	044 = 4x4W	X = Ohne/None	G = 2x35°	27 = 2700K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
1138	046 = 4x6W	Y = DALI	H = 2x45°	30 = 3000K	9 = 90	02 = RAL 9006 ●	A = Schutzscheibe/ Cover Glass
	048 = 4x8W	Z = On/Off	I = 2x55°	35 = 3500K		03 = RAL 9005 ●	
				40 = 4000K		04 = RAL 7016 ●	
				50 = 5000K		05 = DB703 ●	
				57 = 5700K			

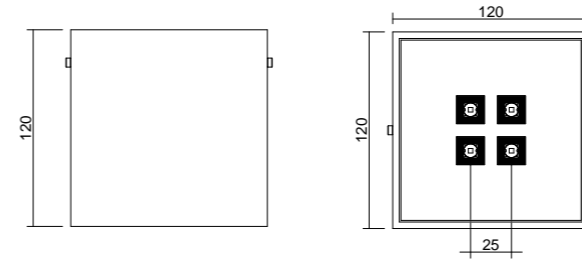
Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

# TUNEABLE WHITE



## SQUARE 2x2 ANBAU/SURFACE MOUNTED LP25

Lichtpunktabstand 25mm/Light point distance 25mm

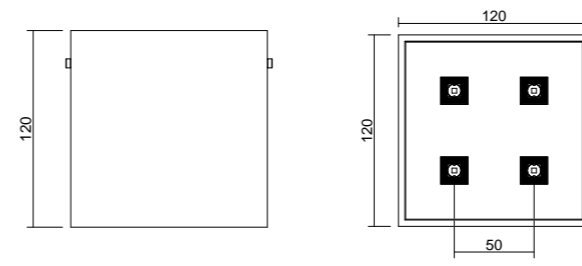


Produkt ID:	Verbrauch + Lichtstrom/Wattage + Luminous Flux
	042 = 4x2W
1141	404 lm / 464 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

## SQUARE 2x2 ANBAU/SURFACE MOUNTED LP50

Lichtpunktabstand 50mm/Light point distance 50mm



Produkt ID:	Verbrauch + Lichtstrom/Wattage + Luminous Flux
	042 = 4x2W
1142	404 lm / 464 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



ARTIKELNUMMER / ARTICLE NUMBER:

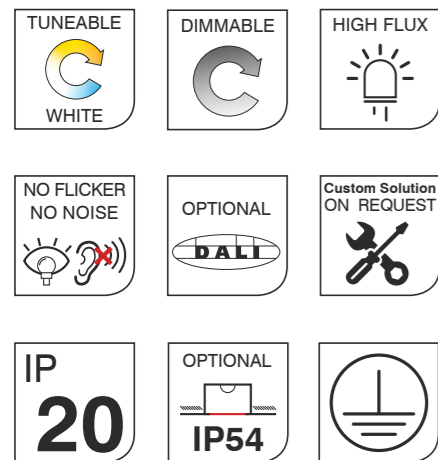


Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1141	042 = 4x2W	X = Ohne/None	G = 2x35°	T1 = 2200K - 4000K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
1142		W = DALI DT8	H = 2x45°	T2 = 2200K - 4500K	9 = 90	02 = RAL 9006 ●	A = Schutzscheibe/ Cover Glass
			I = 2x55°	T3 = 2200K - 5000K		03 = RAL 9005 ●	
				T4 = 2200K - 5700K*		04 = RAL 7016 ●	
				T5 = 2700K - 4000K		05 = DB703 ●	
				T6 = 2700K - 4500K			
				T7 = 2700K - 5000K			
				T8 = 2700K - 5700K*			

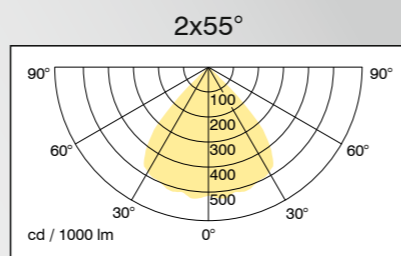
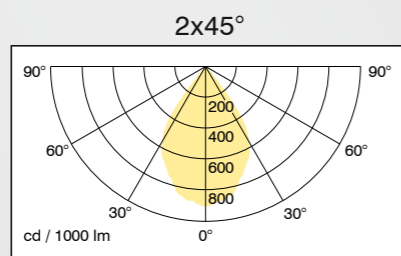
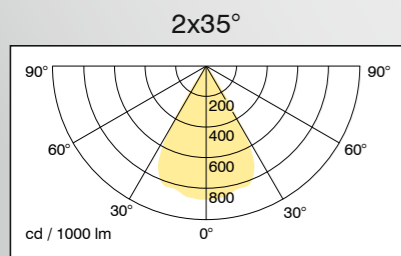
Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

\*5700K nur CRI 80/ 5700K only CRI 80

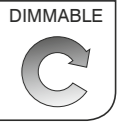
# SQUARE 2x2 ANBAU SCHWENKBAR/SURFACE MOUNTED TILT



Lichtpunktabstand/Light point distance:	25mm, 50mm
Treiber/Driver:	Integriert/Integrated
Leistung/Wattage:	4W – 32W
Lichtstrom/Luminous Flux:	468 lm – 2744 lm
Lichtverteilung/Beam angle:	2x35°, 2x45°, 2x55°
Wirkungsgrad/Efficiency:	> 85%
Farbtemperatur/Color Temperature:	2200K – 5700K
CRI:	> 80, > 90
Schutzklasse/Protection Class:	1
IP-Schutz/IP-Protection:	IP20, IP54 (optional)
Oberfläche Gehäuse/Casing Finish:	Pulverbeschichtet/Powder Coated
Sonderausführung/Custom versions:	Auf Anfrage/On request



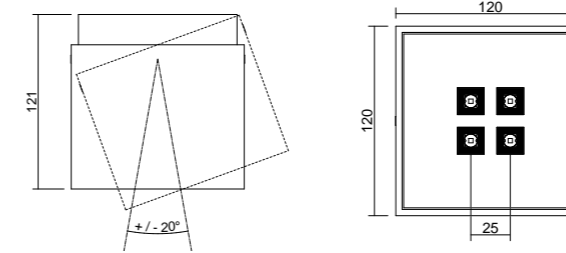
# SQUARE 2x2 ANBAU SCHWENKBAR/SURFACE MOUNTED TILT



## MONO

### SQUARE 2x2 ANBAU SCHWENKBAR/SURFACE MOUNTED TILT LP25

Lichtpunktabstand 25mm/  
Light point distance 25mm

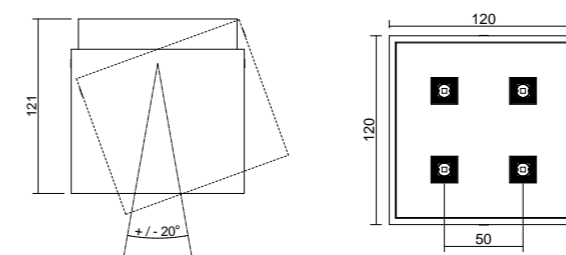


Produkt ID:	Verbrauch + Lichtstrom/Wattage + Luminous Flux		
	041 = 4x1W	045 = 4x1,5W	042 = 4x2W
1144	468 lm	640 lm	852 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

### SQUARE 2x2 ANBAU SCHWENKBAR/SURFACE MOUNTED TILT LP50

Lichtpunktabstand 50mm/  
Light point distance 50mm



Produkt ID:	Verbrauch + Lichtstrom/Wattage + Luminous Flux		
	041 = 4x1W	045 = 4x1,5W	042 = 4x2W
1146	468 lm	640 lm	852 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

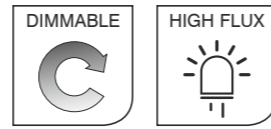


ARTIKELNUMMER / ARTICLE NUMBER:

Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI	Farbe Color Finish	Extras Accessories
1144	041 = 4x1W	X = Ohne/None	G = 2x35°	27 = 2700K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
1146	045 = 4x1,5W	Y = DALI	H = 2x45°	30 = 3000K	9 = 90	02 = RAL 9006 ●	A = Schutzscheibe/ Cover Glass
	042 = 4x2W	Z = On/Off	I = 2x55°	35 = 3500K		03 = RAL 9005 ●	
				40 = 4000K		04 = RAL 7016 ●	
				50 = 5000K*		05 = DB703 ●	
				57 = 5700K*			

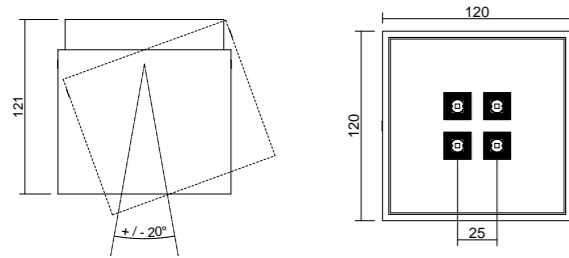
Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible  
\*5000K und 5700K nur CRI 80/5000K and 5700K only CRI 80

# HIGH FLUX



SQUARE 2x2 ANBAU SCHWENKBAR/SURFACE MOUNTED TILT LP25

Lichtpunktabstand 25mm/  
Light point distance 25mm

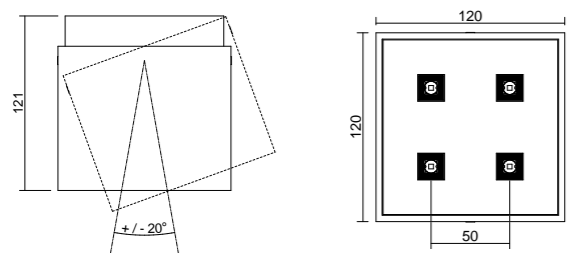


Produkt ID:	Verbrauch + Lichtstrom/Wattage + Luminious Flux		
	044 = 4x4W	046 = 4x6W	048 = 4x8W
1145	1616 lm	2176 lm	2744 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

SQUARE 2x2 ANBAU SCHWENKBAR/SURFACE MOUNTED TILT LP50

Lichtpunktabstand 50mm/  
Light point distance 50mm



Produkt ID:	Verbrauch + Lichtstrom/Wattage + Luminious Flux		
	044 = 4x4W	046 = 4x6W	048 = 4x8W
1147	1616 lm	2176 lm	2744 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

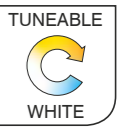


ARTIKELNUMMER / ARTICLE NUMBER:

Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1145	044 = 4x4W	X = Ohne/None	G = 2x35°	27 = 2700K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
1147	046 = 4x6W	Y = DALI	H = 2x45°	30 = 3000K	9 = 90	02 = RAL 9006 ●	A = Schutzscheibe/ Cover Glass
	048 = 4x8W	Z = On/Off	I = 2x55°	35 = 3500K		03 = RAL 9005 ●	
				40 = 4000K		04 = RAL 7016 ●	
				50 = 5000K		05 = DB703 ●	
				57 = 5700K			

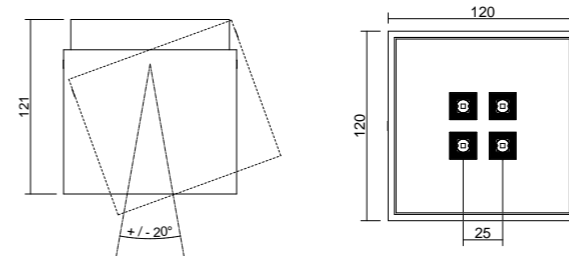
Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

# TUNEABLE WHITE



SQUARE 2x2 ANBAU SCHWENKBAR/SURFACE MOUNTED TILT LP25

Lichtpunktabstand 25mm/  
Light point distance 25mm

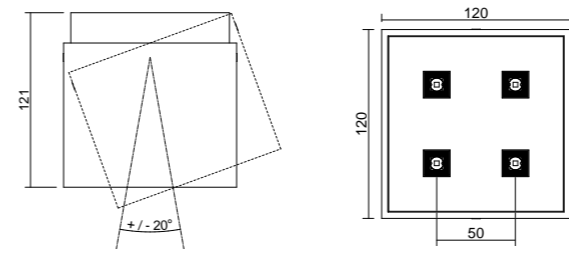


Produkt ID:	Verbrauch + Lichtstrom/Wattage + Luminious Flux
	042 = 4x2W
1150	404 lm / 464 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

SQUARE 2x2 ANBAU SCHWENKBAR/SURFACE MOUNTED TILT LP50

Lichtpunktabstand 50mm/  
Light point distance 50mm



Produkt ID:	Verbrauch + Lichtstrom/Wattage + Luminious Flux
	042 = 4x2W
1151	404 lm / 464 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

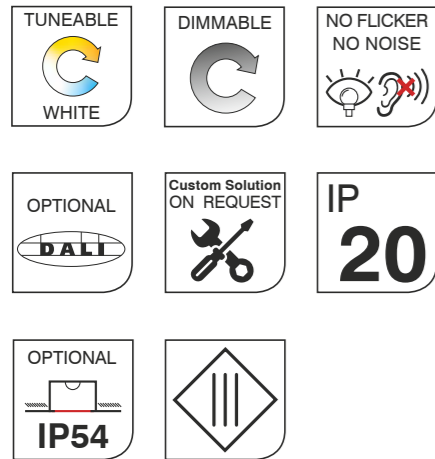


ARTIKELNUMMER / ARTICLE NUMBER:

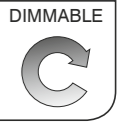
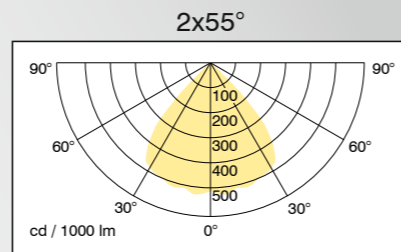
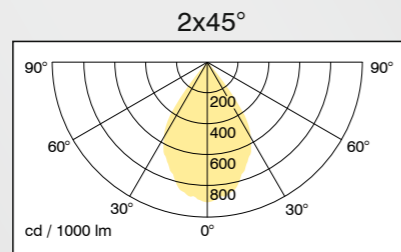
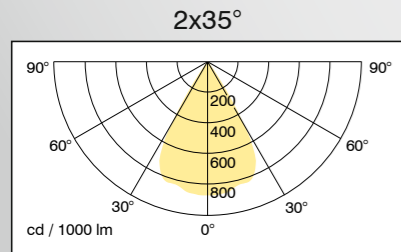
Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1150	042 = 4x2W	X = Ohne/None	G = 2x35°	T1 = 2200K - 4000K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
1151		W = DALI DT8	H = 2x45°	T2 = 2200K - 4500K	9 = 90	02 = RAL 9006 ●	A = Schutzscheibe/ Cover Glass
			I = 2x55°	T3 = 2200K - 5000K		03 = RAL 9005 ●	
				T4 = 2200K - 5700K*		04 = RAL 7016 ●	
				T5 = 2700K - 4000K		05 = DB703 ●	
				T6 = 2700K - 4500K			
				T7 = 2700K - 5000K			
				T8 = 2700K - 5700K*			

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

\*5700K nur CRI 80/ 5700K only CRI 80



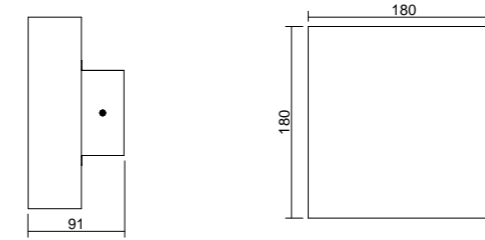
Lichtpunktabstand/Light point distance:	25mm
Treiber/Driver:	Integriert / Integrated
Leistung/Wattage:	10W – 20W
Lichtstrom/Luminous Flux:	1170 lm – 2130 lm
Lichtverteilung/Beam angle:	2x35°, 2x45°, 2x55°
Wirkungsgrad/Efficiency:	>85%
Farbtemperatur/Color Temperature:	2200K – 5700K
CRI:	>80, >90
Schutzklasse/Protection Class:	1
IP-Schutz/IP-Protection:	IP20, IP54 (optional)
Oberfläche Gehäuse/Casing Finish:	Pulverbeschichtet/Powder Coated
Sonderausführung/Custom versions:	Auf Anfrage/On request



MONO

CUBOID UP&DOWN 5 ANBAU/SURFACE MOUNTED LP25

Lichtpunktabstand 25mm/Light point distance 25mm



Produkt ID:	Verbrauch + Lichtstrom/Wattage + Luminous Flux		
	101 = 10x1W	105 = 10x1,5W	102 = 10x2W
1200	1170 lm	1600 lm	2130 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



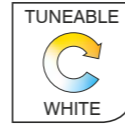
ARTIKELNUMMER / ARTICLE NUMBER:

Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI	Farbe Color Finish	Extras Accessories
1200	101 = 10x1W	X = Ohne/None	G = 2x35°	27 = 2700K	8 = 80	01 = RAL 9016 ○	X = Ohne Indirektbel. / None Indirect Light
	105 = 10x1,5W	Y = DALI	H = 2x45°	30 = 3000K	9 = 90	02 = RAL 9006 ●	A = Schutzscheibe/ Cover Glass
	102 = 10x2W	Z = On/Off	I = 2x55°	35 = 3500K		03 = RAL 9005 ●	I = Mit Indirektbel./ Indirect Light
				40 = 4000K		04 = RAL 7016 ●	
				50 = 5000K*		05 = DB703 ●	
				57 = 5700K*			

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

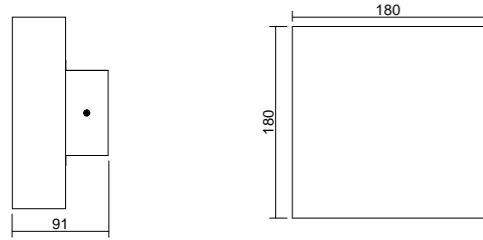
\*5000K und 5700K nur CRI 80/ 5000K and 5700K only CRI 80

# TUNEABLE WHITE



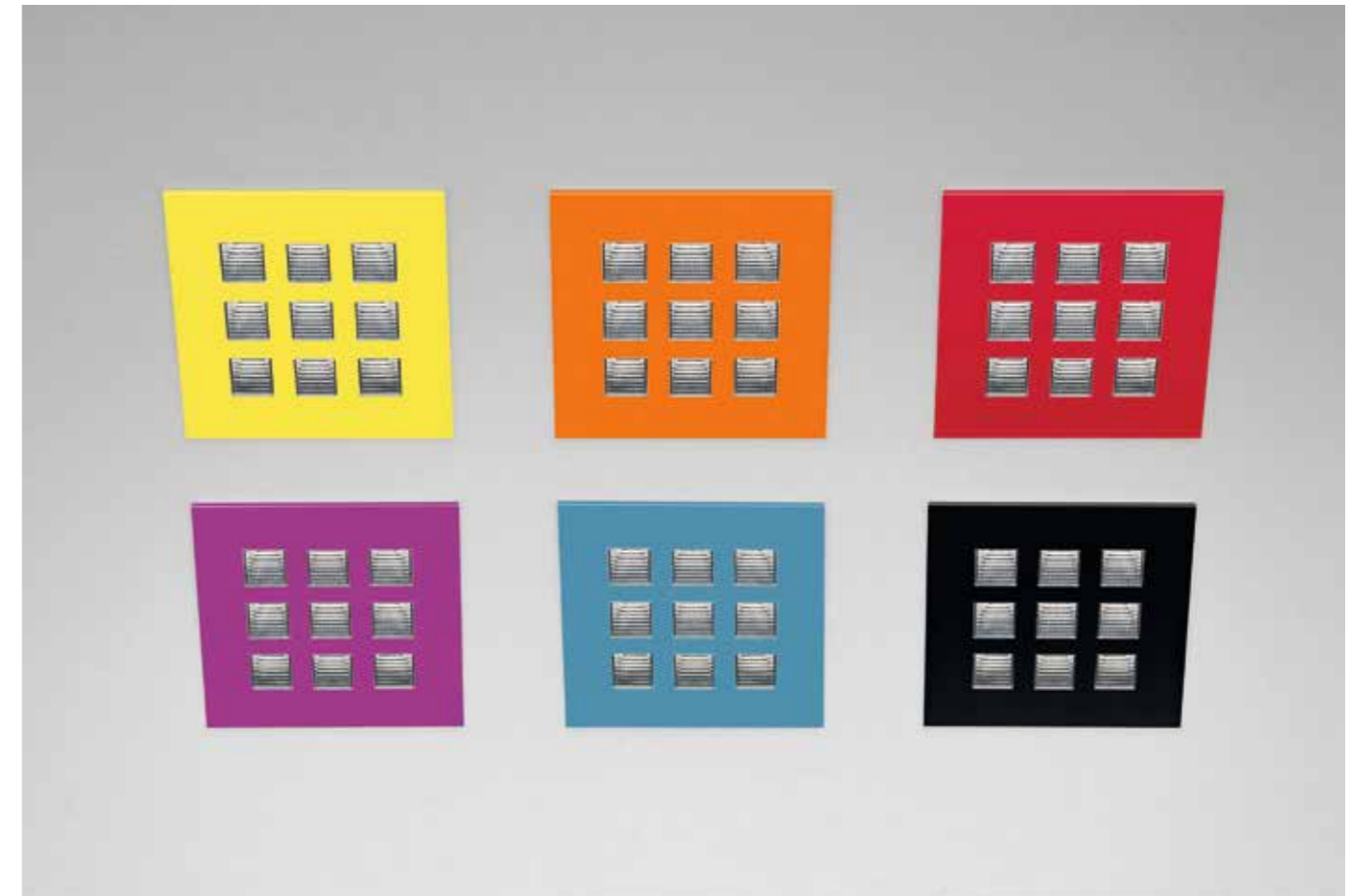
CUBOID UP&DOWN 5 ANBAU/SURFACE MOUNTED LP25

Lichtpunktabstand 25mm/Light point distance 25mm



Produkt ID:	Verbrauch + Lichtstrom/Wattage + Luminous Flux
1203	102 = 10x2W 1010 lm / 1160 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



ARTIKELNUMMER / ARTICLE NUMBER:

□□□□ □□□ □ □ □ □ □ □ □ □

Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1203	102 = 10x2W	X = Ohne/None	G = 2x35°	T1 = 2200K - 4000K	8 = 80	01 = RAL 9016 ○	X = Ohne Indirektbel. / None Indirect Light
			H = 2x45°	T2 = 2200K - 4500K	9 = 90	02 = RAL 9006 ●	A = Schutzscheibe/ Cover Glass
		I = 2x55°	T3 = 2200K - 5000K		03 = RAL 9005 ●	I = Mit Indirektbel./ Indirect Light	
			T4 = 2200K - 5700K*		04 = RAL 7016 ●		
			T5 = 2700K - 4000K		05 = DB703 ●		
			T6 = 2700K - 4500K				
			T7 = 2700K - 5000K				
			T8 = 2700K - 5700K*				

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible \*5700K nur CRI 80/ 5700K only CRI 80

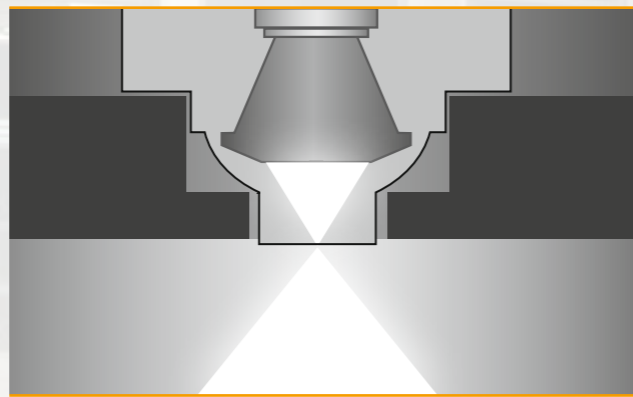
*Individuelle Farbauswahl möglich.*

*Individual color selection possible.*



*Natürliche Lichtatmosphäre durch  
homogene Ausleuchtung.*

*Natural light atmosphere through  
homogeneous illumination.*



Unsere LFO-Leuchten sind so konzipiert und berechnet, dass das Licht unterhalb der Linse in einer Ausblendhülse fokussiert wird, und sich dann blendfrei nach unten in dem Raum verteilt um eine möglichst natürliche Lichtatmosphäre zu schaffen.

Durch den geringen Durchmesser der Lichtaustrittsfläche von nur 8mm, erreichen wir eine blendfreie, homogene Ausleuchtung bei der die Lichtquelle kaum vom Betrachter wahrgenommen wird.

Dank des dezenten Erscheinungsbildes und der sehr geringen Blendwirkung, lassen sich unsere LFO-Leuchten optisch nahezu perfekt in jegliche Deckenarchitektur integrieren.

Unsere LFO-Linsen sind mit den Abstrahlwinkeln 2x20° und 2x38° erhältlich.















Our LFO luminaires are designed to focus the light inside an 8mm aperture below the lens, which results in a glare free light distribution and creates a natural light atmosphere.

Due to the small diameter of the light-emitting aperture of only 8mm, we achieve a homogenous illumination and the light source stays almost completely hidden from the eye of the observer inside the room.

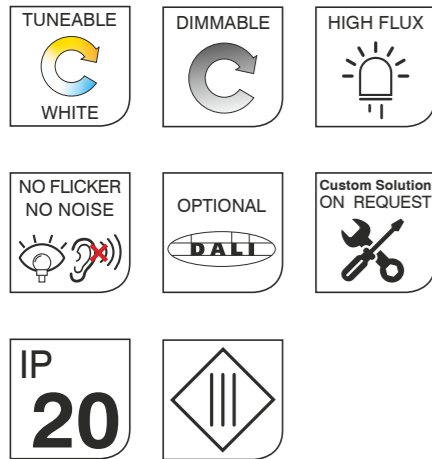
Thanks to the discreet Design and the low glare-effect of this system, our LFO fixtures can be perfectly integrated into any ceiling architecture.

Our LFO-lenses are available with 2x20° and 2x38° beam angle.

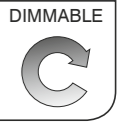
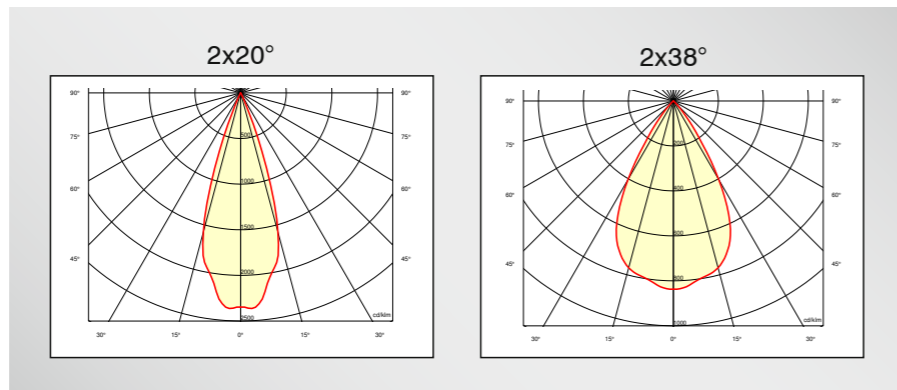
### PRODUKTE / PRODUCTS

	Seite/Page		Seite/Page
	<b>LFO SINGLE Modul/Module</b> 64		<b>LFO 3x3 Einbau/Recessed</b> 86
	Mono		Mono
	High Flux		Tuneable white
	Tuneable white		
	<b>LFO 1x4 Modul/Module</b> 67		<b>LFO LINE 35 Einbau/Recessed</b> 89
	Mono		Mono
	High Flux		Tuneable white
	Tuneable white		
	<b>LFO 2x2 Modul/Module</b> 70		<b>LFO LINE 65 Anbau/Surface mounted</b> 92
	Mono		Mono
	Tuneable white		Tuneable white
	<b>LFO SPOT Einbau/Recessed</b> 73		<b>LFO LINE 65 Pendel/Pendant</b> 95
	Mono		Mono
	Tuneable white		Tuneable white
	<b>LFO SOLO Einbau/Recessed</b> 76		<b>LFO LINE 65 Stromschiene/Track</b> 98
	Mono		Mono
	High Flux		Tuneable white
	Tuneable white		
	<b>LFO 1x4 Einbau/Recessed</b> 80		<b>LFO LINE 80 Anbau/Surface mounted</b> 101
	Mono		Mono
	Tuneable white		Tuneable white
	<b>LFO 2x2 Einbau/Recessed</b> 83		<b>LFO 2x2 Anbau/Surface mounted</b> 104
	Mono		Mono
	Tuneable white		High Flux
			Tuneable white

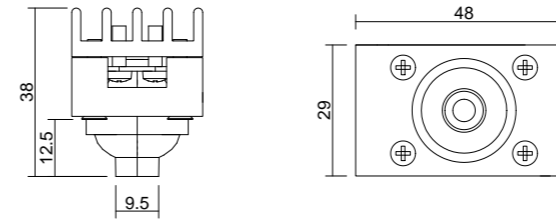




Lichtpunktabstand/Light point distance:	n/a
Treiber/Driver:	Extern/External
Leistung/Wattage:	1W – 8W
Lichtstrom/Luminous Flux:	117lm – 686lm
Lichtverteilung/Beam angle:	2x20°, 2x38°
Wirkungsgrad/Efficiency:	>85%
Farbtemperatur/Color Temperature:	2200K – 5700K
CRI:	>80, >90
Schutzklasse/Protection Class:	3
IP-Schutz/IP-Protection:	IP20
Oberfläche Gehäuse/Casing Finish:	Pulverbeschichtet/Powder Coated
Sonderausführung/Custom versions:	Auf Anfrage/On request

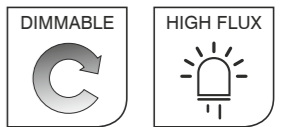


MONO

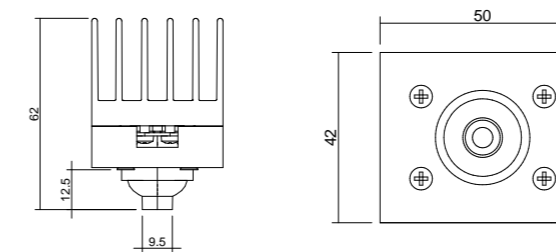


Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux		
	001 = 1W	015 = 1,5W	002 = 2W
1340	117 lm	160 lm	213 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

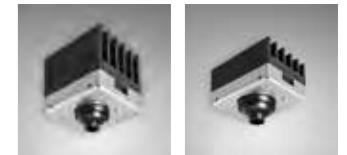


HIGH FLUX



Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux		
	004 = 4W	006 = 6W	008 = 8W
1341	404 lm	544 lm	686 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

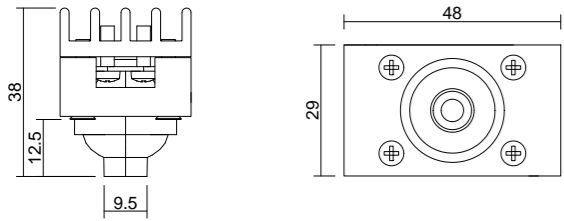
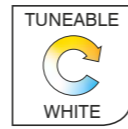


ARTIKELNUMMER / ARTICLE NUMBER:

Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1340	001 = 1W	X = Ohne/None	B = 2x20°	27 = 2700K	8 = 80	XX = Ohne/None	X = Ohne/None
	015 = 1,5W	Y = DALI	F = 2x38°	30 = 3000K	9 = 90		
	002 = 2W	Z = On/Off		35 = 3500K			
1341	004 = 4W			40 = 4000K			
	006 = 6W			50 = 5000K*			
	008 = 8W			57 = 5700K*			

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible  
\* MONO: 5000K und 5700K nur CRI 80/ MONO: 5000K and 5700K only CRI 80

# TUNEABLE WHITE



Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux
1342	002 = 2W 101 lm / 116 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



ARTIKELNUMMER / ARTICLE NUMBER:



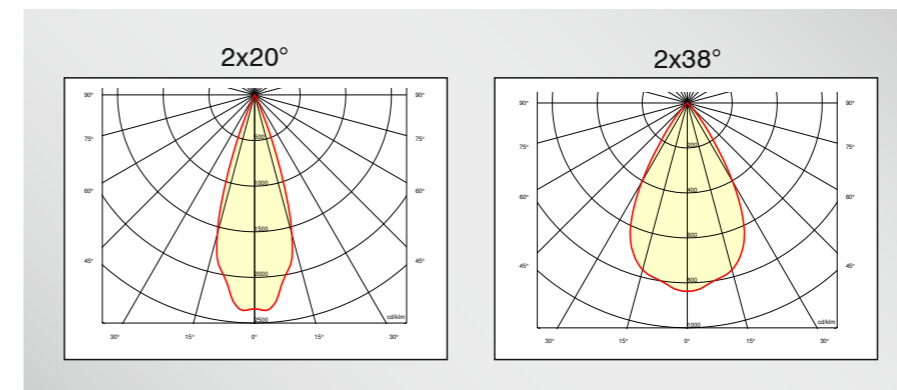
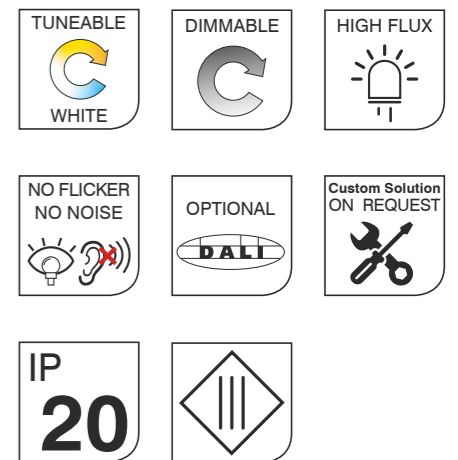
Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1342	002 = 2W	X = Ohne/None	B = 2x20°	T1 = 2200K - 4000K	8 = 80	XX = Ohne/None	X = Ohne/None
		W = DALI DT8	F = 2x38°	T2 = 2200K - 4500K	9 = 90		
				T3 = 2200K - 5000K			
				T4 = 2200K - 5700K*			
				T5 = 2700K - 4000K			
				T6 = 2700K - 4500K			
				T7 = 2700K - 5000K			
				T8 = 2700K - 5700K*			

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

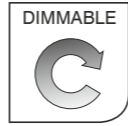
\*5700K nur CRI 80/ 5700K only CRI 80



Lichtpunktabstand/Light point distance:	50mm
Treiber/Driver:	Extern/External
Leistung/Wattage:	4W – 32W
Lichtstrom/Luminous Flux:	468 lm – 2744 lm
Lichtverteilung/Beam angle:	2x20°, 2x38°
Wirkungsgrad/Efficiency:	>85%
Farbtemperatur/Color Temperature:	2200K – 5700K
CRI:	>80, >90
Schutzklasse/Protection Class:	3
IP-Schutz/IP-Protection:	IP20
Oberfläche Gehäuse/Casing Finish:	Pulverbeschichtet/Powder Coated
Sonderausführung/Custom versions:	Auf Anfrage/On request

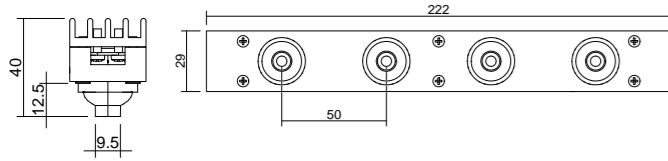


# MONO



LFO 1x4 MODUL/MODULE LP50

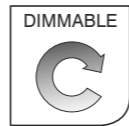
Lichtpunktabstand 50mm/Light point distance 50mm



Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux		
	041 = 4x1W	045 = 4x1,5W	042 = 4x2W
1347	468 lm	640 lm	852 lm

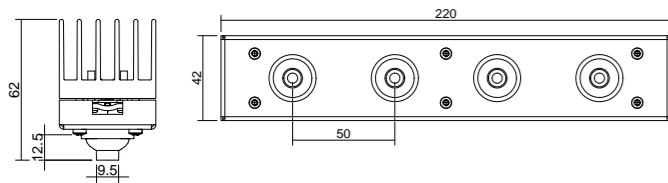
Weitere Sonderausführungen auf Anfrage / Custom solutions on request

# HIGH FLUX



LFO 1x4 MODUL/MODULE LP50

Lichtpunktabstand 50mm/Light point distance 50mm



Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux		
	044 = 4x4W	046 = 4x6W	048 = 4x8W
1348	1616 lm	2176 lm	2744 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



ARTIKELNUMMER / ARTICLE NUMBER:

Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1347	041 = 4x1W	X = Ohne/None	B = 2x20°	27 = 2700K	8 = 80	XX = Ohne/None	X = Ohne/None
	045 = 4x1,5W	Y = DALI	F = 2x38°	30 = 3000K	9 = 90		
	042 = 4x2W	Z = On/Off		35 = 3500K			
1348	044 = 4x4W			40 = 4000K			
	046 = 4x6W			50 = 5000K*			
	048 = 4x8W			57 = 5700K*			

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

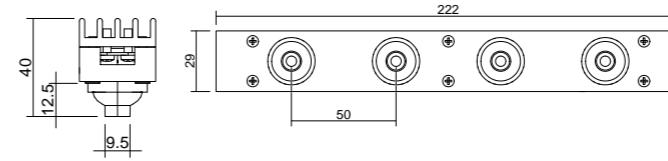
\* MONO: 5000K und 5700K nur CRI 80/ MONO: 5000K and 5700K only CRI 80

# TUNEABLE WHITE



LFO 1x4 MODUL/MODULE LP50

Lichtpunktabstand 50mm/Light point distance 50mm



Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux
	042 = 4x2W
1353	404 lm / 464 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

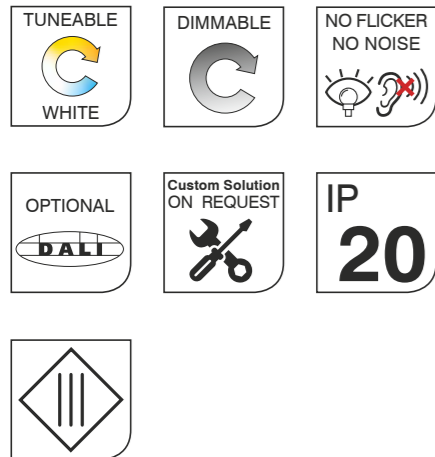


ARTIKELNUMMER / ARTICLE NUMBER:

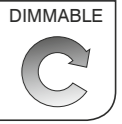
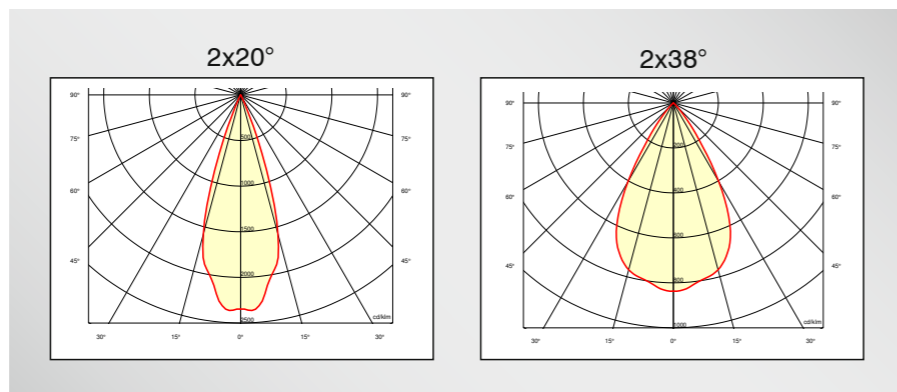
Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1353	042 = 4x2W	X = Ohne/None	B = 2x20°	T1 = 2200K - 4000K	8 = 80	XX = Ohne/None	X = Ohne/None
			F = 2x38°	T2 = 2200K - 4500K	9 = 90		
			T3 = 2200K - 5000K				
			T4 = 2200K - 5700K*				
			T5 = 2700K - 4000K				
			T6 = 2700K - 4500K				
			T7 = 2700K - 5000K				
			T8 = 2700K - 5700K*				

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

\*5700K nur CRI 80/ 5700K only CRI 80



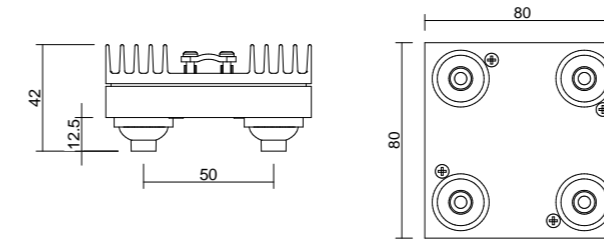
Lichtpunktabstand/Light point distance:	50mm
Treiber/Driver:	Extern/External
Leistung/Wattage:	4W – 8W
Lichtstrom/Luminous Flux:	468 lm – 852 lm
Lichtverteilung/Beam angle:	2x20°, 2x38°
Wirkungsgrad/Efficiency:	> 85%
Farbtemperatur/Color Temperature:	2200K – 5700K
CRI:	>80, >90
Schutzklasse/Protection Class:	3
IP-Schutz/IP-Protection:	IP20
Oberfläche Gehäuse/Casing Finish:	Pulverbeschichtet/Powder Coated
Sonderausführung/Custom versions:	Auf Anfrage/On request



MONO

LFO 2x2 MODUL/MODULE LP50

Lichtpunktabstand 50mm/Light point distance 50mm



Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux		
	041 = 4x1W	045 = 4x1,5W	042 = 4x2W
1358	468 lm	640 lm	852 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



ARTIKELNUMMER / ARTICLE NUMBER:

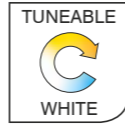


Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1358	041 = 4x1W	X = Ohne/None	B = 2x20°	27 = 2700K	8 = 80	XX = Ohne/None	X = Ohne/None
	045 = 4x1,5W	Y = DALI	F = 2x38°	30 = 3000K	9 = 90		
	042 = 4x2W	Z = On/Off		35 = 3500K			
				40 = 4000K			
				50 = 5000K*			
				57 = 5700K*			

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

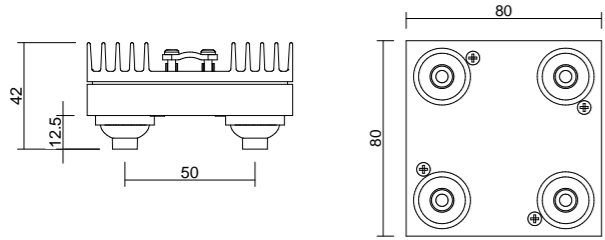
\* MONO: 5000K und 5700K nur CRI 80/ MONO: 5000K and 5700K only CRI 80

# TUNEABLE WHITE



LFO 2x2 MODUL/MODULE LP50

Lichtpunktabstand 50mm/Light point distance 50mm



Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux
1363	042 = 4x2W 404 lm / 464 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



ARTIKELNUMMER / ARTICLE NUMBER:



Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1363	042 = 4x2W	X = Ohne/None	B = 2x20°	T1 = 2200K - 4000K	8 = 80	XX = Ohne/None	X = Ohne/None
		W = DALI DT8	F = 2x38°	T2 = 2200K - 4500K	9 = 90		
				T3 = 2200K - 5000K			
				T4 = 2200K - 5700K*			
				T5 = 2700K - 4000K			
				T6 = 2700K - 4500K			
				T7 = 2700K - 5000K			
				T8 = 2700K - 5700K*			

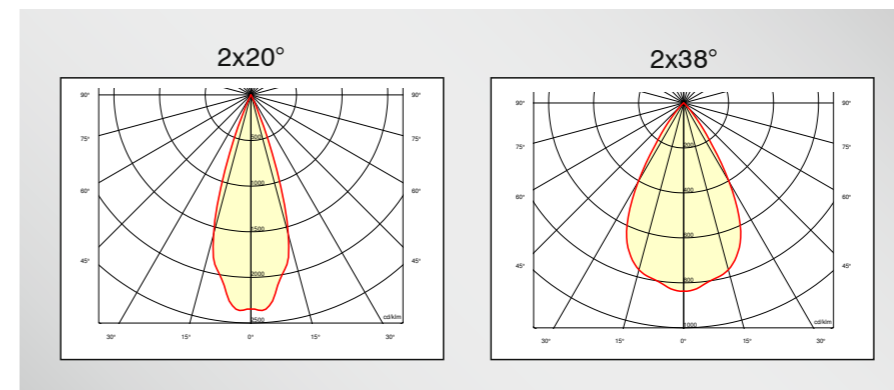
Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

\*5700K nur CRI 80/ 5700K only CRI 80

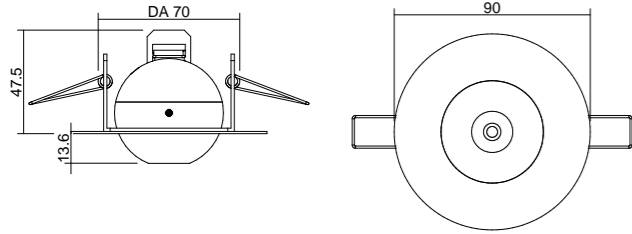
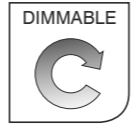
# LFO SPOT EINBAU/RECESSED



Lichtpunktabstand/Light point distance:	n/a
Treiber/Driver:	Extern/External
Leistung/Wattage:	1W - 4W
Lichtstrom/Luminous Flux:	117 lm - 404 lm
Lichtverteilung/Beam angle:	2x20°, 2x38°
Wirkungsgrad/Efficiency:	>85%
Farbtemperatur/Color Temperature:	2200K - 5700K
CRI:	>80, >90
Schutzklasse/Protection Class:	3
IP-Schutz/IP-Protection:	IP20
Oberfläche Gehäuse/Casing Finish:	Pulverbeschichtet/Powder Coated
Sonderausführung/Custom versions:	Auf Anfrage/On request



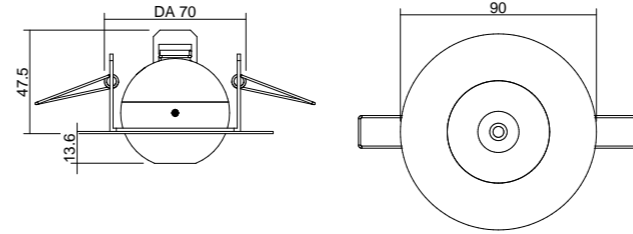
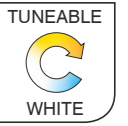
# MONO



Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux			
	001 = 1W	015 = 1,5W	002 = 2W	004 = 4W
1365	117 lm	160 lm	213 lm	404 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

# TUNEABLE WHITE



Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux
	002 = 2W
1366	101 lm / 161 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



ARTIKELNUMMER / ARTICLE NUMBER:

Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1365	001 = 1W	X = Ohne/None	B = 2x20°	27 = 2700K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
	015 = 1,5W	Y = DALI	F = 2x38°	30 = 3000K	9 = 90	02 = RAL 9006 ●	
	002 = 2W	Z = On/Off		35 = 3500K		03 = RAL 9005 ●	
	004 = 4W			40 = 4000K		04 = RAL 7016 ●	
				50 = 5000K*		05 = DB703 ●	
			57 = 5700K*				

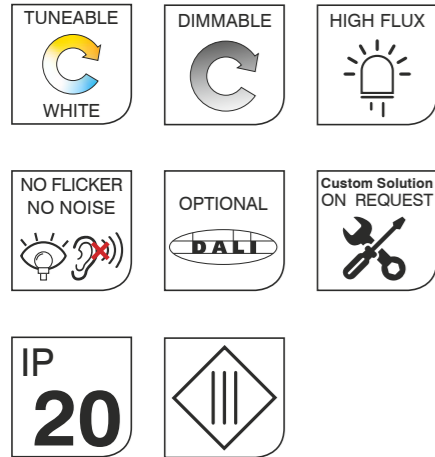
Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible  
 \* 5000K und 5700K nur CRI 80/ 5000K and 5700K only CRI 80

ARTIKELNUMMER / ARTICLE NUMBER:

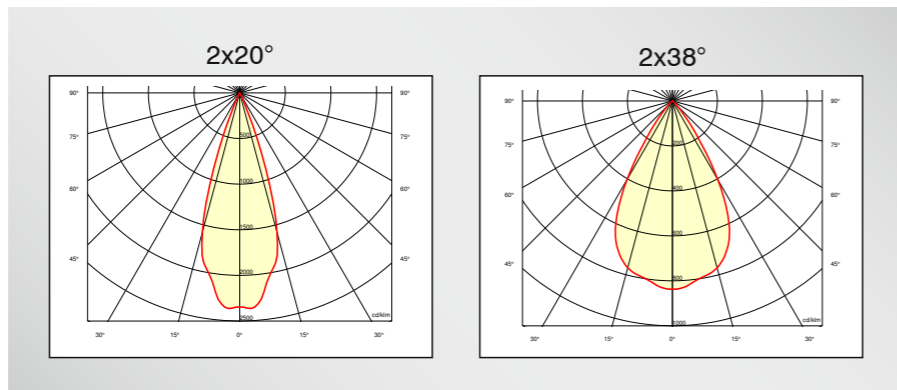
Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1366	002 = 2W	X = Ohne/None	B = 2x20°	T1 = 2200K - 4000K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
		W = DALI DT8	F = 2x38°	T2 = 2200K - 4500K	9 = 90	02 = RAL 9006 ●	
			T3 = 2200K - 5000K		03 = RAL 9005 ●		
			T4 = 2200K - 5700K*		04 = RAL 7016 ●		
			T5 = 2700K - 4000K		05 = DB703 ●		
			T6 = 2700K - 4500K				
			T7 = 2700K - 5000K				
			T8 = 2700K - 5700K*				

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible  
 \* 5700K nur CRI 80/ 5700K only CRI 80

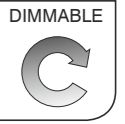
# LFO SOLO EINBAU/RECESSED



Lichtpunktabstand/Light point distance:	n/a
Treiber/Driver:	Extern/External
Leistung/Wattage:	1W – 8W
Lichtstrom/Luminous Flux:	105lm – 686lm
Lichtverteilung/Beam angle:	2x20°, 2x38°
Wirkungsgrad/Efficiency:	> 85%
Farbtemperatur/Color Temperature:	2200K – 5700K
CRI:	>80, >90
Schutzklasse/Protection Class:	3
IP-Schutz/IP-Protection:	IP20
Oberfläche Gehäuse/Casing Finish:	Pulverbeschichtet/Powder Coated
Sonderausführung/Custom versions:	Auf Anfrage/On request

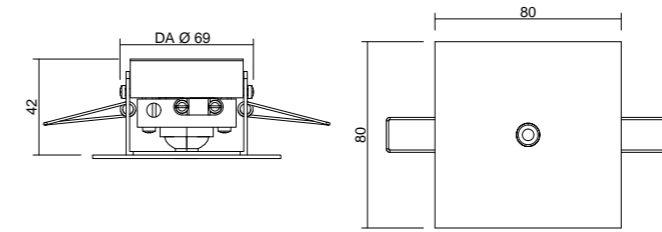


# LFO SOLO EINBAU/RECESSED



## MONO

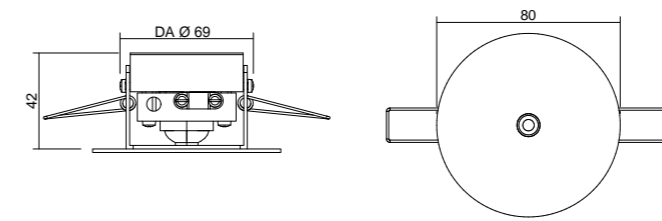
### LFO SOLO EINBAU/RECESSED



Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux		
	001 = 1W	015 = 1,5W	002 = 2W
1367	117 lm	160 lm	213 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

### LFO SOLO RUND EINBAU/RECESSED



Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux		
	001 = 1W	015 = 1,5W	002 = 2W
1370	117 lm	160 lm	213 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

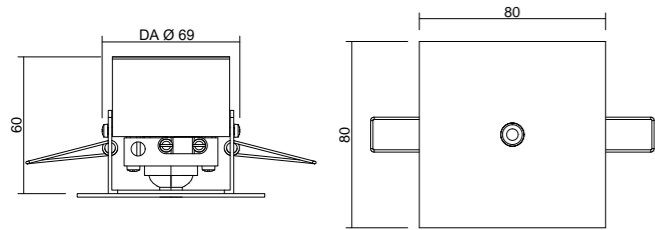
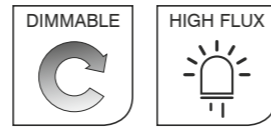


ARTIKELNUMMER / ARTICLE NUMBER:

Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1367	001 = 1W	X = Ohne/None	B = 2x20°	27 = 2700K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
1370	015 = 1,5W	Y = DALI	F = 2x38°	30 = 3000K	9 = 90	02 = RAL 9006 ●	
	002 = 2W	Z = On/Off		35 = 3500K		03 = RAL 9005 ●	
				40 = 4000K		04 = RAL 7016 ●	
				50 = 5000K*		05 = DB703 ●	
				57 = 5700K*			

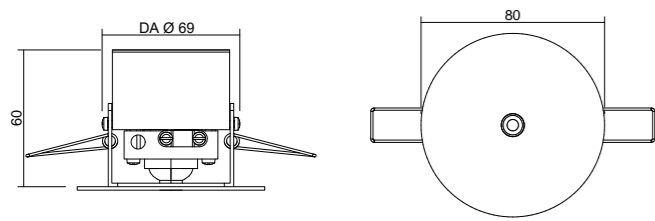
Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible  
\*5000K und 5700K nur CRI 80/ 5000K and 5700K only CRI 80

# HIGH FLUX



Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux		
	004 = 4W	006 = 6W	008 = 8W
1368	404 lm	544 lm	686 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux		
	004 = 4W	006 = 6W	008 = 8W
1371	404 lm	544 lm	686 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



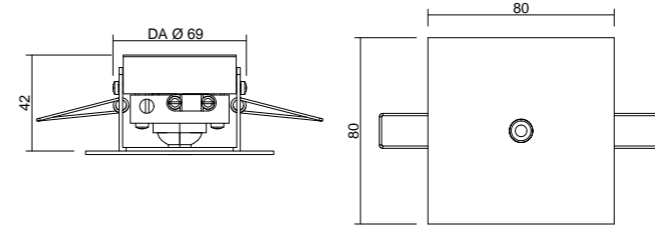
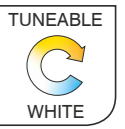
ARTIKELNUMMER / ARTICLE NUMBER:



Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1368	004 = 4W	X = Ohne/None	B = 2x20°	27 = 2700K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
1371	006 = 6W	Y = DALI	F = 2x38°	30 = 3000K	9 = 90	02 = RAL 9006 ●	
	008 = 8W	Z = On/Off		35 = 3500K		03 = RAL 9005 ●	
				40 = 4000K		04 = RAL 7016 ●	
				50 = 5000K		05 = DB703 ●	
				57 = 5700K			

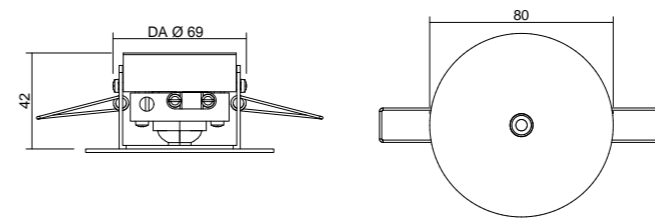
Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

# TUNEABLE WHITE



Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux	
	002 = 2W	
1369	101 lm / 116 lm	

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux	
	002 = 2W	
1372	101 lm / 116 lm	

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



ARTIKELNUMMER / ARTICLE NUMBER:



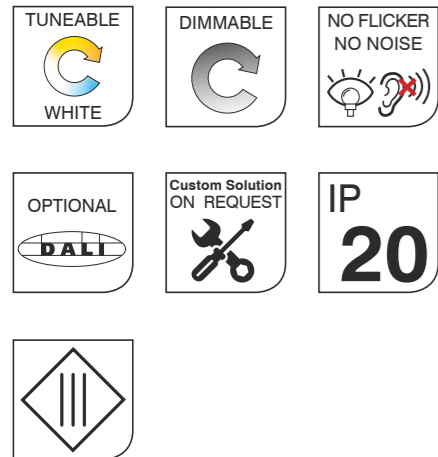
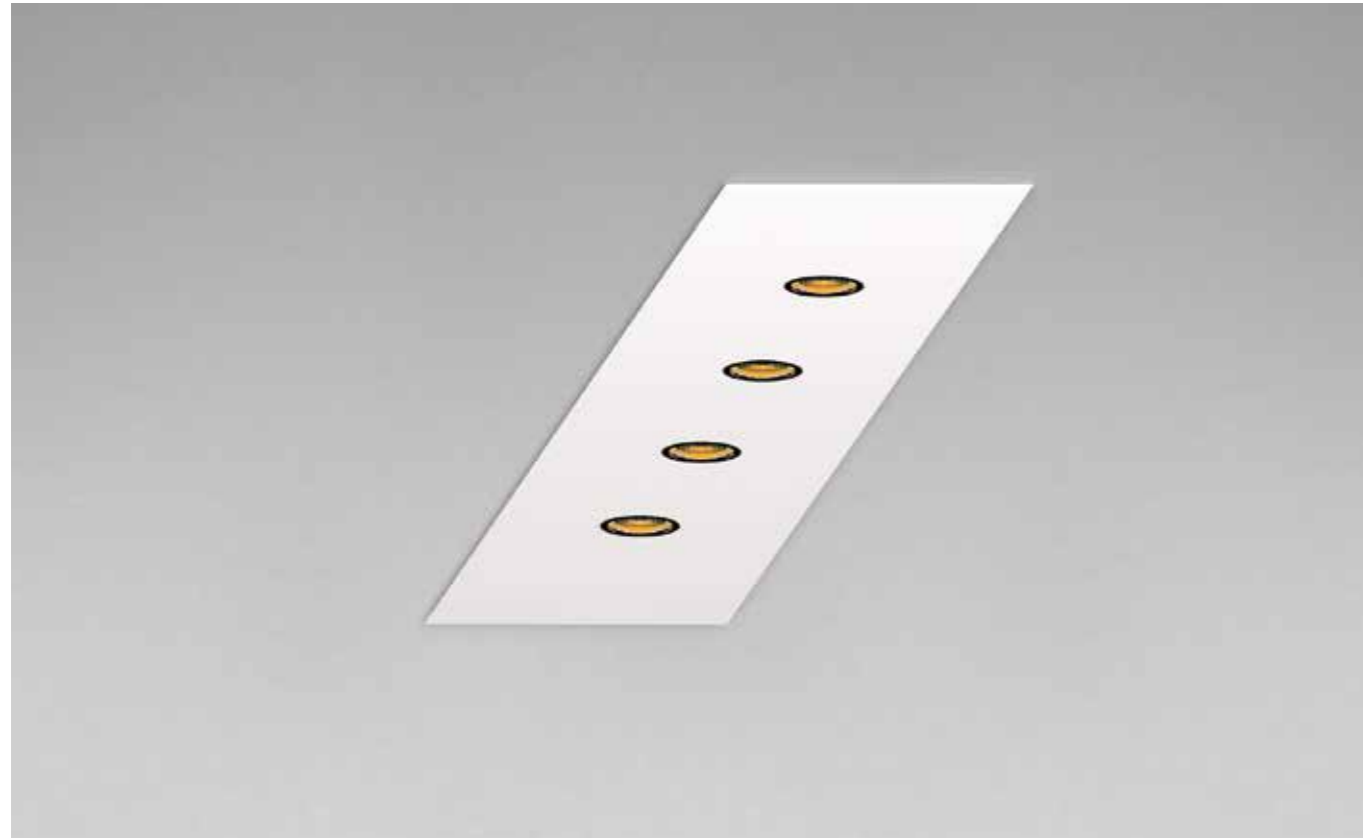
Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1369	002 = 2W	X = Ohne/None	B = 2x20°	T1 = 2200K - 4000K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
1372		W = DALI DT8	F = 2x38°	T2 = 2200K - 4500K	9 = 90	02 = RAL 9006 ●	
				T3 = 2200K - 5000K		03 = RAL 9005 ●	
				T4 = 2200K - 5700K*		04 = RAL 7016 ●	
				T5 = 2700K - 4000K		05 = DB703 ●	
				T6 = 2700K - 4500K			
				T7 = 2700K - 5000K			
				T8 = 2700K - 5700K*			

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

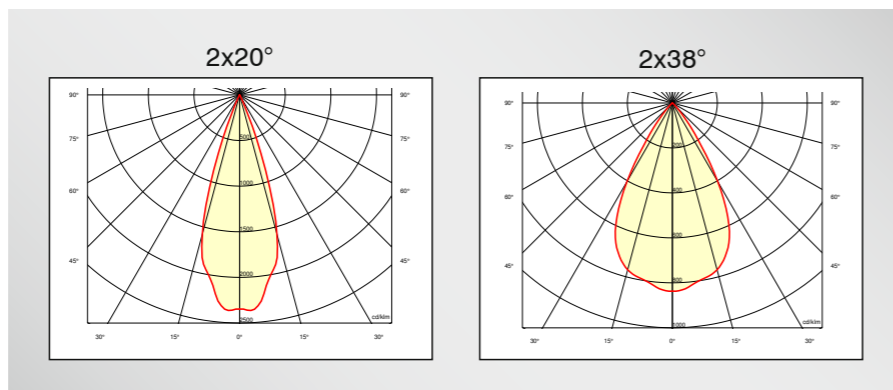
\*5700K nur CRI 80/ 5700K only CRI 80



# LFO 1x4 EINBAU/RECESSED

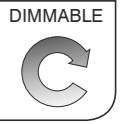


Lichtpunktabstand/Light point distance:	50mm
Treiber/Driver:	Extern/External
Leistung/Wattage:	4W – 8W
Lichtstrom/Luminous Flux:	468 lm – 852 lm
Lichtverteilung/Beam angle:	2x20°, 2x38°
Wirkungsgrad/Efficiency:	> 85%
Farbtemperatur/Color Temperature:	2200K – 5700K
CRI:	>80, >90
Schutzklasse/Protection Class:	3
IP-Schutz/IP-Protection:	IP20
Oberfläche Gehäuse/Casing Finish:	Pulverbeschichtet/Powder Coated
Sonderausführung/Custom versions:	Auf Anfrage/On request



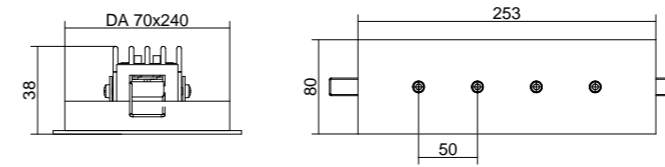
# LFO 1x4 EINBAU/RECESSED

## MONO



### LFO 1x4 EINBAU/RECESSED LP50

Lichtpunktabstand 50mm/Light point distance 50mm



Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux		
	041 = 4x1W	045 = 4x1,5W	042 = 4x2W
1375	468 lm	640 lm	852 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

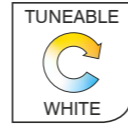


ARTIKELNUMMER / ARTICLE NUMBER:

Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1375	041 = 4x1W	X = Ohne/None	B = 2x20°	27 = 2700K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
	045 = 4x1,5W	Y = DALI	F = 2x38°	30 = 3000K	9 = 90	02 = RAL 9006 ●	
	042 = 4x2W	Z = On/Off		35 = 3500K		03 = RAL 9005 ●	
				40 = 4000K		04 = RAL 7016 ●	
				50 = 5000K*		05 = DB703 ●	
				57 = 5700K*			

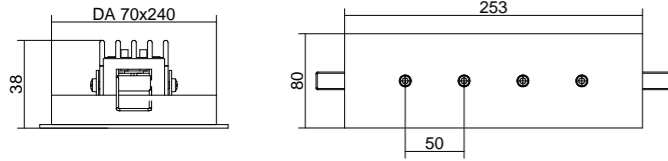
Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible  
\*5000K und 5700K nur CRI 80/ 5000K and 5700K only CRI 80

# TUNEABLE WHITE



LFO 1x4 EINBAU/RECESSED LP50

Lichtpunktstand 50mm/Light point distance 50mm



Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux
1378	042 = 4x2W 404 lm / 464 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



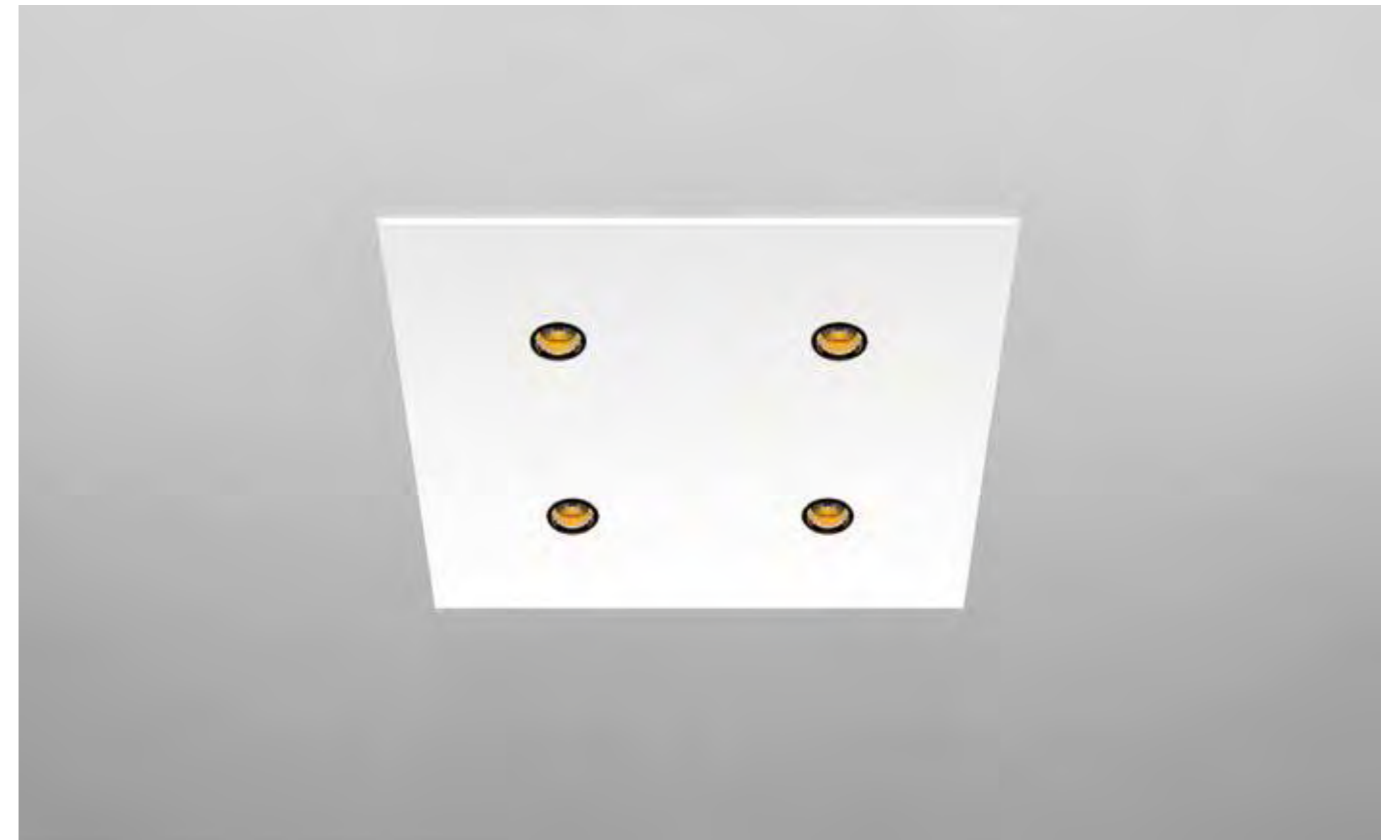
ARTIKELNUMMER / ARTICLE NUMBER:



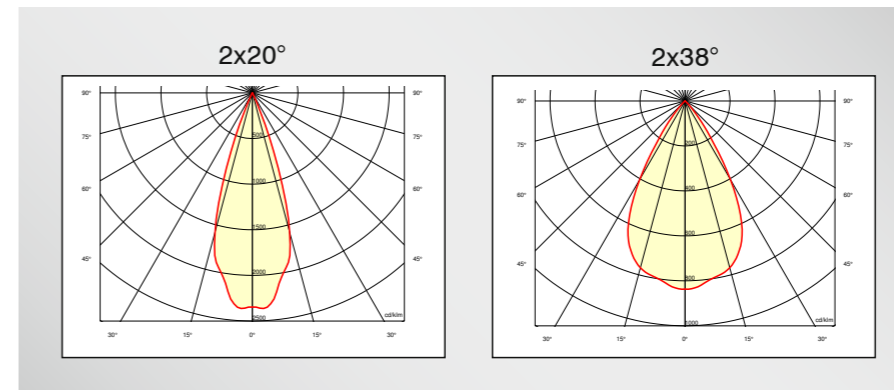
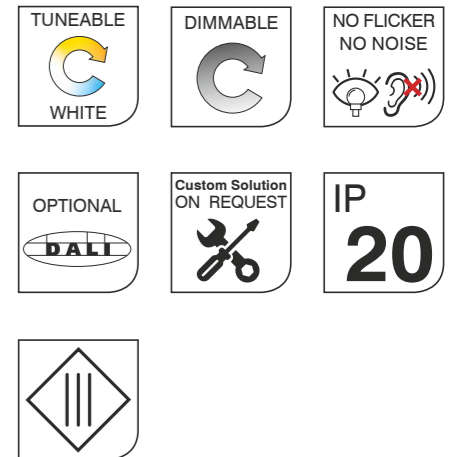
Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1378	042 = 4x2W	X = Ohne/None	B = 2x20°	T1 = 2200K - 4000K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
		W = DALI DT8	F = 2x38°	T2 = 2200K - 4500K	9 = 90	02 = RAL 9006 ●	
				T3 = 2200K - 5000K		03 = RAL 9005 ●	
				T4 = 2200K - 5700K*		04 = RAL 7016 ●	
				T5 = 2700K - 4000K		05 = DB703 ●	
				T6 = 2700K - 4500K			
				T7 = 2700K - 5000K			
				T8 = 2700K - 5700K*			

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

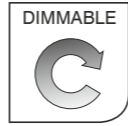
\*5700K nur CRI 80/ 5700K only CRI 80



Lichtpunktstand/Light point distance:	50mm
Treiber/Driver:	Extern/External
Leistung/Wattage:	4W - 8W
Lichtstrom/Luminous Flux:	468lm - 852lm
Lichtverteilung/Beam angle:	2x20°, 2x38°
Wirkungsgrad/Efficiency:	> 85%
Farbtemperatur/Color Temperature:	2200K - 5700K
CRI:	>80, >90
Schutzklasse/Protection Class:	3
IP-Schutz/IP-Protection:	IP20
Oberfläche Gehäuse/Casing Finish:	Pulverbeschichtet/Powder Coated
Sonderausführung/Custom versions:	Auf Anfrage/On request

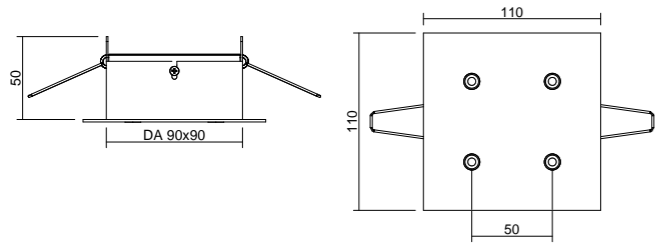


MONO



LFO 2x2 EINBAU/RECESSED LP50

Lichtpunktabstand 50mm/Light point distance 50mm

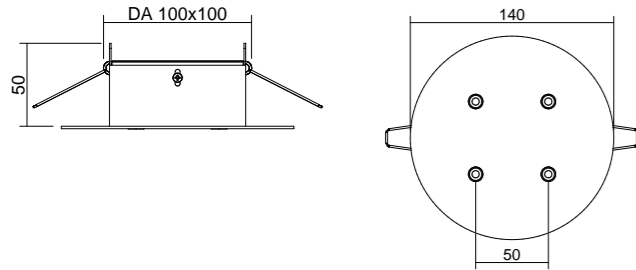


Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux		
	041 = 4x1W	045 = 4x1,5W	042 = 4x2W
1387	468 lm	640 lm	852 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

LFO 2x2 ROUND EINBAU/RECESSED LP50

Lichtpunktabstand 50mm/Light point distance 50mm



Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux		
	041 = 4x1W	045 = 4x1,5W	042 = 4x2W
1393	468 lm	640 lm	852 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



ARTIKELNUMMER / ARTICLE NUMBER:



Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1387	041 = 4x1W	X = Ohne/None	B = 2x20°	27 = 2700K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
1393	045 = 4x1,5W	Y = DALI	F = 2x38°	30 = 3000K	9 = 90	02 = RAL 9006 ●	
	042 = 4x2W	Z = On/Off		35 = 3500K		03 = RAL 9005 ●	
				40 = 4000K		04 = RAL 7016 ●	
				50 = 5000K*		05 = DB703 ●	
				57 = 5700K*			

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

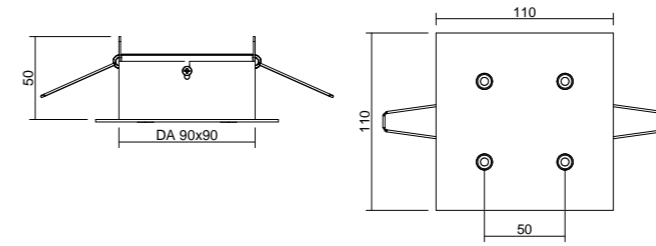
\* 5000K und 5700K nur CRI 80/ 5000K and 5700K only CRI 80

TUNEABLE WHITE



LFO 2x2 EINBAU/RECESSED LP50

Lichtpunktabstand 50mm/Light point distance 50mm

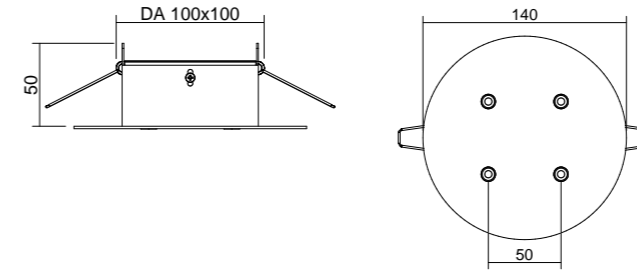


Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux
	042 = 4x2W
1390	404 lm / 464 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

LFO 2x2 ROUND EINBAU/RECESSED LP50

Lichtpunktabstand 50mm/Light point distance 50mm



Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux
	042 = 4x2W
1396	404 lm / 464 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



ARTIKELNUMMER / ARTICLE NUMBER:

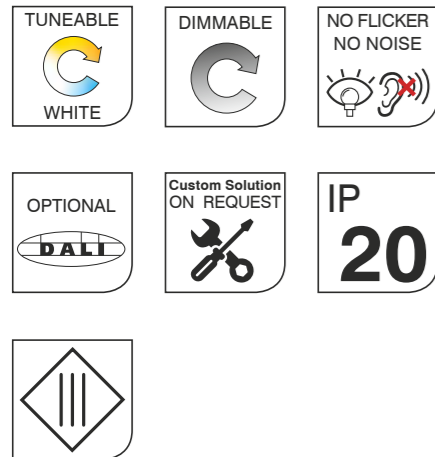
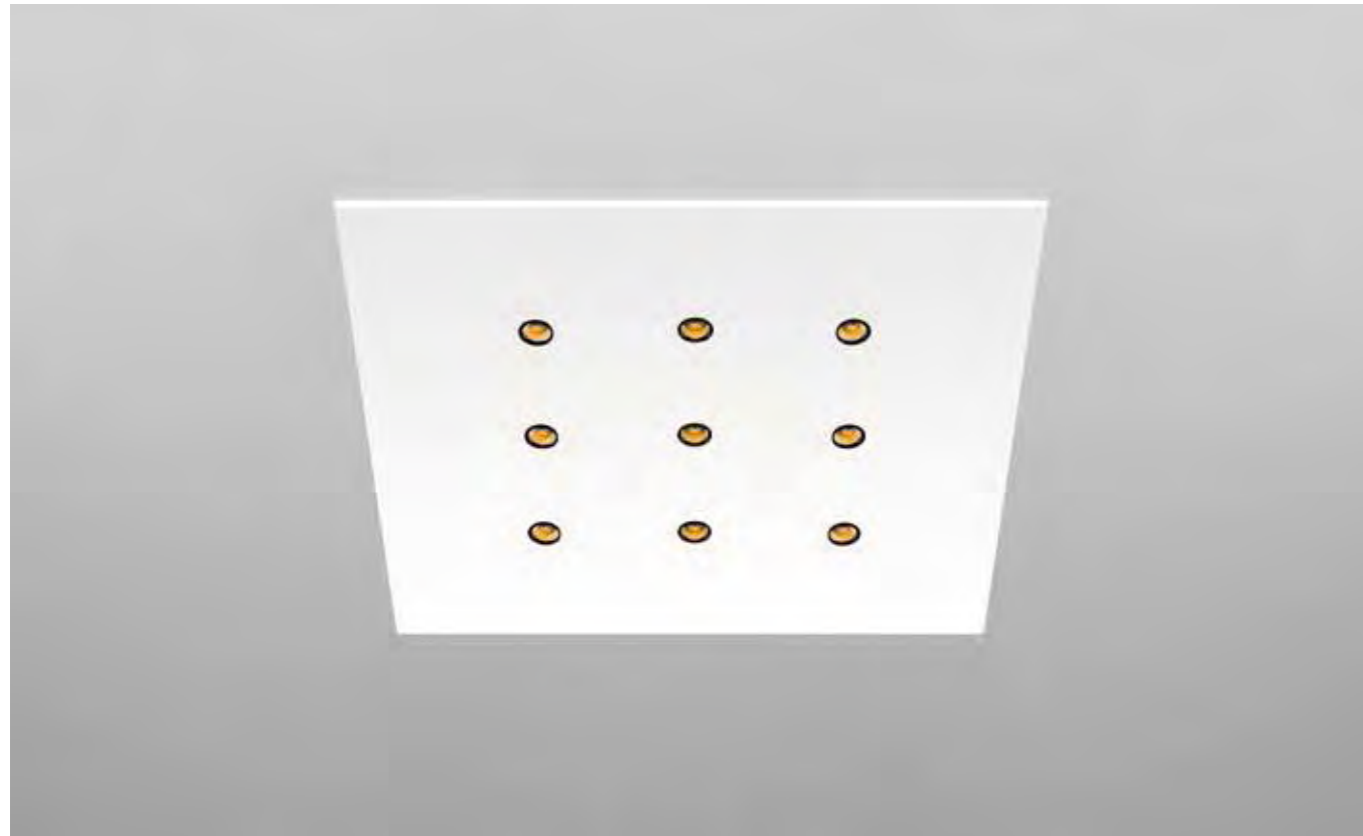


Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1389	042 = 4x2W	X = Ohne/None	B = 2x20°	T1 = 2200K - 4000K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
1396		W = DALI DT8	F = 2x38°	T2 = 2200K - 4500K	9 = 90	02 = RAL 9006 ●	
				T3 = 2200K - 5000K		03 = RAL 9005 ●	
				T4 = 2200K - 5700K*		04 = RAL 7016 ●	
				T5 = 2700K - 4000K		05 = DB703 ●	
				T6 = 2700K - 4500K			
				T7 = 2700K - 5000K			
				T8 = 2700K - 5700K*			

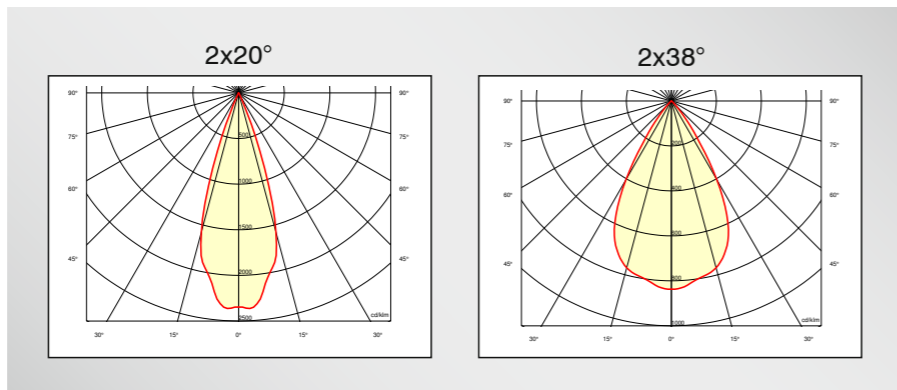
Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

\* 5700K nur CRI 80/ 5700K only CRI 80

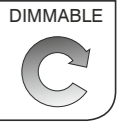
# LFO 3x3 EINBAU/RECESSED



Lichtpunktabstand/Light point distance:	25mm, 50mm
Treiber/Driver:	Extern/External
Leistung/Wattage:	9W – 18W
Lichtstrom/Luminous Flux:	1053 lm – 1917 lm
Lichtverteilung/Beam angle:	2x20°, 2x38°
Wirkungsgrad/Efficiency:	>85%
Farbtemperatur/Color Temperature:	2200K – 5700K
CRI:	>80, >90
Schutzklasse/Protection Class:	3
IP-Schutz/IP-Protection:	IP20
Oberfläche Gehäuse/Casing Finish:	Pulverbeschichtet/Powder Coated
Sonderausführung/Custom versions:	Auf Anfrage/On request



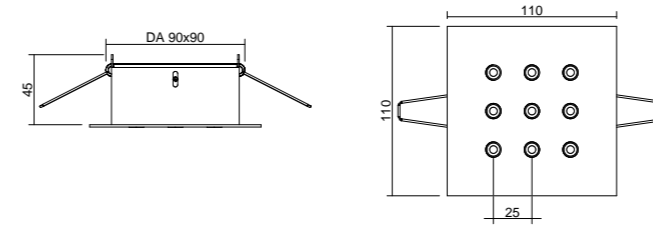
# LFO 3x3 EINBAU/RECESSED



## MONO

### LFO 3x3 EINBAU/RECESSED LP25

Lichtpunktabstand 25mm/Light point distance 25mm

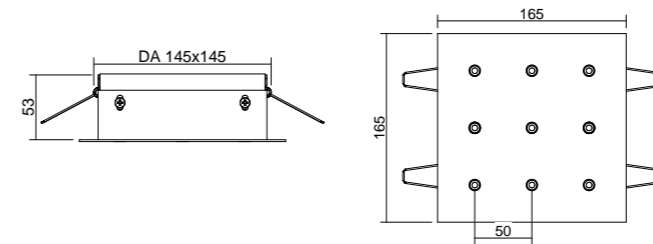


Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux		
	091 = 9x1W	095 = 9x1,5W	092 = 9x2W
1397	1053 lm	1440 lm	1917 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

### LFO 3x3 EINBAU/RECESSED LP50

Lichtpunktabstand 50mm/Light point distance 50mm

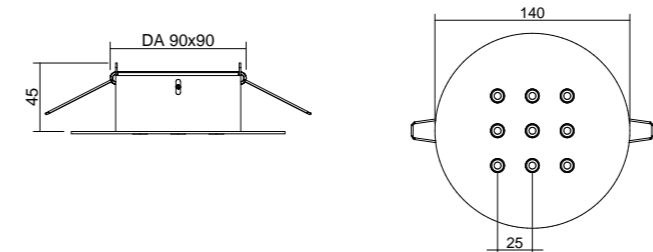


Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux		
	091 = 9x1W	095 = 9x1,5W	092 = 9x2W
1399	1053 lm	1440 lm	1917 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

### LFO 3x3 ROUND EINBAU/RECESSED LP25

Lichtpunktabstand 25mm/Light point distance 25mm

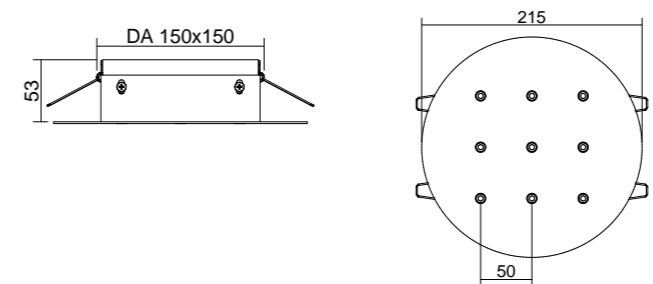


Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux		
	091 = 9x1W	095 = 9x1,5W	092 = 9x2W
1403	1053 lm	1440 lm	1917 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

### LFO 3x3 ROUND EINBAU/RECESSED LP50

Lichtpunktabstand 50mm/Light point distance 50mm



Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux		
	091 = 9x1W	095 = 9x1,5W	092 = 9x2W
1405	1053 lm	1440 lm	1917 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



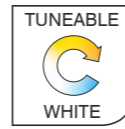
ARTIKELNUMMER / ARTICLE NUMBER:



Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1397	091 = 9x1W	X = Ohne/None	B = 2x20°	27 = 2700K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
1399	095 = 9x1,5W	Y = DALI	F = 2x38°	30 = 3000K	9 = 90	02 = RAL 9006 ●	
1403	092 = 9x2W	Z = On/Off		35 = 3500K		03 = RAL 9005 ●	
1405				40 = 4000K		04 = RAL 7016 ●	
				50 = 5000K*		05 = DB703 ●	
				57 = 5700K*			

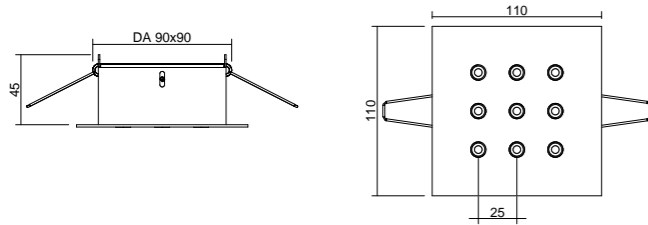
Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible  
\*5000K und 5700K nur CRI 80/ 5000K and 5700K only CRI 80

# TUNEABLE WHITE



## LFO 3x3 EINBAU/RECESSED LP25

Lichtpunktabstand 25mm/Light point distance 25mm

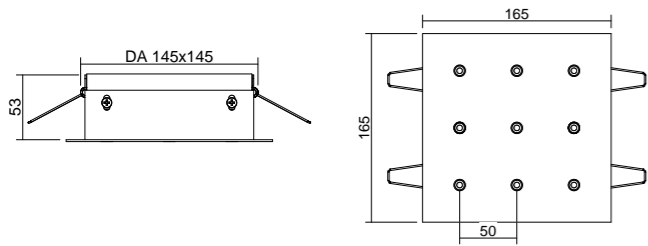


Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux
1401	092 = 9x2W 909 lm / 1044 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

## LFO 3x3 EINBAU/RECESSED LP50

Lichtpunktabstand 50mm/Light point distance 50mm

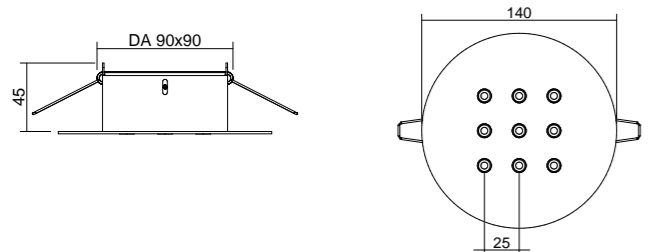


Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux
1402	092 = 9x2W 909 lm / 1044 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

## LFO 3x3 ROUND EINBAU/RECESSED LP25

Lichtpunktabstand 25mm/Light point distance 25mm

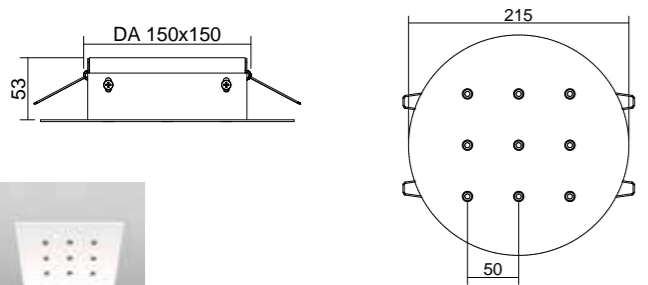


Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux
1407	092 = 9x2W 909 lm / 1044 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

## LFO 3x3 ROUND EINBAU/RECESSED LP50

Lichtpunktabstand 50mm/Light point distance 50mm



Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux
1408	092 = 9x2W 909 lm / 1044 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



ARTIKELNUMMER / ARTICLE NUMBER:



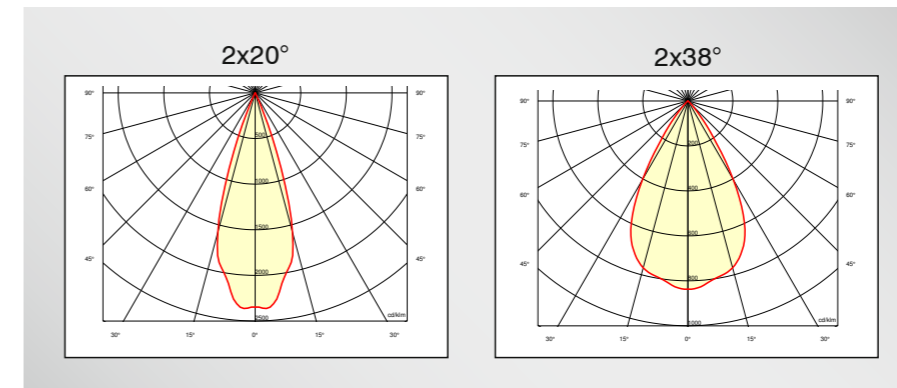
Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1401	092 = 9x2W	X = Ohne/None	B = 2x20°	T1 = 2200K - 4000K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
1402		W = DALI DT8	F = 2x38°	T2 = 2200K - 4500K	9 = 90	02 = RAL 9006 ●	
1407				T3 = 2200K - 5000K		03 = RAL 9005 ●	
1408				T4 = 2200K - 5700K*		04 = RAL 7016 ●	
				T5 = 2700K - 4000K		05 = DB703 ●	
				T6 = 2700K - 4500K			
				T7 = 2700K - 5000K			
				T8 = 2700K - 5700K*			

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

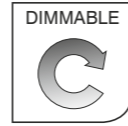
\*5700K nur CRI 80/ 5700K only CRI 80



Lichtpunktabstand/Light point distance:	25mm, 50mm, 100mm
Treiber/Driver:	Extern/External
Leistung/Wattage:	5W – 120W
Lichtstrom/Luminous Flux:	585 lm – 12780 lm
Lichtverteilung/Beam angle:	2x20°, 2x38°
Wirkungsgrad/Efficiency:	> 85%
Farbtemperatur/Color Temperature:	2200K – 5700K
CRI:	> 80, > 90
Schutzklasse/Protection Class:	3
IP-Schutz/IP-Protection:	IP20
Oberfläche Gehäuse/Casing Finish:	Pulverbeschichtet/Powder Coated
Sonderausführung/Custom versions:	Auf Anfrage/On request

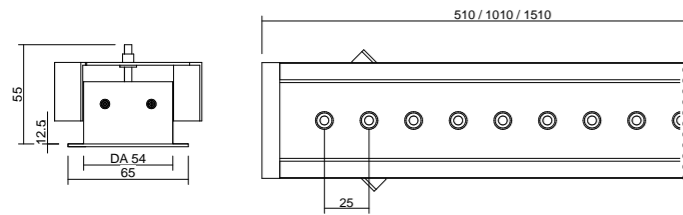


# MONO



## LFO LINE 35 EINBAU/RECESSED LP25 (40 LEDS/m)

Lichtpunktabstand 25mm/Light point distance 25mm

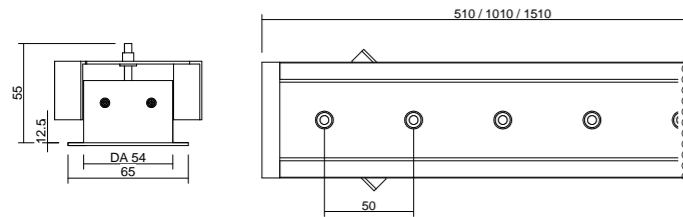


Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux		
	001 = 1W / LED	015 = 1,5W / LED	002 = 2W / LED
1427 = 510mm	20W / 2340 lm	30W / 3200 lm	40W / 4260 lm
1428 = 1010mm	40W / 4680 lm	60W / 6400 lm	80W / 8520 lm
1429 = 1510mm	60W / 7020 lm	90W / 9600 lm	120W / 12780 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

## LFO LINE 35 EINBAU/RECESSED LP50 (20 LEDS/m)

Lichtpunktabstand 50mm/Light point distance 50mm

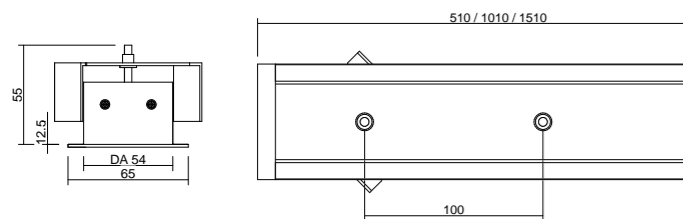


Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux		
	001 = 1W / LED	015 = 1,5W / LED	002 = 2W / LED
1430 = 510mm	10W / 1170 lm	15W / 1600 lm	20W / 2130 lm
1431 = 1010mm	20W / 2340 lm	30W / 3200 lm	40W / 4260 lm
1432 = 1510mm	30W / 3510 lm	45W / 4800 lm	60W / 6390 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

## LFO LINE 35 EINBAU/RECESSED LP100 (10 LEDS/m)

Lichtpunktabstand 100mm/Light point distance 100mm



Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux		
	001 = 1W / LED	015 = 1,5W / LED	002 = 2W / LED
1433 = 510mm	5W / 585 lm	8W / 800 lm	10W / 1065 lm
1434 = 1010mm	10W / 1170 lm	15W / 1600 lm	20W / 2130 lm
1435 = 1510mm	15W / 1755 lm	23W / 2400 lm	30W / 3195 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



ARTIKELNUMMER / ARTICLE NUMBER:

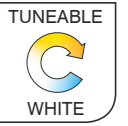


Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1427	001 = 1W	X = Ohne/None	B = 2x20°	27 = 2700K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
1428	015 = 1,5W	Y = DALI	F = 2x38°	30 = 3000K	9 = 90	02 = RAL 9006 ●	
1429	002 = 2W	Z = On/Off		35 = 3500K		03 = RAL 9005 ●	
1430				40 = 4000K		04 = RAL 7016 ●	
1431				50 = 5000K*		05 = DB703 ●	
1432				57 = 5700K*			
1433							
1434							
1435							

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

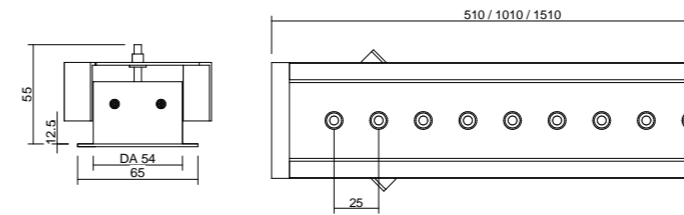
\*5000K und 5700K nur CRI 80/ 5000K and 5700K only CRI 80

# TUNEABLE WHITE



## LFO LINE 35 EINBAU/RECESSED LP25 (40 LEDS/m)

Lichtpunktabstand 25mm/Light point distance 25mm

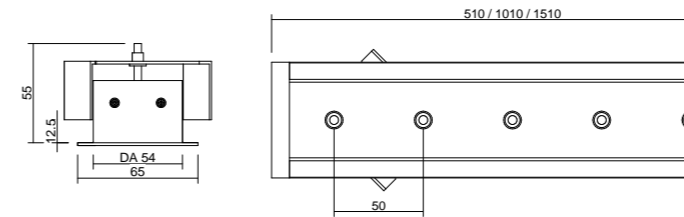


Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux
	002 = max. 2W per Lichtpunkt / Light point
1436 = 510mm	40W / (2020 lm / 2320 lm)
1437 = 1010mm	80W / (4040 lm / 4640 lm)
1438 = 1510mm	120W / (6060 lm / 6960 lm)

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

## LFO LINE 35 EINBAU/RECESSED LP50 (20 LEDS/m)

Lichtpunktabstand 50mm/Light point distance 50mm

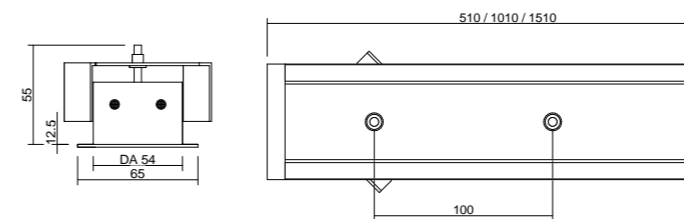


Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux
	002 = max. 2W per Lichtpunkt / Light point
1439 = 510mm	20W / (1010 lm / 1160 lm)
1440 = 1010mm	40W / (2020 lm / 2320 lm)
1441 = 1510mm	60W / (3030 lm / 3480 lm)

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

## LFO LINE 35 EINBAU/RECESSED LP100 (10 LEDS/m)

Lichtpunktabstand 100mm/Light point distance 100mm



Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux
	002 = max. 2W per Lichtpunkt / Light point
1442 = 510mm	10W / (505 lm / 580 lm)
1443 = 1010mm	20W / (1010 lm / 1160 lm)
1444 = 1510mm	30W / (1515 lm / 1740 lm)

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



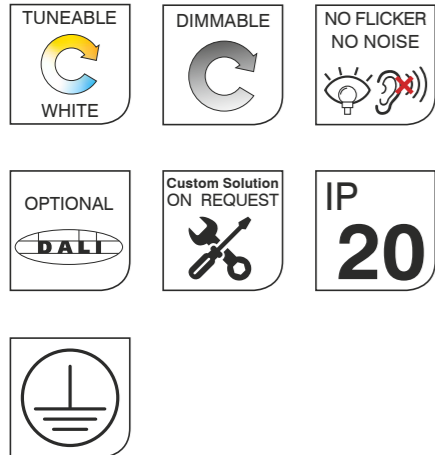
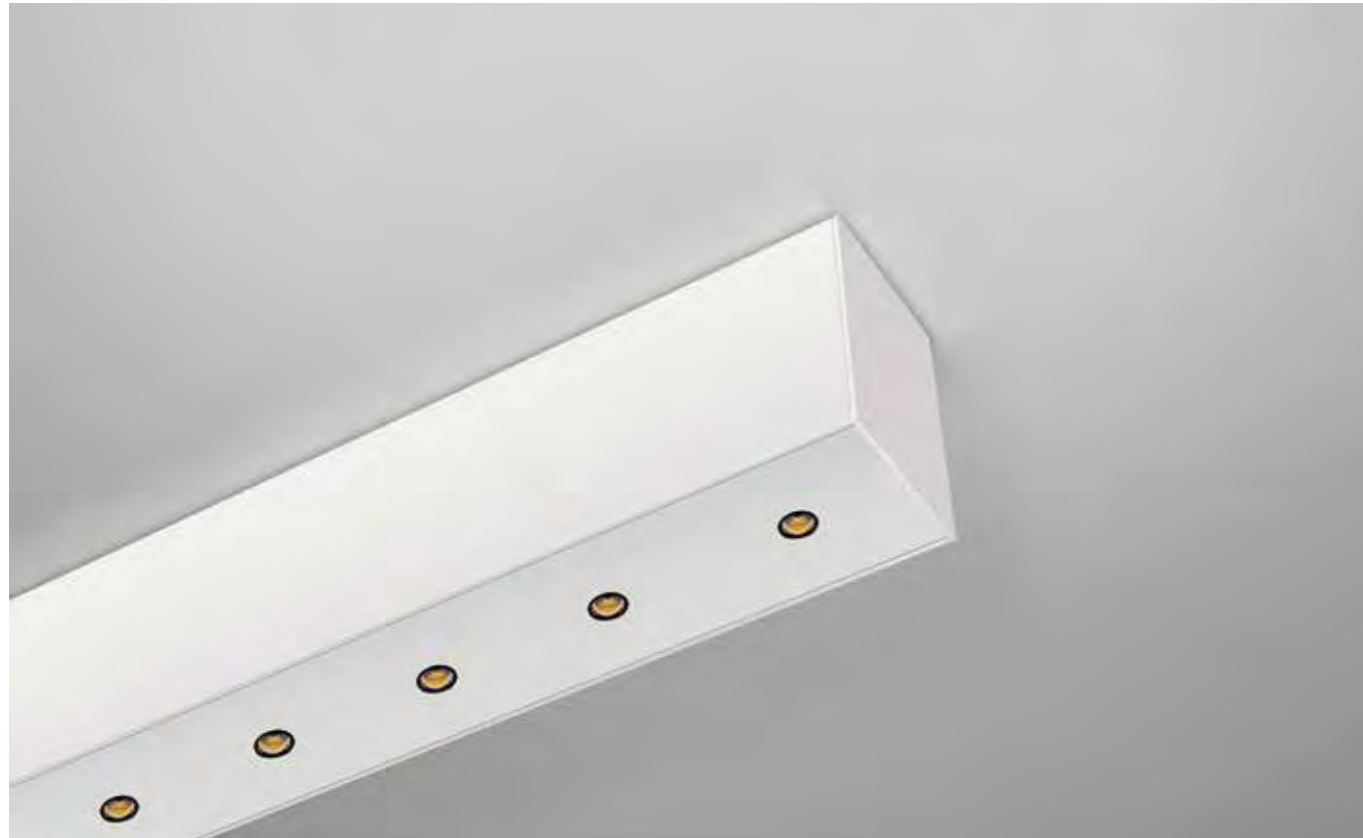
ARTIKELNUMMER / ARTICLE NUMBER:



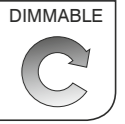
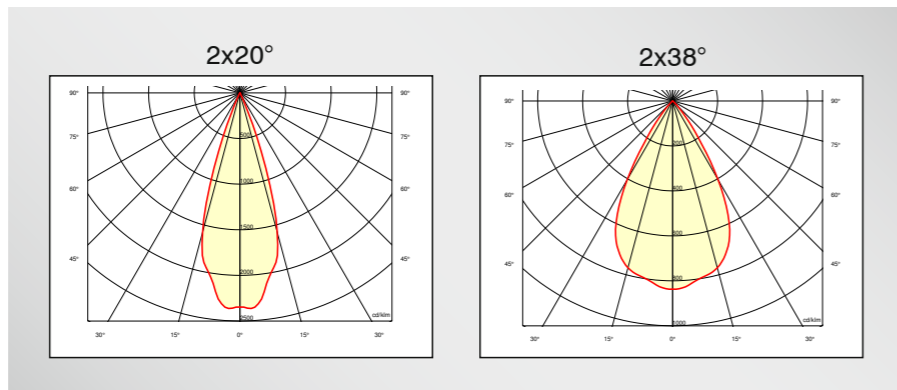
Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1436	002 = 2W	X = Ohne/None	B = 2x20°	T1 = 2200K - 4000K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
1437		W = DALI DT8	F = 2x38°	T2 = 2200K - 4500K	9 = 90	02 = RAL 9006 ●	
1438				T3 = 2200K - 5000K		03 = RAL 9005 ●	
1439				T4 = 2200K - 5700K*		04 = RAL 7016 ●	
1440				T5 = 2700K - 4000K		05 = DB703 ●	
1441				T6 = 2700K - 4500K			
1442				T7 = 2700K - 5000K			
1443				T8 = 2700K - 5700K*			
1444							

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

\*5700K nur CRI 80/ 5700K only CRI 80

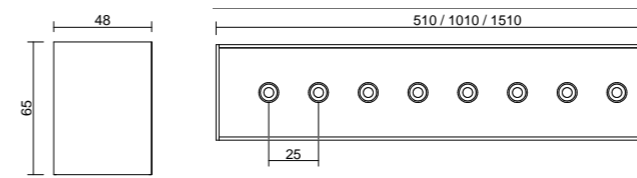


Lichtpunktabstand/Light point distance:	25mm, 50mm, 100mm
Treiber/Driver:	Integriert/Integrated
Leistung/Wattage:	5W – 120W
Lichtstrom/Luminous Flux:	585 lm – 12780 lm
Lichtverteilung/Beam angle:	2x20°, 2x38°
Wirkungsgrad/Efficiency:	>85%
Farbtemperatur/Color Temperature:	2200K – 5700K
CRI:	>80, >90
Schutzklasse/Protection Class:	1
IP-Schutz/IP-Protection:	IP20
Oberfläche Gehäuse/Casing Finish:	Pulverbeschichtet/Powder Coated
Sonderausführung/Custom versions:	Auf Anfrage/On request



MONO

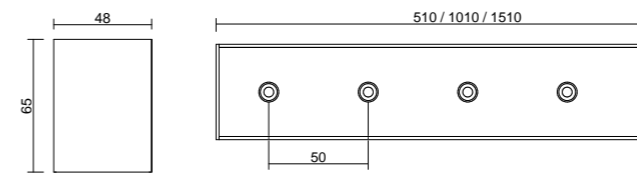
LFO LINE 65 ANBAU/SURFACE MOUNTED LP25 (40 LEDs/m) Lichtpunktabstand 25mm/Light point distance 25mm



Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux		
	001 = 1W / LED	015 = 1,5W/LED	002 = 2W / LED
1505 = 510mm	20W / 2340 lm	30W / 3200 lm	40W / 4260 lm
1506 = 1010mm	40W / 4680 lm	60W / 6400 lm	80W / 8520 lm
1507 = 1510mm	60W / 7020 lm	90W / 9600 lm	120W / 12780 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

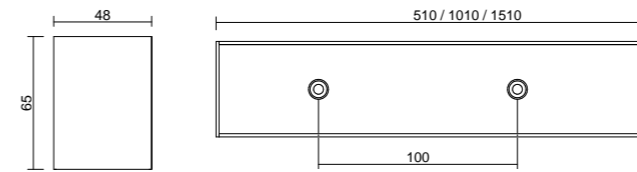
LFO LINE 65 ANBAU/SURFACE MOUNTED LP50 (20 LEDs/m) Lichtpunktabstand 50mm/Light point distance 50mm



Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux		
	001 = 1W / LED	015 = 1,5W/LED	002 = 2W / LED
1508 = 510mm	10W / 1170 lm	15W / 1600 lm	20W / 2130 lm
1509 = 1010mm	20W / 2340 lm	30W / 3200 lm	40W / 4260 lm
1510 = 1510mm	30W / 3510 lm	45W / 4800 lm	60W / 6390 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

LFO LINE 65 ANBAU/SURFACE MOUNTED LP100 (10 LEDs/m) Lichtpunktabstand 100mm/Light point distance 100mm



Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux		
	001 = 1W / LED	015 = 1,5W/LED	002 = 2W / LED
1511 = 510mm	5W / 585 lm	8W / 800 lm	10W / 1065 lm
1512 = 1010mm	10W / 1170 lm	15W / 1600 lm	20W / 2130 lm
1513 = 1510mm	15W / 1755 lm	23W / 2400 lm	30W / 3195 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



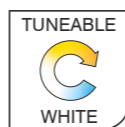
ARTIKELNUMMER / ARTICLE NUMBER:

Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1505	001 = 1W	X = Ohne/None	B = 2x20°	27 = 2700K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
1506	015 = 1,5W	Y = DALI	F = 2x38°	30 = 3000K	9 = 90	02 = RAL 9006 ●	
1507	002 = 2W	Z = On/Off		35 = 3500K		03 = RAL 9005 ●	
1508				40 = 4000K		04 = RAL 7016 ●	
1509				50 = 5000K*		05 = DB703 ●	
1510				57 = 5700K*			
1511							
1512							
1513							

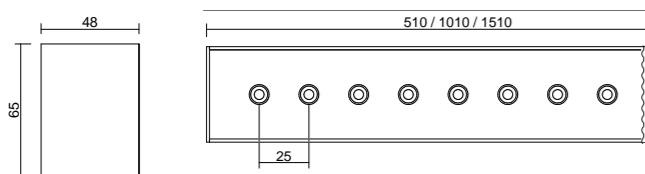
Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

\*5000K und 5700K nur CRI 80/ 5000K and 5700K only CRI 80

# TUNEABLE WHITE



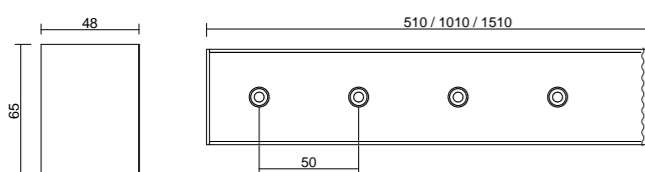
## LFO LINE 65 ANBAU/SURFACE MOUNTED LP25 (40 LEDS/m) Lichtpunktabstand 25mm/Light point distance 25mm



Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux 002 = max. 2W per Lichtpunkt / Light point
1514 = 510mm	40W / (2020 lm / 2320 lm)
1515 = 1010mm	80W / (4040 lm / 4640 lm)
1516 = 1510mm	120W / (6060 lm / 6960 lm)

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

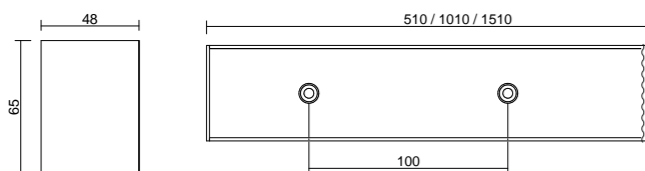
## LFO LINE 65 ANBAU/SURFACE MOUNTED LP50 (20 LEDS/m) Lichtpunktabstand 50mm/Light point distance 50mm



Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux 002 = max. 2W per Lichtpunkt / Light point
1517 = 510mm	20W / (1010 lm / 1160 lm)
1518 = 1010mm	40W / (2020 lm / 2320 lm)
1519 = 1510mm	60W / (3030 lm / 3480 lm)

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

## LFO LINE 65 ANBAU/SURFACE MOUNTED LP100 (10 LEDS/m) Lichtpunktabstand 100mm/Light point distance 100mm



Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux 002 = max. 2W per Lichtpunkt / Light point
1520 = 510mm	10W / (505 lm / 580 lm)
1521 = 1010mm	20W / (1010 lm / 1160 lm)
1522 = 1510mm	30W / (1515 lm / 1740 lm)

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



ARTIKELNUMMER / ARTICLE NUMBER:

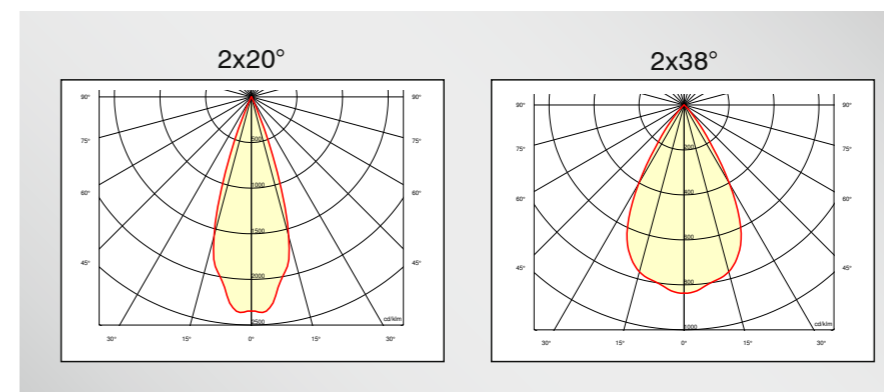
Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1514	002 = 2W	X = Ohne/None	B = 2x20°	T1 = 2200K - 4000K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
1515		W = DALI DT8	F = 2x38°	T2 = 2200K - 4500K	9 = 90	02 = RAL 9006 ●	
1516				T3 = 2200K - 5000K		03 = RAL 9005 ●	
1517				T4 = 2200K - 5700K*		04 = RAL 7016 ●	
1518				T5 = 2700K - 4000K		05 = DB703 ●	
1519				T6 = 2700K - 4500K			
1520				T7 = 2700K - 5000K			
1521				T8 = 2700K - 5700K*			
1522							

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

\*5700K nur CRI 80/ 5700K only CRI 80

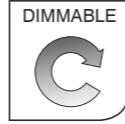


Lichtpunktabstand/Light point distance:	25mm, 50mm, 100mm
Treiber/Driver:	Integriert/Integrated
Leistung/Wattage:	5W – 120W
Lichtstrom/Luminous Flux:	585lm – 12780lm
Lichtverteilung/Beam angle:	2x20°, 2x38°
Wirkungsgrad/Efficiency:	>85%
Farbtemperatur/Color Temperature:	2200K – 5700K
CRI:	>80, >90
Schutzklasse/Protection Class:	1
IP-Schutz/IP-Protection:	IP20
Oberfläche Gehäuse/Casing Finish:	Pulverbeschichtet/Powder Coated
Sonderausführung/Custom versions:	Auf Anfrage/On request



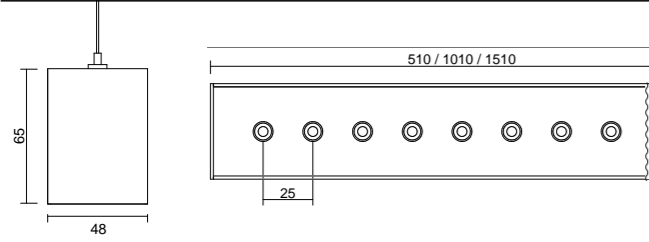


MONO



LFO LINE 65 PENDEL/PENDANT LP25 (40 LEDS/m)

Lichtpunktabstand 25mm/Light point distance 25mm

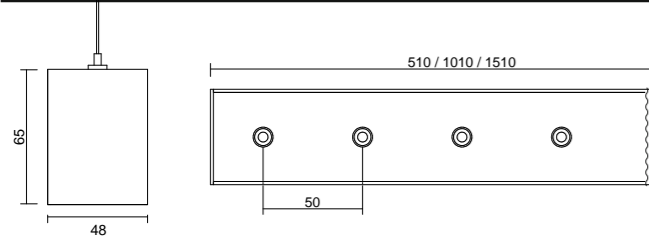


Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux		
	001 = 1W / LED	015 = 1,5W/LED	002 = 2W / LED
1559 = 510mm	20W / 2340 lm	30W / 3200 lm	40W / 4260 lm
1560 = 1010mm	40W / 4680 lm	60W / 6400 lm	80W / 8520 lm
1561 = 1510mm	60W / 7020 lm	90W / 9600 lm	120W / 12780 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

LFO LINE 65 PENDEL/PENDANT LP50 (20 LEDS/m)

Lichtpunktabstand 50mm/Light point distance 50mm

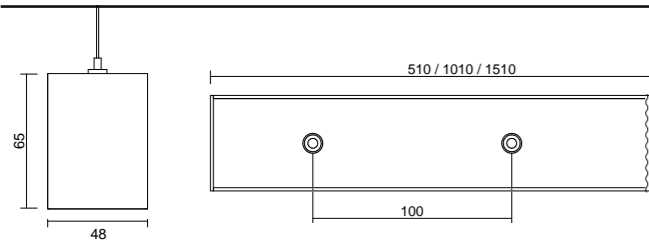


Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux		
	001 = 1W / LED	015 = 1,5W/LED	002 = 2W / LED
1562 = 510mm	10W / 1170 lm	15W / 1600 lm	20W / 2130 lm
1563 = 1010mm	20W / 2340 lm	30W / 3200 lm	40W / 4260 lm
1564 = 1510mm	30W / 3510 lm	45W / 4800 lm	60W / 6390 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

LFO LINE 65 PENDEL/PENDANT LP100 (10 LEDS/m)

Lichtpunktabstand 100mm/Light point distance 100mm



Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux		
	001 = 1W / LED	015 = 1,5W/LED	002 = 2W / LED
1565 = 510mm	5W / 585 lm	8W / 800 lm	10W / 1065 lm
1566 = 1010mm	10W / 1170 lm	15W / 1600 lm	20W / 2130 lm
1567 = 1510mm	15W / 1755 lm	23W / 2400 lm	30W / 3195 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



ARTIKELNUMMER / ARTICLE NUMBER:



Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1559	001 = 1W	X = Ohne/None	B = 2x20°	27 = 2700K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
1560	015 = 1,5W	Y = DALI	F = 2x38°	30 = 3000K	9 = 90	02 = RAL 9006 ●	
1561	002 = 2W	Z = On/Off		35 = 3500K		03 = RAL 9005 ●	
1562				40 = 4000K		04 = RAL 7016 ●	
1563				50 = 5000K*		05 = DB703 ●	
1564				57 = 5700K*			
1565							
1566							
1567							

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

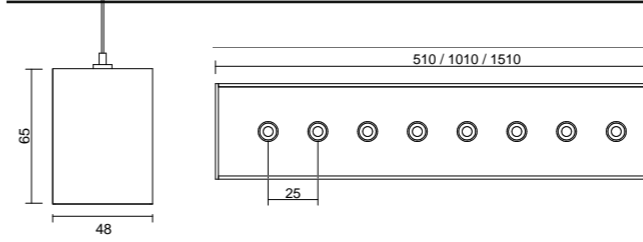
\*5000K und 5700K nur CRI 80/ 5000K and 5700K only CRI 80

TUNEABLE WHITE



LFO LINE 65 PENDEL/PENDANT LP25 (40 LEDS/m)

Lichtpunktabstand 25mm/Light point distance 25mm

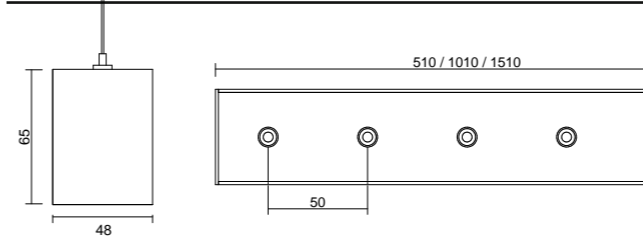


Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux
	002 = max. 2W per Lichtpunkt / Light point
1568 = 510mm	40W / (2020 lm / 2320 lm)
1569 = 1010mm	80W / (4040 lm / 4640 lm)
1570 = 1510mm	120W / (6060 lm / 6960 lm)

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

LFO LINE 65 PENDEL/PENDANT LP50 (20 LEDS/m)

Lichtpunktabstand 50mm/Light point distance 50mm

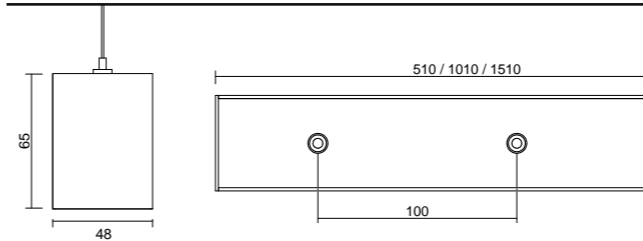


Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux
	002 = max. 2W per Lichtpunkt / Light point
1571 = 510mm	20W / (1010 lm / 1160 lm)
1572 = 1010mm	40W / (2020 lm / 2320 lm)
1573 = 1510mm	60W / (3030 lm / 3480 lm)

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

LFO LINE 65 PENDEL/PENDANT LP100 (10 LEDS/m)

Lichtpunktabstand 100mm/Light point distance 100mm



Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux
	002 = max. 2W per Lichtpunkt / Light point
1574 = 510mm	10W / (505 lm / 580 lm)
1575 = 1010mm	20W / (1010 lm / 1160 lm)
1576 = 1510mm	30W / (1515 lm / 1740 lm)

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



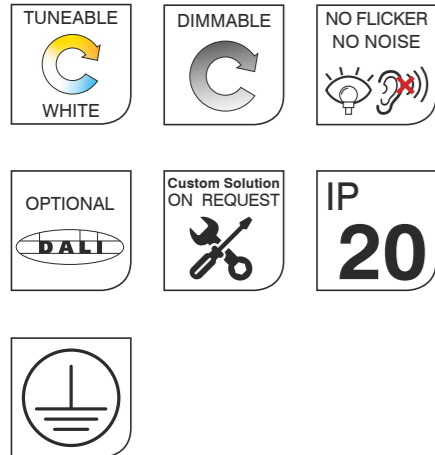
ARTIKELNUMMER / ARTICLE NUMBER:



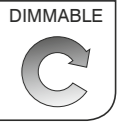
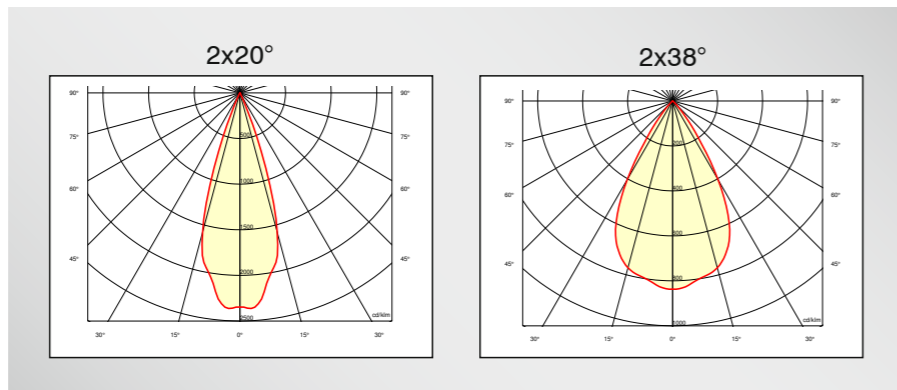
Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1568	002 = 2W	X = Ohne/None	B = 2x20°	T1 = 2200K - 4000K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
1569		W = DALI DT8	F = 2x38°	T2 = 2200K - 4500K	9 = 90	02 = RAL 9006 ●	
1570				T3 = 2200K - 5000K		03 = RAL 9005 ●	
1571				T4 = 2200K - 5700K*		04 = RAL 7016 ●	
1572				T5 = 2700K - 4000K		05 = DB703 ●	
1573				T6 = 2700K - 4500K			
1574				T7 = 2700K - 5000K			
1575				T8 = 2700K - 5700K*			
1576							

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

\*5700K nur CRI 80/ 5700K only CRI 80



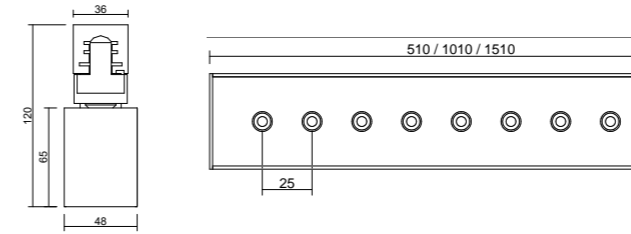
Lichtpunktabstand/Light point distance:	25mm, 50mm, 100mm
Treiber/Driver:	Integriert/Integrated
Leistung/Wattage:	5W – 120W
Lichtstrom/Luminous Flux:	585lm – 12780lm
Lichtverteilung/Beam angle:	2x20°, 2x38°
Wirkungsgrad/Efficiency:	>85%
Farbtemperatur/Color Temperature:	2200K – 5700K
CRI:	>80, >90
Schutzklasse/Protection Class:	1
IP-Schutz/IP-Protection:	IP20
Oberfläche Gehäuse/Casing Finish:	Pulverbeschichtet/Powder Coated
Sonderausführung/Custom versions:	Auf Anfrage/On request



MONO

LFO LINE 65 STROMSCHIENE/TRACK LP25 (40 LEDS/m)

Lichtpunktabstand 25mm/Light point distance 25mm

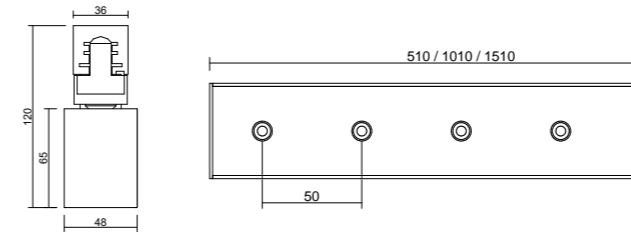


Produkt ID Länge / length	Verbrauch + Lichtstrom / Wattage + Luminous Flux		
	001 = 1W / LED	015 = 1,5W/LED	002 = 2W / LED
1580 = 510mm	20W / 2340 lm	30W / 3200 lm	40W / 4260 lm
1581 = 1010mm	40W / 4680 lm	60W / 6400 lm	80W / 8520 lm
1582 = 1510mm	60W / 7020 lm	90W / 9600 lm	120W / 12780 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

LFO LINE 65 STROMSCHIENE/TRACK LP50 (20 LEDS/m)

Lichtpunktabstand 50mm/Light point distance 50mm

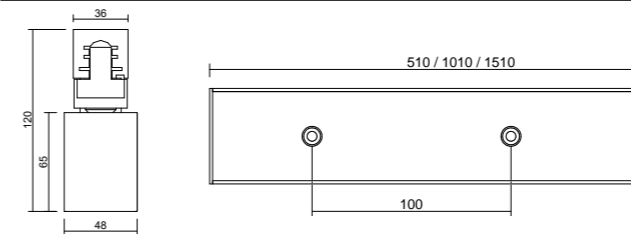


Produkt ID Länge / length	Verbrauch + Lichtstrom / Wattage + Luminous Flux		
	001 = 1W / LED	015 = 1,5W/LED	002 = 2W / LED
1583 = 510mm	10W / 1170 lm	15W / 1600 lm	20W / 2130 lm
1584 = 1010mm	20W / 2340 lm	30W / 3200 lm	40W / 4260 lm
1585 = 1510mm	30W / 3510 lm	45W / 4800 lm	60W / 6390 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

LFO LINE 65 STROMSCHIENE/TRACK LP100 (10 LEDS/m)

Lichtpunktabstand 100mm/Light point distance 100mm



Produkt ID Länge / length	Verbrauch + Lichtstrom / Wattage + Luminous Flux		
	001 = 1W / LED	015 = 1,5W/LED	002 = 2W / LED
1586 = 510mm	5W / 585 lm	8W / 800 lm	10W / 1065 lm
1587 = 1010mm	10W / 1170 lm	15W / 1600 lm	20W / 2130 lm
1588 = 1510mm	15W / 1755 lm	23W / 2400 lm	30W / 3195 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



ARTIKELNUMMER / ARTICLE NUMBER:

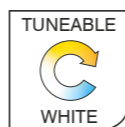


Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1580	001 = 1W	X = Ohne/None	B = 2x20°	27 = 2700K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
1581	015 = 1,5W	Y = DALI	F = 2x38°	30 = 3000K	9 = 90	02 = RAL 9006 ●	
1582	002 = 2W	Z = On/Off		35 = 3500K		03 = RAL 9005 ●	
1583				40 = 4000K		04 = RAL 7016 ●	
1584				50 = 5000K*		05 = DB703 ●	
1585				57 = 5700K*			
1586							
1587							
1588							

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

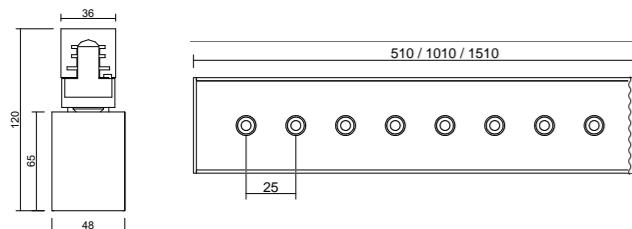
\* 5000K und 5700K nur CRI 80/ 5000K and 5700K only CRI 80

# TUNEABLE WHITE



## LFO LINE 65 STROMSCHIENE/TRACK LP25 (40 LEDS/m)

Lichtpunktabstand 25mm/Light point distance 25mm

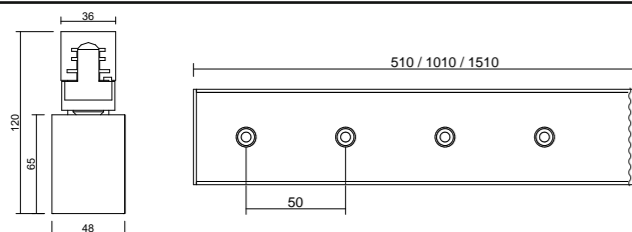


Produkt ID Länge / length	Verbrauch + Lichtstrom / Wattage + Luminous Flux
<b>1589 = 510mm</b>	<b>002 = max. 2W per Lichtpunkt / Light point</b> 40W / (2020 lm / 2320 lm)
<b>1590 = 1010mm</b>	80W / (4040 lm / 4640 lm)
<b>1591 = 1510mm</b>	120W / (6060 lm / 6960 lm)

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

## LFO LINE 65 STROMSCHIENE/TRACK LP50 (20 LEDS/m)

Lichtpunktabstand 50mm/Light point distance 50mm

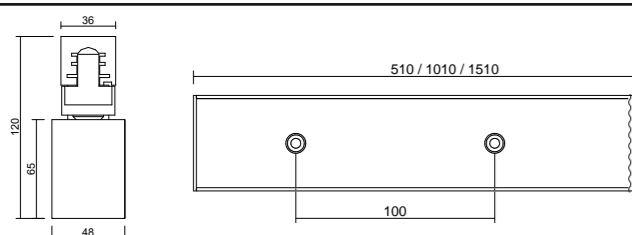


Produkt ID Länge / length	Verbrauch + Lichtstrom / Wattage + Luminous Flux
<b>1592 = 510mm</b>	<b>002 = max. 2W per Lichtpunkt / Light point</b> 20W / (1010 lm / 1160 lm)
<b>1593 = 1010mm</b>	40W / (2020 lm / 2230 lm)
<b>1594 = 1510mm</b>	60W / (3030 lm / 3480 lm)

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

## LFO LINE 65 STROMSCHIENE/TRACK LP100 (10 LEDS/m)

Lichtpunktabstand 100mm/Light point distance 100mm



Produkt ID Länge / length	Verbrauch + Lichtstrom / Wattage + Luminous Flux
<b>1595 = 510mm</b>	<b>002 = max. 2W per Lichtpunkt / Light point</b> 10W / (505 lm / 580 lm)
<b>1596 = 1010mm</b>	20W / (1010 lm / 1160 lm)
<b>1597 = 1510mm</b>	30W / (1515 lm / 1740 lm)

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



ARTIKELNUMMER / ARTICLE NUMBER:



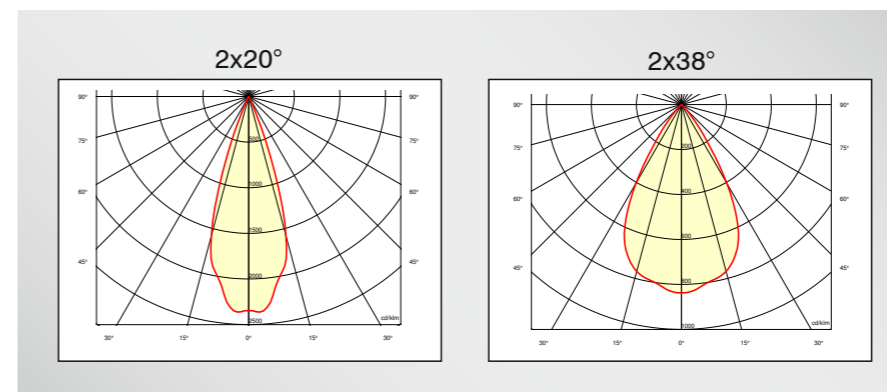
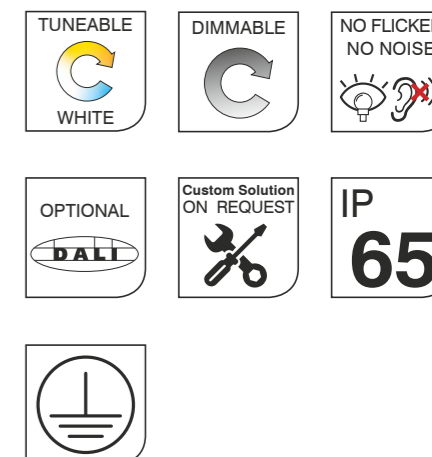
Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
<b>1589</b>	<b>002 = 2W</b>	<b>X = Ohne/None</b>	<b>B = 2x20°</b>	<b>T1 = 2200K - 4000K</b>	<b>8 = 80</b>	<b>01 = RAL 9016</b> ○	<b>X = Ohne/None</b>
<b>1590</b>		<b>W = DALI DT8</b>	<b>F = 2x38°</b>	<b>T2 = 2200K - 4500K</b>	<b>9 = 90</b>	<b>02 = RAL 9006</b> ●	
<b>1591</b>				<b>T3 = 2200K - 5000K</b>		<b>03 = RAL 9005</b> ●	
<b>1592</b>				<b>T4 = 2200K - 5700K*</b>		<b>04 = RAL 7016</b> ●	
<b>1593</b>				<b>T5 = 2700K - 4000K</b>		<b>05 = DB703</b> ●	
<b>1594</b>				<b>T6 = 2700K - 4500K</b>			
<b>1595</b>				<b>T7 = 2700K - 5000K</b>			
<b>1596</b>				<b>T8 = 2700K - 5700K*</b>			
<b>1597</b>							

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

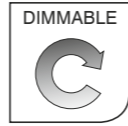
\*5700K nur CRI 80/ 5700K only CRI 80



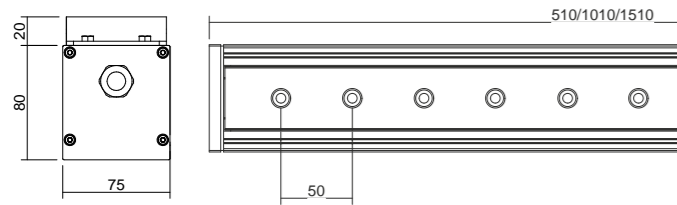
Lichtpunktabstand/Light point distance:	50mm
Treiber/Driver:	Integriert/Integrated
Leistung/Wattage:	10W – 60W
Lichtstrom/Luminous Flux:	1170lm – 6390lm
Lichtverteilung/Beam angle:	2x20°, 2x38°
Wirkungsgrad/Efficiency:	>85%
Farbtemperatur/Color Temperature:	2200K – 5700K
CRI:	>80, >90
Schutzklasse/Protection Class:	1
IP-Schutz/IP-Protection:	IP65
Oberfläche Gehäuse/Casing Finish:	Pulverbeschichtet/Powder Coated
Sonderausführung/Custom versions:	Auf Anfrage/On request



# MONO



LFO LINE 80 ANBAU/SURFACE MOUNTED LP50 (20 LEDS/m) Lichtpunktabstand 50mm/Light point distance 50mm



Produkt ID Länge / length	Verbrauch + Lichtstrom / Wattage + Luminous Flux		
	001 = 1W / LED	015 = 1,5W/LED	002 = 2W / LED
1526 = 510mm	10W / 1170 lm	15W / 1600 lm	20W / 2130 lm
1527 = 1010mm	20W / 2340 lm	30W / 3200 lm	40W / 4260 lm
1528 = 1510mm	30W / 3510 lm	45W / 4800 lm	60W / 6390 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



ARTIKELNUMMER / ARTICLE NUMBER:

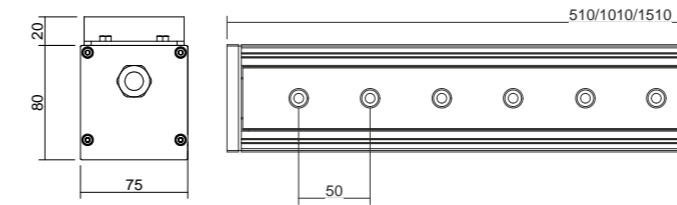
Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1526	001 = 1W	X = Ohne/None	B = 2x20°	27 = 2700K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
1527	015 = 1,5W	Y = DALI	F = 2x38°	30 = 3000K	9 = 90	02 = RAL 9006 ●	
1528	002 = 2W	Z = On/Off		35 = 3500K		03 = RAL 9005 ●	
				40 = 4000K		04 = RAL 7016 ●	
				50 = 5000K*		05 = DB703 ●	
				57 = 5700K*			

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible \*5000K und 5700K nur CRI 80/ 5000K and 5700K only CRI 80

# TUNEABLE WHITE



LFO LINE 80 ANBAU/SURFACE MOUNTED LP50 (20 LEDS/m) Lichtpunktabstand 50mm/Light point distance 50mm



Produkt ID Länge / length	Verbrauch + Lichtstrom / Wattage + Luminous Flux
	002 = max. 2W per Lichtpunkt / Light point
1535 = 510mm	20W / (1010 lm / 1160 lm)
1536 = 1010mm	40W / (2020 lm / 2320 lm)
1537 = 1510mm	60W / (3030 lm / 3480 lm)

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

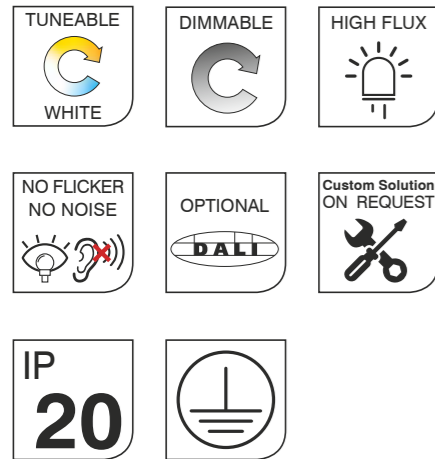


ARTIKELNUMMER / ARTICLE NUMBER:

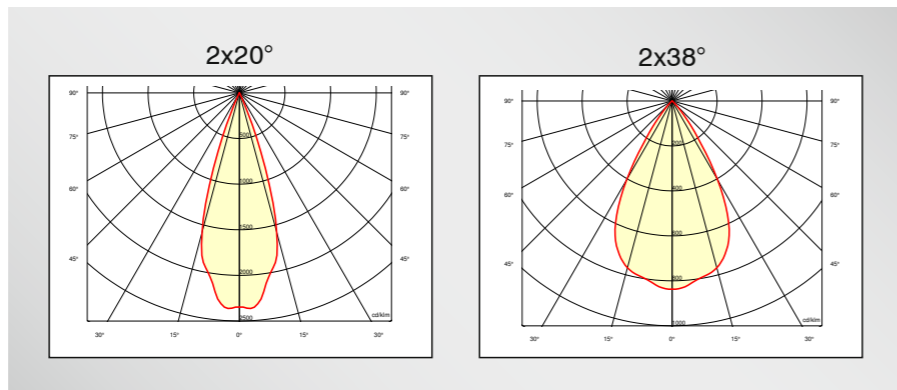
Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1535	002 = 2W	X = Ohne/None	B = 2x20°	T1 = 2200K - 4000K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
1536		W = DALI DT8	F = 2x38°	T2 = 2200K - 4500K	9 = 90	02 = RAL 9006 ●	
1537				T3 = 2200K - 5000K		03 = RAL 9005 ●	
				T4 = 2200K - 5700K*		04 = RAL 7016 ●	
				T5 = 2700K - 4000K		05 = DB703 ●	
				T6 = 2700K - 4500K			
				T7 = 2700K - 5000K			
				T8 = 2700K - 5700K*			

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible \*5700K nur CRI 80/ 5700K only CRI 80

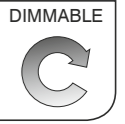
# LFO 2x2 ANBAU/SURFACE MOUNTED



Lichtpunktabstand/Light point distance:	25mm, 50mm
Treiber/Driver:	Integriert/Integrated
Leistung/Wattage:	4W – 32W
Lichtstrom/Luminous Flux:	468 lm – 2744 lm
Lichtverteilung/Beam angle:	2x20°, 2x38°
Wirkungsgrad/Efficiency:	> 85%
Farbtemperatur/Color Temperature:	2200K – 5700K
CRI:	> 80, > 90
Schutzklasse/Protection Class:	1
IP-Schutz/IP-Protection:	IP20
Oberfläche Gehäuse/Casing Finish:	Pulverbeschichtet/Powder Coated
Sonderausführung/Custom versions:	Auf Anfrage/On request



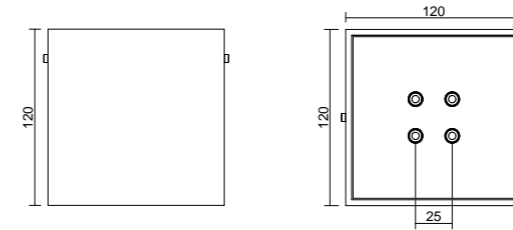
# LFO 2x2 ANBAU/SURFACE MOUNTED



## MONO

### LFO 2x2 ANBAU/SURFACE MOUNTED LP25

Lichtpunktabstand 25mm/Light point distance 25mm

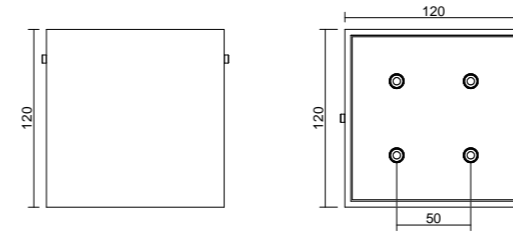


Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux		
	041 = 4x1W	045 = 4x1,5W	042 = 4x2W
1463	468 lm	640 lm	852 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

### LFO 2x2 ANBAU/SURFACE MOUNTED LP50

Lichtpunktabstand 50mm/Light point distance 50mm



Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux		
	041 = 4x1W	045 = 4x1,5W	042 = 4x2W
1465	468 lm	640 lm	852 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

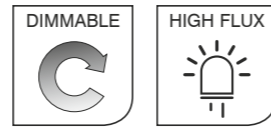


ARTIKELNUMMER / ARTICLE NUMBER:

Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1463	041 = 4x1W	X = Ohne/None	B = 2x20°	27 = 2700K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
1465	045 = 4x1,5W	Y = DALI	F = 2x38°	30 = 3000K	9 = 90	02 = RAL 9006 ●	
	042 = 4x2W	Z = On/Off		35 = 3500K		03 = RAL 9005 ●	
				40 = 4000K		04 = RAL 7016 ●	
				50 = 5000K*		05 = DB703 ●	
				57 = 5700K*			

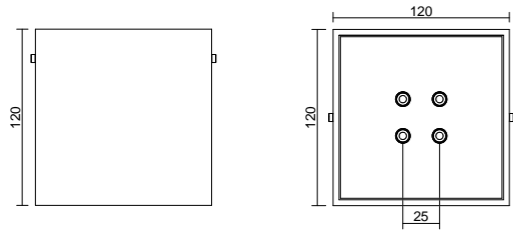
Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible  
\*5000K und 5700K nur CRI 80/ 5000K and 5700K only CRI 80

# HIGH FLUX



## LFO 2x2 ANBAU/SURFACE MOUNTED LP25

Lichtpunktabstand 25mm/Light point distance 25mm

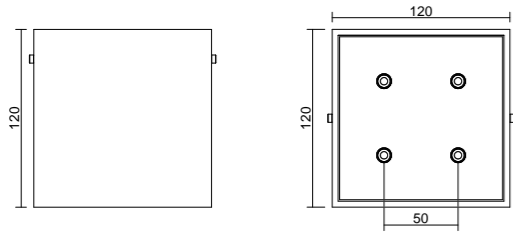


Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux		
	044 = 4x4W	046 = 4x6W	048 = 4x8W
1464	1616 lm	2176 lm	2744 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

## LFO 2x2 ANBAU/SURFACE MOUNTED LP50

Lichtpunktabstand 25mm/Light point distance 50mm



Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux		
	044 = 4x4W	046 = 4x6W	048 = 4x8W
1466	1616 lm	2176 lm	2744 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

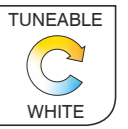


ARTIKELNUMMER / ARTICLE NUMBER:

Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1464	044 = 4x4W	X = Ohne/None	B = 2x20°	27 = 2700K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
1466	046 = 4x6W	Y = DALI	F = 2x38°	30 = 3000K	9 = 90	02 = RAL 9006 ●	
	048 = 4x8W	Z = On/Off		35 = 3500K		03 = RAL 9005 ●	
				40 = 4000K		04 = RAL 7016 ●	
				50 = 5000K		05 = DB703 ●	
				57 = 5700K			

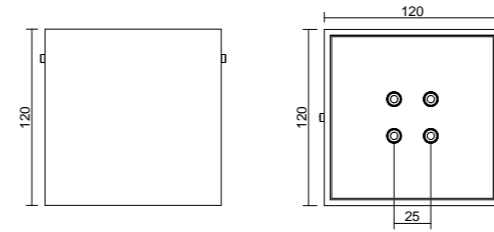
Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

# TUNEABLE WHITE



## LFO 2x2 ANBAU/SURFACE MOUNTED LP25

Lichtpunktabstand 25mm/Light point distance 25mm

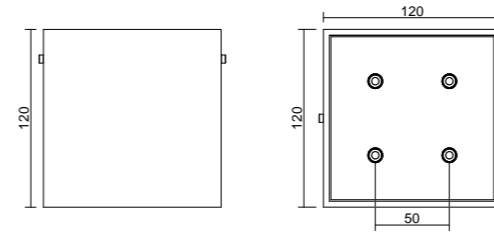


Produkt ID	Verbrauch + Lichtstrom/Wattage + Luminous Flux
	042 = 4x2W
1467	404 lm / 464 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

## LFO 2x2 ANBAU/SURFACE MOUNTED LP50

Lichtpunktabstand 25mm/Light point distance 50mm



Produkt ID	Verbrauch + Lichtstrom/Wattage + Luminous Flux
	042 = 4x2W
1468	404 lm / 464 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



ARTIKELNUMMER / ARTICLE NUMBER:

Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1467	042 = 4x2W	X = Ohne/None	B = 2x20°	T1 = 2200K - 4000K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
1468		W = DALI DT8	F = 2x38°	T2 = 2200K - 4500K	9 = 90	02 = RAL 9006 ●	
				T3 = 2200K - 5000K		03 = RAL 9005 ●	
				T4 = 2200K - 5700K*		04 = RAL 7016 ●	
				T5 = 2700K - 4000K		05 = DB703 ●	
				T6 = 2700K - 4500K			
				T7 = 2700K - 5000K			
				T8 = 2700K - 5700K*			

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

\*5700K nur CRI 80/ 5700K only CRI 80



RMJ steht für „Reflektor-Mini-Junior“ und ist praktisch eine Weiterentwicklung unseres bewährten Junior-Downlights.

Die hocheffizienten Reflektoren mit Abstrahlwinkeln von 2x25°, 2x35°, 2x45° und einem asymmetrischen „Wall-washer-Reflektor“ erlauben einen vielseitigen Einsatz bei kompakten Design und hoher Lichtleistung.

RMJ stands for „Reflector-Mini-Junior“ and is practically a further improvement of our successful Junior-Downlight.

Thanks to the compact design and solid light output, in combination with high efficient reflectors with beam angles of 2x25°, 2x35°, 2x45° and one asymmetrical “Wall-washer-reflector”, the RMJ can be installed at a wide range of applications.

## PRODUKTE / PRODUCTS

Seite/Page



**RMJ Downlight Einbau/Recessed**

110

Mono

Tuneable white



**RMJ Downlight S Einbau/Recessed**

113

Mono

Tuneable white



**RMJ Downlight S schwenkbar Einbau/Tilt Recessed**

116

Mono

Tuneable white

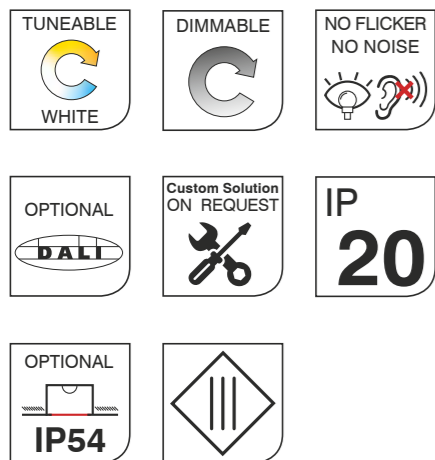
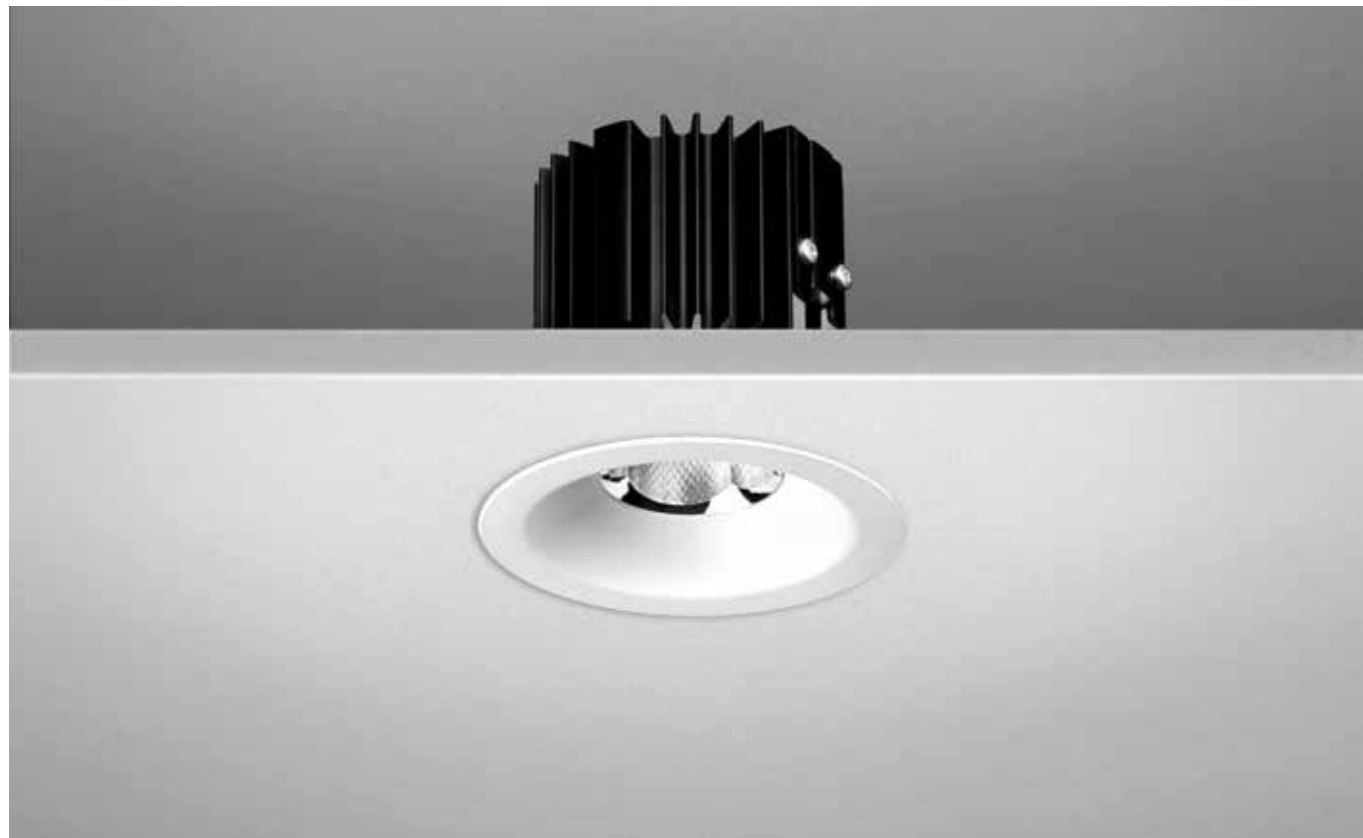


**RMJ Stromschiene/Track**

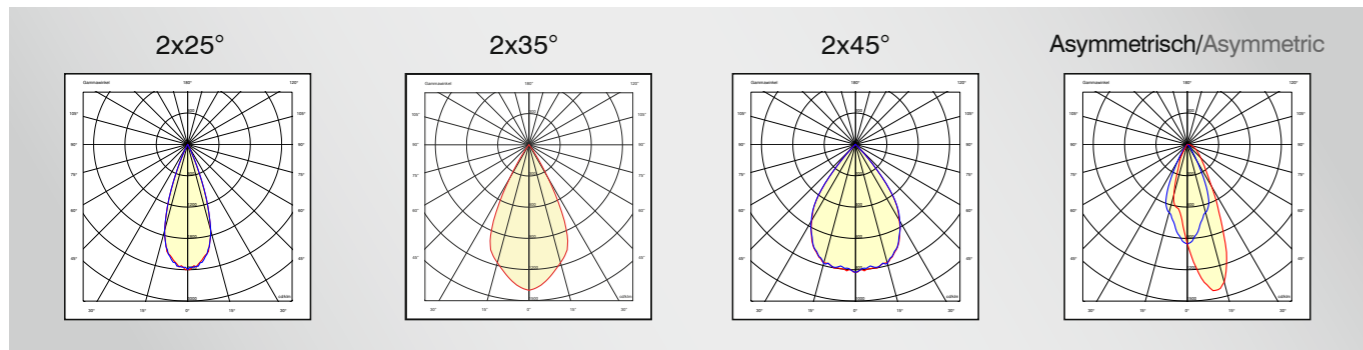
119

Mono

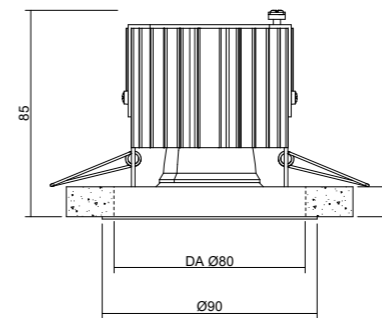
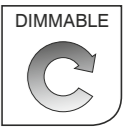
Tuneable white



Lichtpunktabstand/Light point distance:	n/a
Treiber/Driver:	Extern/External
Leistung/Wattage:	13W – 16W
Lichtstrom/Luminous Flux:	808 lm – 1800 lm
Lichtverteilung/Beam angle:	2x25°, 2x35°, 2x45°, Asymmetrisch/Asymmetric
Wirkungsgrad/Efficiency:	>85%
Farbtemperatur/Color Temperature:	2200K – 5700K
CRI:	>80, >90
Schutzklasse/Protection Class:	3
IP-Schutz/IP-Protection:	IP20, IP54 (optional)
Oberfläche Gehäuse/Casing Finish:	Pulverbeschichtet/Powder Coated
Sonderausführung/Custom versions:	Auf Anfrage/On request



MONO



Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux	
	013 = 13W	018 = 16W
2155	1358 lm	1800 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



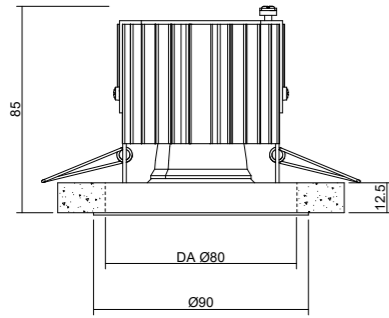
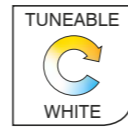
ARTIKELNUMMER / ARTICLE NUMBER:

Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
2155	013 = 13W	X = Ohne/None	A = Asymmetric	27 = 2700K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
	016 = 16W	Y = DALI Z = On/Off	Q = 2x25°	30 = 3000K	9 = 90	02 = RAL 9006 ●	A = Schutzscheibe/ Cover Glass
G = 2x35°			35 = 3500K	03 = RAL 9005 ●			
H = 2x45°			40 = 4000K	04 = RAL 7016 ●			
50 = 5000K			05 = DB703 ●				
57 = 5700K							

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible



# TUNEABLE WHITE



Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux
016 = 16W	
2156	808 lm / 928 lm

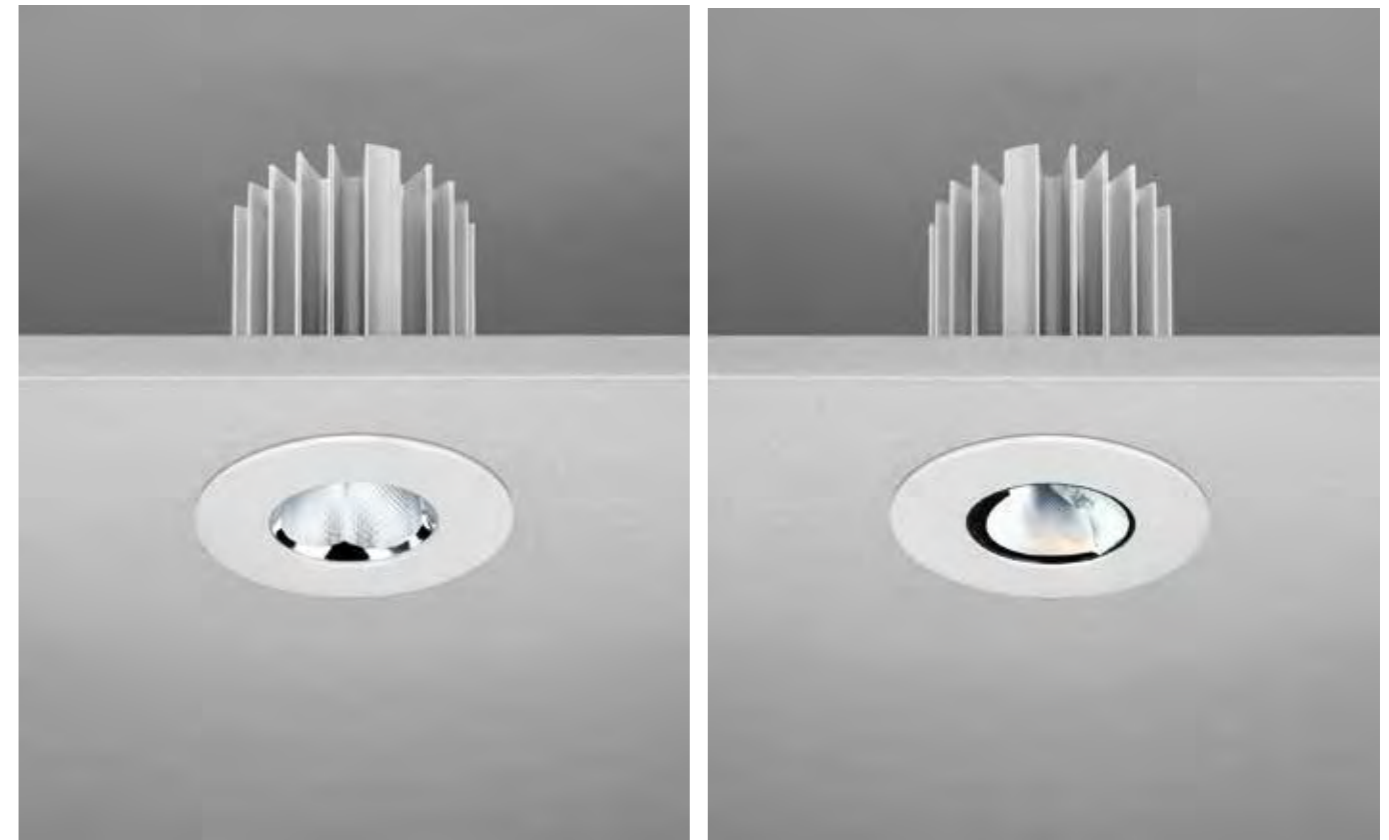
Weitere Sonderausführungen auf Anfrage / Custom solutions on request



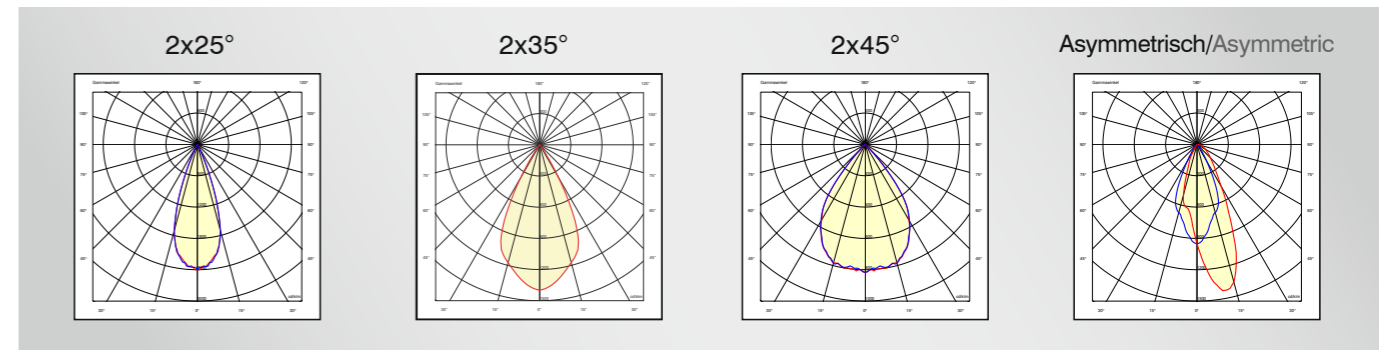
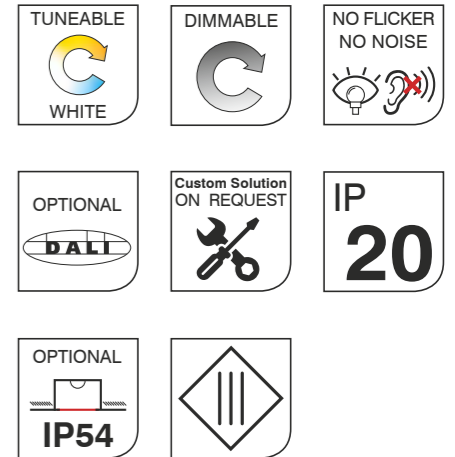
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Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI	Farbe Color Finish	Extras Accessories
2156	016 = 16W	X = Ohne/None	A = Asymmetric	T1 = 2200K - 4000K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
		W = DALI DT8	Q = 2x25°	T2 = 2200K - 4500K	9 = 90	02 = RAL 9006 ●	A = Schutzscheibe/ Cover Glass
			G = 2x35°	T3 = 2200K - 5000K		03 = RAL 9005 ●	
			H = 2x45°	T4 = 2200K - 5700K*		04 = RAL 7016 ●	
				T5 = 2700K - 4000K		05 = DB703 ●	
				T6 = 2700K - 4500K			
				T7 = 2700K - 5000K			
				T8 = 2700K - 5700K*			

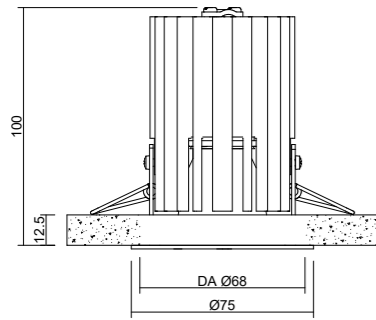
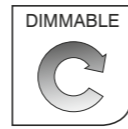
Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible \*5700K nur CRI 80/ 5700K only CRI 80



Lichtpunktabstand/Light point distance:	n/a
Treiber/Driver:	Extern/External
Leistung/Wattage:	13W - 16W
Lichtstrom/Luminous Flux:	808 lm - 1358 lm
Lichtverteilung/Beam angle:	2x25°, 2x35°, 2x45°, Asymmetrisch/Asymmetric
Wirkungsgrad/Efficiency:	>85%
Farbtemperatur/Color Temperature:	2200K - 5700K
CRI:	>80, >90
Schutzklasse/Protection Class:	3
IP-Schutz/IP-Protection:	IP20, IP54 (optional)
Oberfläche Gehäuse/Casing Finish:	Pulverbeschichtet/Powder Coated
Sonderausführung/Custom versions:	Auf Anfrage/On request

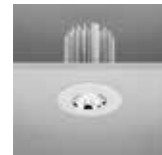


# MONO



Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux
013 = 13W	
2149	1358 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

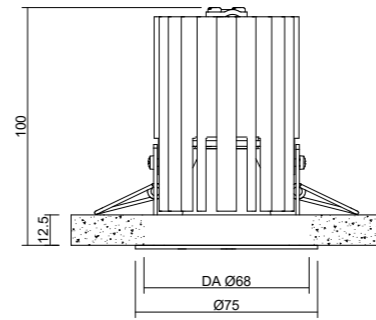


ARTIKELNUMMER / ARTICLE NUMBER:

Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
2149	013 = 13W	X = Ohne/None	A = Asymmetric	27 = 2700K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
		Y = DALI	Q = 2x25°	30 = 3000K	9 = 90	02 = RAL 9006 ●	A = Schutzscheibe/ Cover Glass
		Z = On/Off	G = 2x35°	35 = 3500K		03 = RAL 9005 ●	
			H = 2x45°	40 = 4000K		04 = RAL 7016 ●	
				50 = 5000K		05 = DB703 ●	
				57 = 5700K			

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

# TUNEABLE WHITE



Produkt ID	Verbrauch + Lichtstrom/Wattage + Luminous Flux
016 = 16W	
2151	808 lm / 928 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

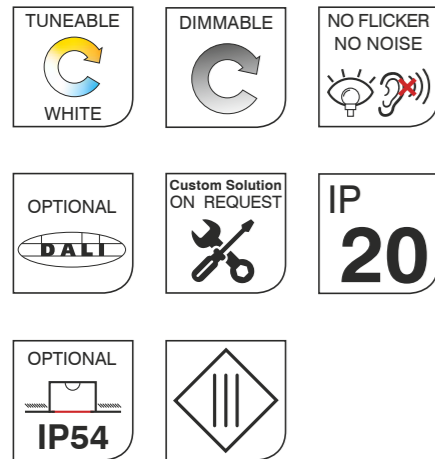


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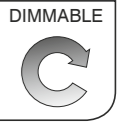
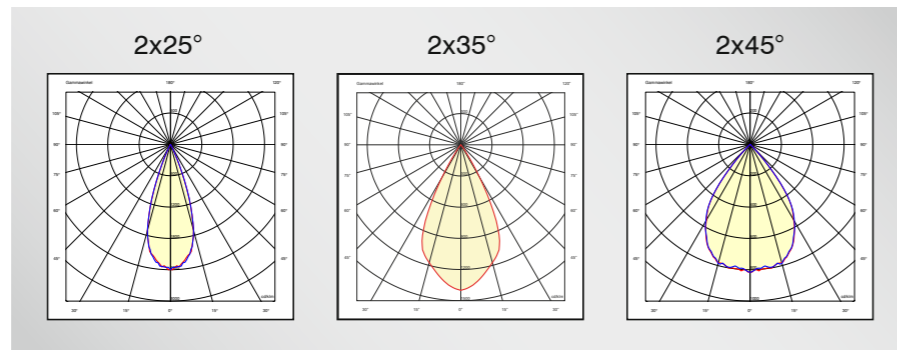
Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
2151	016 = 16W	X = Ohne/None	A = Asymmetric	T1 = 2200K - 4000K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
		W = DALI DT8	Q = 2x25°	T2 = 2200K - 4500K	9 = 90	02 = RAL 9006 ●	A = Schutzscheibe/ Cover Glass
			G = 2x35°	T3 = 2200K - 5000K		03 = RAL 9005 ●	
			H = 2x45°	T4 = 2200K - 5700K*		04 = RAL 7016 ●	
				T5 = 2700K - 4000K		05 = DB703 ●	
				T6 = 2700K - 4500K			
				T7 = 2700K - 5000K			
				T8 = 2700K - 5700K*			

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

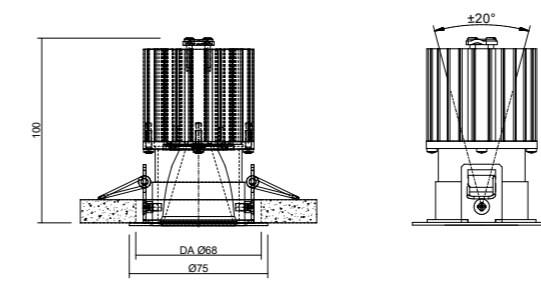
\* 5700K nur CRI 80/ 5700K only CRI 80



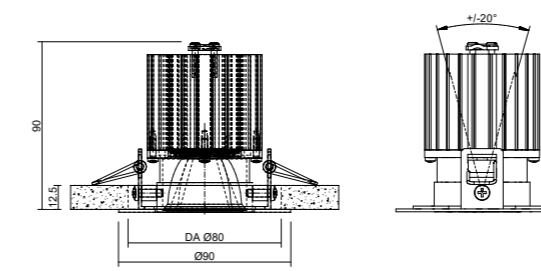
Lichtpunktabstand/Light point distance:	n/a
Treiber/Driver:	Extern/External
Leistung/Wattage:	13W – 16W
Lichtstrom/Luminous Flux:	808 lm – 1358 lm
Lichtverteilung/Beam angle:	2x25°, 2x35°, 2x45°
Wirkungsgrad/Efficiency:	>85%
Farbtemperatur/Color Temperature:	2200K – 5700K
CRI:	>80, >90
Schutzklasse/Protection Class:	3
IP-Schutz/IP-Protection:	IP20, IP54 (optional)
Oberfläche Gehäuse/Casing Finish:	Pulverbeschichtet/Powder Coated
Sonderausführung/Custom versions:	Auf Anfrage/On request



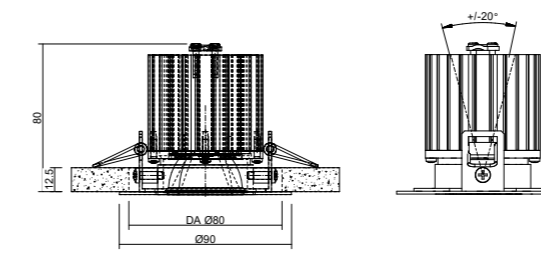
MONO



Nur für Reflektor 2x25° / Only for reflector 2x25°



Nur für Reflektor 2x35° / Only for reflector 2x35°



Nur für Reflektor 2x45° / Only for reflector 2x45°

Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux
2152	013 = 13W 1358 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

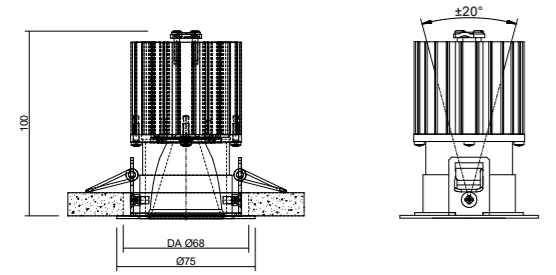
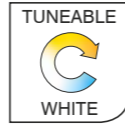


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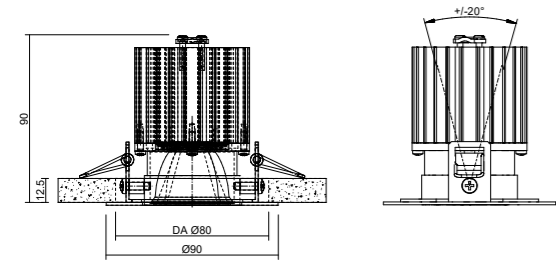
Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
2152	013 = 13W	X = Ohne/None	Q = 2x25°	27 = 2700K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
		Y = DALI	G = 2x35°	30 = 3000K	9 = 90	02 = RAL 9006 ●	A = Schutzscheibe/ Cover Glass
		Z = On/Off	H = 2x45°	35 = 3500K		03 = RAL 9005 ●	
				40 = 4000K		04 = RAL 7016 ●	
				50 = 5000K		05 = DB703 ●	
				57 = 5700K			

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

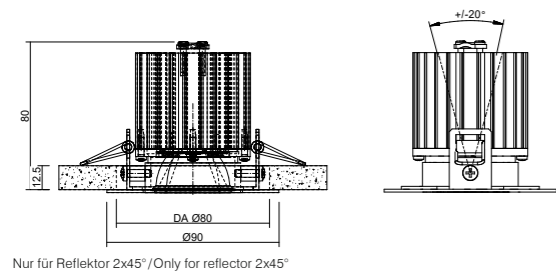
# TUNEABLE WHITE



Nur für Reflektor 2x25° / Only for reflector 2x25°



Nur für Reflektor 2x35° / Only for reflector 2x35°



Nur für Reflektor 2x45° / Only for reflector 2x45°



Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux
2154	016 = 16W 808 lm / 928 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

ARTIKELNUMMER / ARTICLE NUMBER:

Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI	Farbe Color Finish	Extras Accessories
2154	016 = 16W	X = Ohne/None	Q = 2x25°	T1 = 2200K - 4000K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
			W = DALI DT8	T2 = 2200K - 4500K	9 = 90	02 = RAL 9006 ●	A = Schutzscheibe/ Cover Glass
			H = 2x45°	T3 = 2200K - 5000K	03 = RAL 9005 ●		
			T4 = 2200K - 5700K*	04 = RAL 7016 ●			
			T5 = 2700K - 4000K	05 = DB703 ●			
			T6 = 2700K - 4500K				
			T7 = 2700K - 5000K				
			T8 = 2700K - 5700K*				

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible \*5700K nur CRI 80/ 5700K only CRI 80



Lichtpunktabstand/Light point distance:	n/a
Treiber/Driver:	Extern/External
Leistung/Wattage:	13W - 16W
Lichtstrom/Luminous Flux:	808 lm - 1358 lm
Lichtverteilung/Beam angle:	2x25°, 2x35°, 2x45°
Wirkungsgrad/Efficiency:	>85%
Farbtemperatur/Color Temperature:	2200K - 5700K
CRI:	>80, >90
Schutzklasse/Protection Class:	3
IP-Schutz/IP-Protection:	IP20, IP54 (optional)
Oberfläche Gehäuse/Casing Finish:	Pulverbeschichtet/Powder Coated
Sonderausführung/Custom versions:	Auf Anfrage/On request

TUNEABLE  
WHITE

DIMMABLE

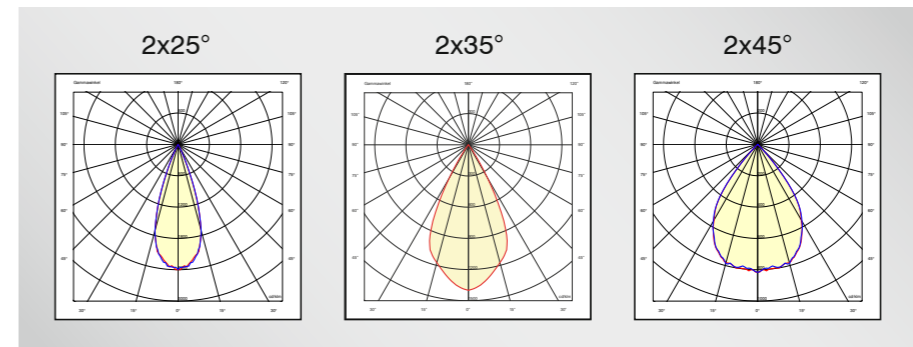
NO FLICKER  
NO NOISE

OPTIONAL  
DALI

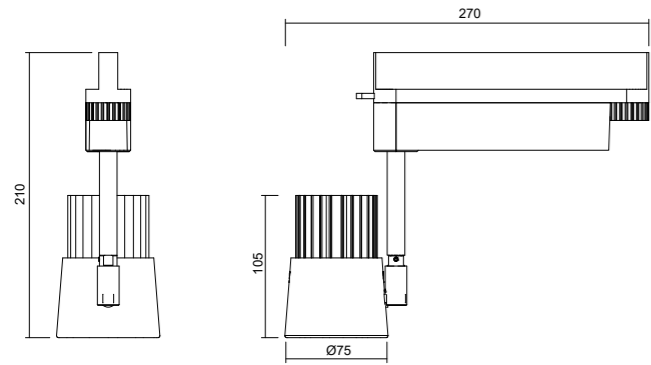
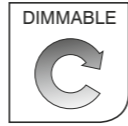
Custom Solution  
ON REQUEST

IP  
20

OPTIONAL  
IP54



# MONO



Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux
<b>013 = 13W</b>	
<b>2159</b>	1358 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

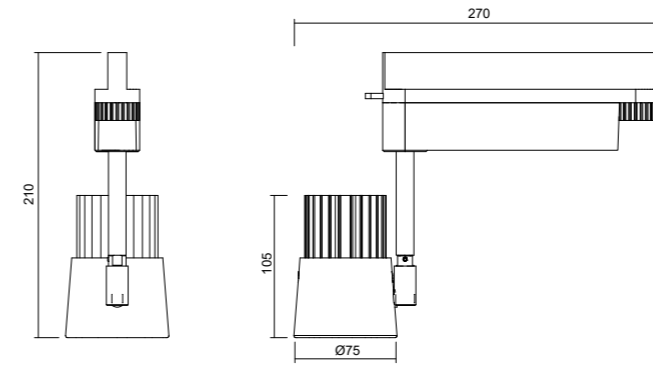


ARTIKELNUMMER / ARTICLE NUMBER:

Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
<b>2159</b>	<b>013 = 13W</b>	<b>X = Ohne/None</b>	<b>Q = 2x25°</b>	<b>27 = 2700K</b>	<b>8 = 80</b>	<b>01 = RAL 9016</b> ○	<b>X = Ohne/None</b>
		<b>Y = DALI</b>	<b>G = 2x35°</b>	<b>30 = 3000K</b>	<b>9 = 90</b>	<b>02 = RAL 9006</b> ●	<b>A = Schutzscheibe/ Cover Glass</b>
		<b>Z = On/Off</b>	<b>H = 2x45°</b>	<b>35 = 3500K</b>		<b>03 = RAL 9005</b> ●	
				<b>40 = 4000K</b>		<b>04 = RAL 7016</b> ●	
				<b>50 = 5000K</b>		<b>05 = DB703</b> ●	
				<b>57 = 5700K</b>			

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

# TUNEABLE WHITE



Produkt ID	Verbrauch + Lichtstrom/Wattage + Luminous Flux
<b>016 = 16W</b>	
<b>2160</b>	808 lm / 928 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



ARTIKELNUMMER / ARTICLE NUMBER:

Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
<b>2160</b>	<b>016 = 16W</b>	<b>X = Ohne/None</b>	<b>Q = 2x25°</b>	<b>T1 = 2200K - 4000K</b>	<b>8 = 80</b>	<b>01 = RAL 9016</b> ○	<b>X = Ohne/None</b>
		<b>W = DALI DT8</b>	<b>G = 2x35°</b>	<b>T2 = 2200K - 4500K</b>	<b>9 = 90</b>	<b>02 = RAL 9006</b> ●	<b>A = Schutzscheibe/ Cover Glass</b>
			<b>H = 2x45°</b>	<b>T3 = 2200K - 5000K</b>		<b>03 = RAL 9005</b> ●	
				<b>T4 = 2200K - 5700K*</b>		<b>04 = RAL 7016</b> ●	
				<b>T5 = 2700K - 4000K</b>		<b>05 = DB703</b> ●	
				<b>T6 = 2700K - 4500K</b>			
				<b>T7 = 2700K - 5000K</b>			
				<b>T8 = 2700K - 5700K*</b>			

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

\* 5700K nur CRI 80/ 5700K only CRI 80

# JUNIOR



Unser Junior Downlight eignet sich perfekt um Räume jeglicher Art zu beleuchten und ist dank der Vielfalt an verschiedenen Varianten und Bauformen ein echtes „Multitalent“.

Mit Abstrahlwinkeln von 2x20°, 2x30°, 2x40°, 2x50° und einem Wallwasher-Reflektor, kann mit der Junior-Serie jede lichttechnische Herausforderung gemeistert werden.

Auch konventionelle Halogen-Downlights können problemlos mit unserem Junior langfristig ersetzt werden.






Our Junior-Downlight-series is perfectly suitable to illuminate all types of rooms and spaces. Thanks to the huge variety of configuration options and mounting types, this luminaire can be called a true “Multi-Talent”.





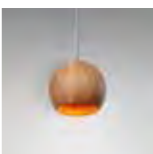
With beam angles of 2x20°, 2x30°, 2x40°, 2x50° and one asymmetrical Wall washer-Reflector, the Junior series can be your solution for any light-technical challenge.

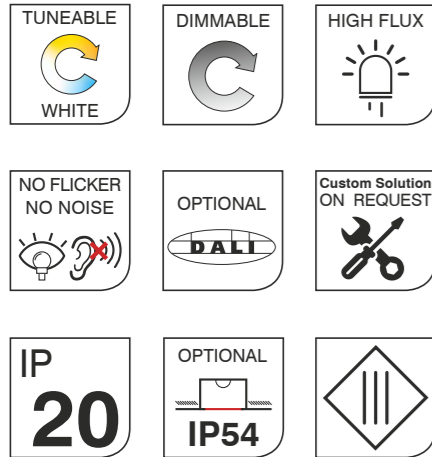
Also conventional halogen-downlights can be easily replaced with our Junior-Downlight.

## JUNIOR

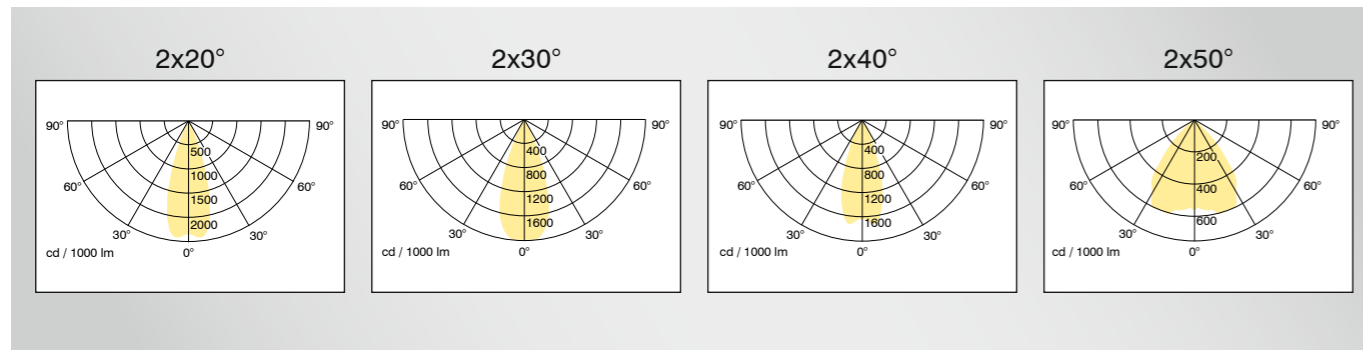
### PRODUKTE / PRODUCTS

		Seite/Page
	<b>Junior Downlight Einbau/Recessed</b>	124
	Mono	
	High Flux	
	Tuneable white	
	<b>Junior Downlight schwenkbar Einbau/Tilt Recessed</b>	128
	Mono	
	High Flux	
	Tuneable white	
	<b>JUNIOR Gelenkstrahler Anbau/Tilt mounted</b>	131
	Mono	
	<b>JUNIOR Pendelrohr Anbau/Pendant mounted</b>	133
	Mono	
	Tuneable white	
	<b>Junior Stromschiene/Track</b>	136
	Mono	
	Tuneable white	

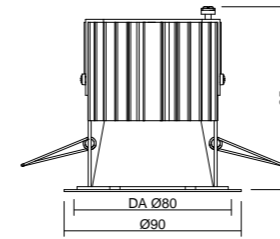
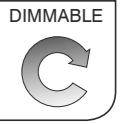
		Seite/Page
	<b>Junior Tube Anbau/Surface mounted</b>	139
	Mono	
	Tuneable white	
	<b>Junior Tube Stromschiene/Track</b>	142
	Mono	
	Tuneable white	
	<b>Junior Cone Halbeinbau/Semi recessed</b>	145
	Mono	
	Tuneable white	
	<b>Junior Cone Stromschiene/Track</b>	148
	Mono	
	Tuneable white	
	<b>Junior Bowl Pendel/Pendant</b>	151
	Mono	
	Tuneable white	



Lichtpunktabstand/Light point distance:	n/a
Treiber/Driver:	Extern/External
Leistung/Wattage:	12W – 24W
Lichtstrom/Luminous Flux:	1794 lm – 2400 lm
Lichtverteilung/Beam angle:	2x20°, 2x30°, 2x40°, 2x50°
Wirkungsgrad/Efficiency:	>85%
Farbtemperatur/Color Temperature:	2200K – 5700K
CRI:	>80, >90
Schutzklasse/Protection Class:	3
IP-Schutz/IP-Protection:	IP20, IP54 (optional)
Oberfläche Gehäuse/Casing Finish:	Pulverbeschichtet/Powder Coated
Sonderausführung/Custom versions:	Auf Anfrage/On request

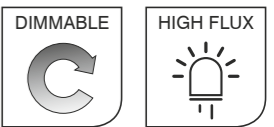


MONO

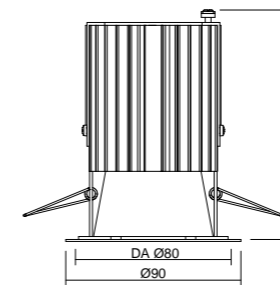


Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux	
	012 = 12W	016 = 16W
1001	1794 lm	2100 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

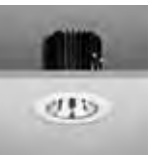


HIGH FLUX



Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux	
	024 = 24W	
1002	2400 lm	

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

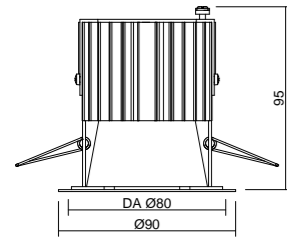
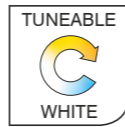


ARTIKELNUMMER / ARTICLE NUMBER:

Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1001	012 = 12W	X = Ohne/None	B = 2x20°	27 = 2700K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
	016 = 16W	Y = DALI	C = 2x30°	30 = 3000K	9 = 90	02 = RAL 9006 ●	A = Schutzscheibe/ Cover Glass
1002	024 = 24W	Z = On/Off	D = 2x40°	35 = 3500K		03 = RAL 9005 ●	
			E = 2x50°	40 = 4000K		04 = RAL 7016 ●	
				50 = 5000K		05 = DB703 ●	
				57 = 5700K			

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

# TUNEABLE WHITE



Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux
	016 = 16W
1003	809 lm / 925 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



*Auch als Wallwasher-Variante möglich.*

*Also possible as a wallwasher version.*

ARTIKELNUMMER / ARTICLE NUMBER:

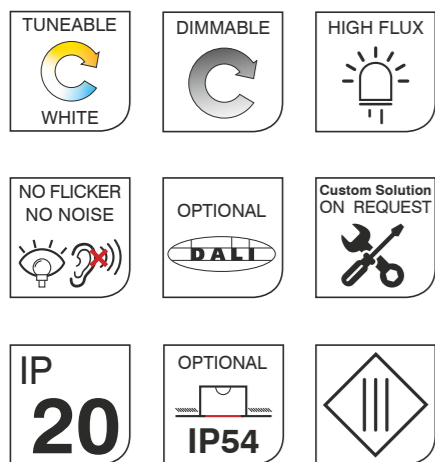
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Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1003	016 = 16W	X = Ohne/None	B = 2x20°	T1 = 2200K - 4000K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
			W = DALI DT8	C = 2x30°	T2 = 2200K - 4500K	9 = 90	02 = RAL 9006 ●
			D = 2x40°	T3 = 2200K - 5000K		03 = RAL 9005 ●	
			E = 2x50°	T4 = 2200K - 5700K*		04 = RAL 7016 ●	
				T5 = 2700K - 4000K		05 = DB703 ●	
				T6 = 2700K - 4500K			
				T7 = 2700K - 5000K			
				T8 = 2700K - 5700K*			

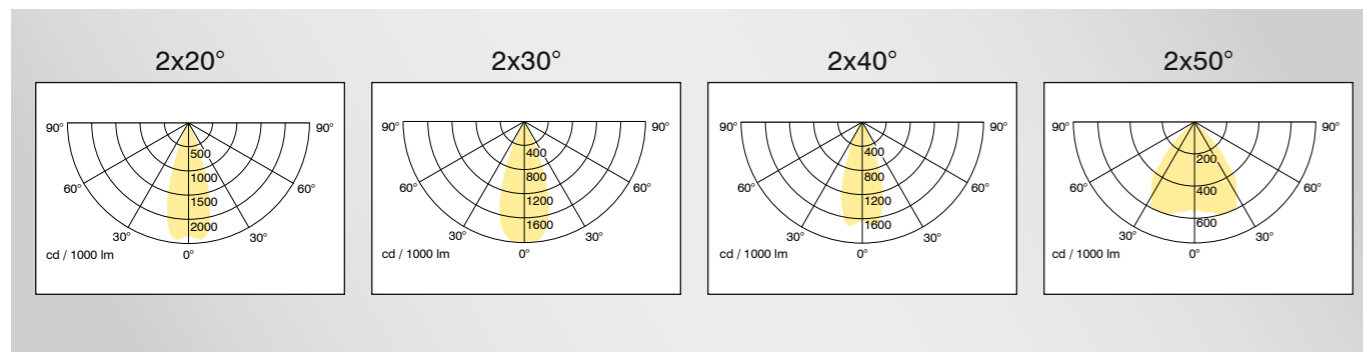
Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

\* 5700K nur CRI 80/ 5700K only CRI 80

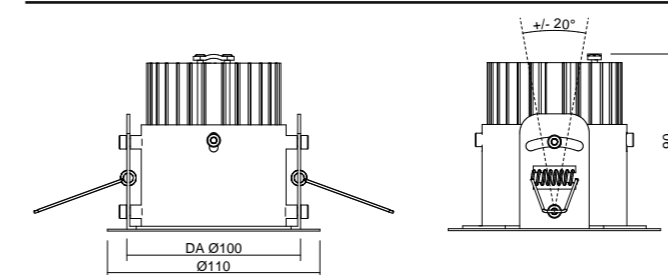
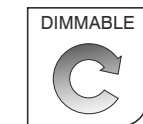




Lichtpunktabstand/Light point distance:	n/a
Treiber/Driver:	Extern/External
Leistung/Wattage:	12W – 24W
Lichtstrom/Luminous Flux:	1794 lm – 2400 lm
Lichtverteilung/Beam angle:	2x20°, 2x30°, 2x40°, 2x50°
Wirkungsgrad/Efficiency:	> 85%
Farbtemperatur/Color Temperature:	2200K – 5700K
CRI:	> 80, > 90
Schutzklasse/Protection Class:	3
IP-Schutz/IP-Protection:	IP20, IP54 (optional)
Oberfläche Gehäuse/Casing Finish:	Pulverbeschichtet/Powder Coated
Sonderausführung/Custom versions:	Auf Anfrage/On request



MONO

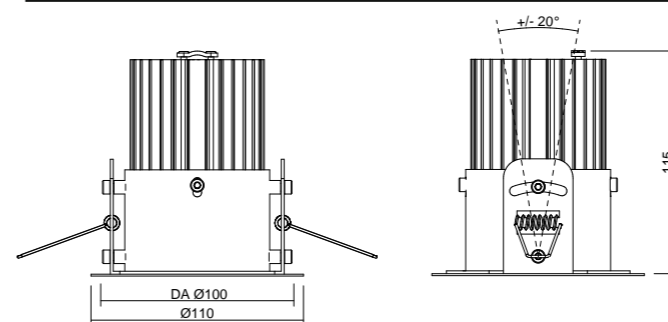


Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux	
	012 = 12W	016 = 16W
1004	1794 lm	2100 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



HIGH FLUX



Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux	
	024 = 24W	
1005	2400 lm	

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

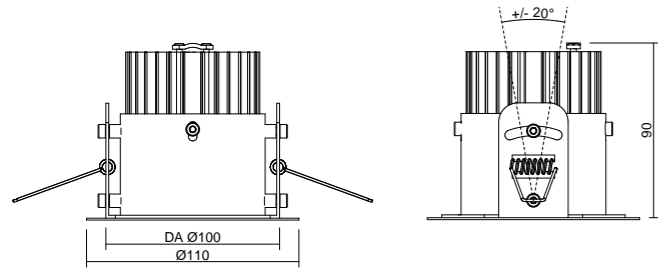
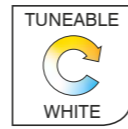


ARTIKELNUMMER / ARTICLE NUMBER:

Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI	Farbe Color Finish	Extras Accessories
1004	012 = 12W	X = Ohne/None	B = 2x20°	27 = 2700K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
	016 = 16W	Y = DALI	C = 2x30°	30 = 3000K	9 = 90	02 = RAL 9006 ●	A = Schutzscheibe/ Cover Glass
1005	024 = 24W	Z = On/Off	D = 2x40°	35 = 3500K		03 = RAL 9005 ●	
			E = 2x50°	40 = 4000K		04 = RAL 7016 ●	
				50 = 5000K		05 = DB703 ●	
				57 = 5700K			

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

# TUNEABLE WHITE



Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux
016 = 16W	
1006	809 lm / 925 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



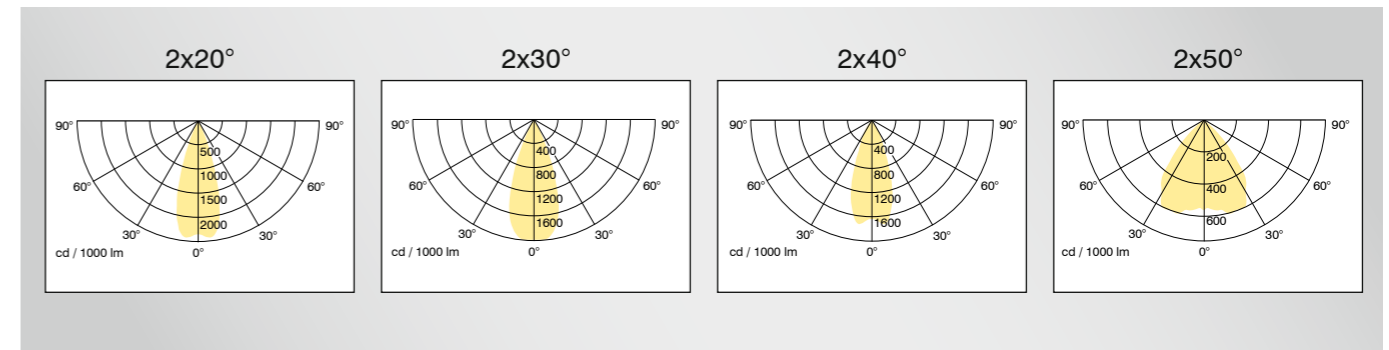
ARTIKELNUMMER / ARTICLE NUMBER:

Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories	
1006	016 = 16W	X = Ohne/None	B = 2x20°	T1 = 2200K - 4000K	8 = 80	01 = RAL 9016	X = Ohne/None	
			W = DALI DT8	C = 2x30°	T2 = 2200K - 4500K	9 = 90	02 = RAL 9006	A = Schutzscheibe/ Cover Glass
			D = 2x40°	T3 = 2200K - 5000K		03 = RAL 9005		
			E = 2x50°	T4 = 2200K - 5700K*		04 = RAL 7016		
				T5 = 2700K - 4000K		05 = DB703		
				T6 = 2700K - 4500K				
				T7 = 2700K - 5000K				
				T8 = 2700K - 5700K*				

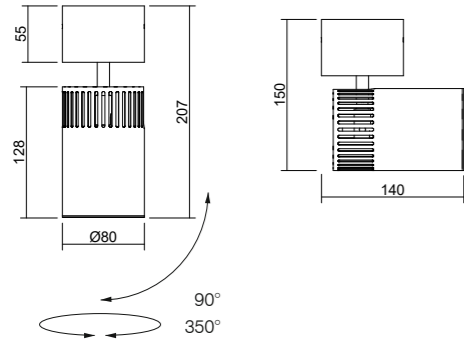
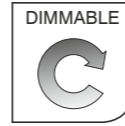
Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible  
\* 5700K nur CRI 80 / 5700K only CRI 80



Lichtpunkt Abstand / Light point distance:	n/a
Treiber / Driver:	Integriert / Integrated
Leistung / Wattage:	12W - 16W
Lichtstrom / Luminous Flux:	809 lm - 1794 lm
Lichtverteilung / Beam angle:	2x20°, 2x30°, 2x40°, 2x50°
Wirkungsgrad / Efficiency:	> 85%
Farbtemperatur / Color Temperature:	2200K - 5700K
CRI:	> 80, > 90
Schutzklasse / Protection Class:	1
IP-Schutz / IP-Protection:	IP20, IP54 (optional)
Oberfläche Gehäuse / Casing Finish:	Pulverbeschichtet / Powder Coated
Sonderausführung / Custom versions:	Auf Anfrage / On request



MONO



Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux
	012 = 12W
1022	1794 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



ARTIKELNUMMER / ARTICLE NUMBER:

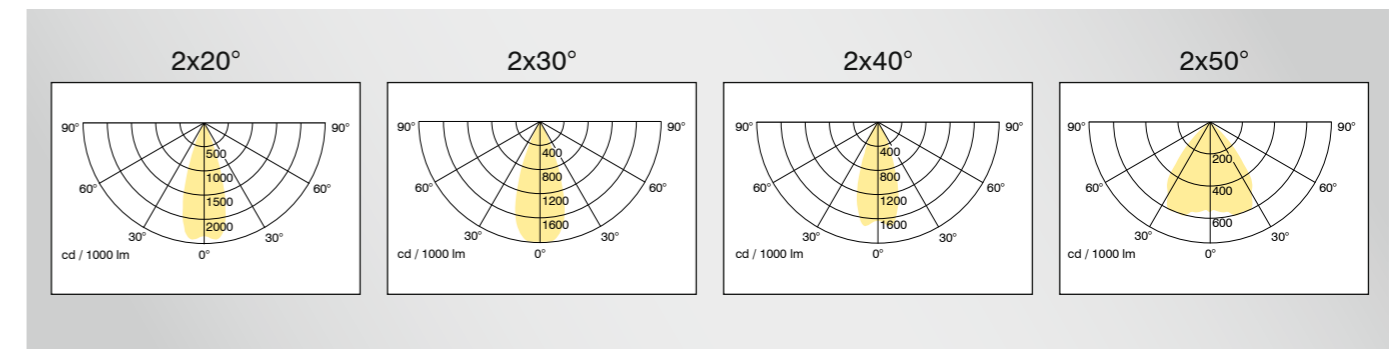
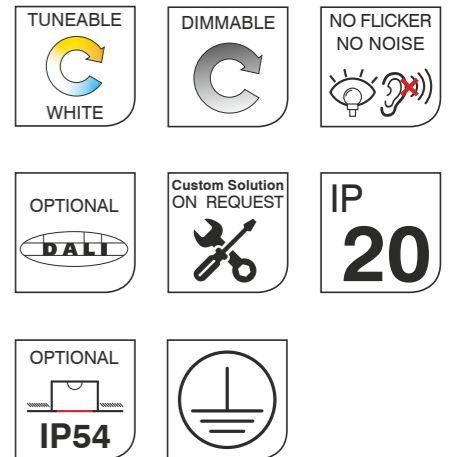


Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1022	012 = 12W	X = Ohne/None	B = 2x20°	27 = 2700K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
		Z = On/Off	C = 2x30°	30 = 3000K	9 = 90	02 = RAL 9006 ●	A = Schutzscheibe/ Cover Glass
			D = 2x40°	35 = 3500K		03 = RAL 9005 ●	
			E = 2x50°	40 = 4000K		04 = RAL 7016 ●	
				50 = 5000K		05 = DB703 ●	
				57 = 5700K			

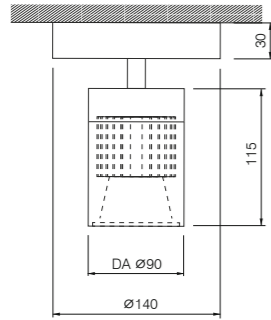
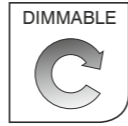
Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible



Lichtpunkt Abstand/Light point distance:	n/a
Treiber/Driver:	Integriert/Integrated
Leistung/Wattage:	12W – 16W
Lichtstrom/Luminous Flux:	809 lm – 1794 lm
Lichtverteilung/Beam angle:	2x20°, 2x30°, 2x40°, 2x50°
Wirkungsgrad/Efficiency:	> 85%
Farbtemperatur/Color Temperature:	2200K – 5700K
CRI:	> 80, > 90
Schutzklasse/Protection Class:	1
IP-Schutz/IP-Protection:	IP20, IP54 (optional)
Oberfläche Gehäuse/Casing Finish:	Pulverbeschichtet/Powder Coated
Sonderausführung/Custom versions:	Auf Anfrage/On request



# MONO



Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux
	012 = 12W
1013	1794 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

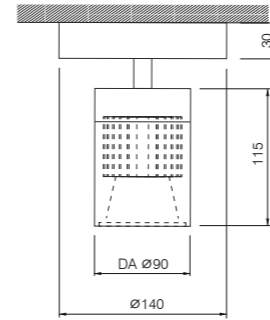


ARTIKELNUMMER / ARTICLE NUMBER:

Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1013	012 = 12W	X = Ohne/None	B = 2x20°	27 = 2700K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
		Y = DALI	C = 2x30°	30 = 3000K	9 = 90	02 = RAL 9006 ●	A = Schutzscheibe/ Cover Glass
		Z = On/Off	D = 2x40°	35 = 3500K		03 = RAL 9005 ●	
			E = 2x50°	40 = 4000K		04 = RAL 7016 ●	
				50 = 5000K		05 = DB703 ●	
				57 = 5700K			

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

# TUNEABLE WHITE



Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux
	016 = 16W
1015	809 lm / 925 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

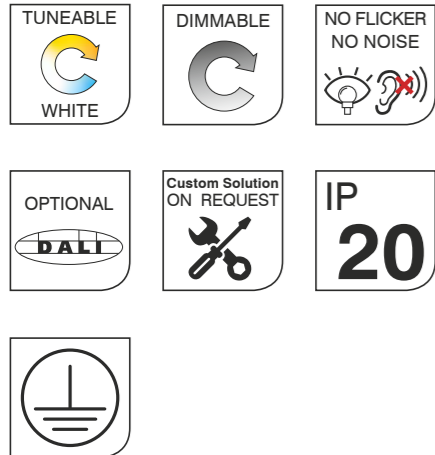


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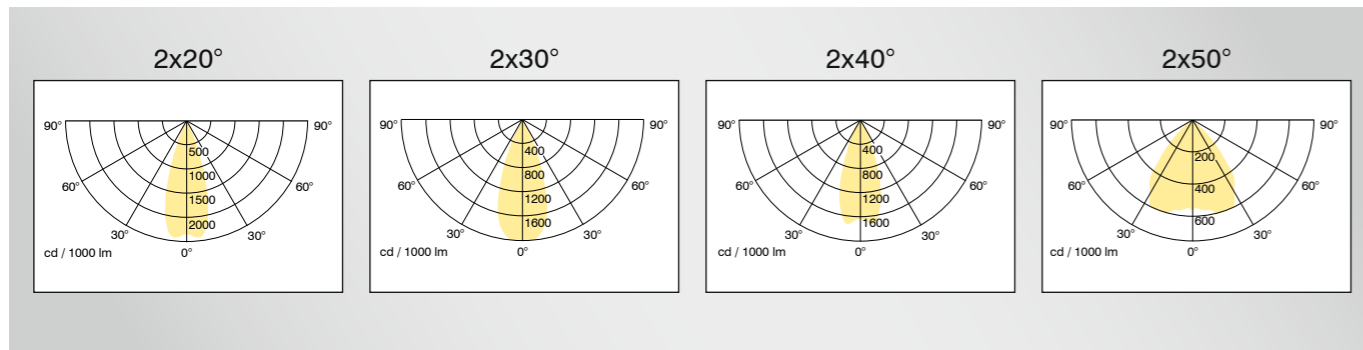
Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1015	016 = 16W	X = Ohne/None	B = 2x20°	T1 = 2200K - 4000K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
		W = DALI DT8	C = 2x30°	T2 = 2200K - 4500K	9 = 90	02 = RAL 9006 ●	A = Schutzscheibe/ Cover Glass
			D = 2x40°	T3 = 2200K - 5000K		03 = RAL 9005 ●	
			E = 2x50°	T4 = 2200K - 5700K*		04 = RAL 7016 ●	
				T5 = 2700K - 4000K		05 = DB703 ●	
				T6 = 2700K - 4500K			
				T7 = 2700K - 5000K			
				T8 = 2700K - 5700K*			

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

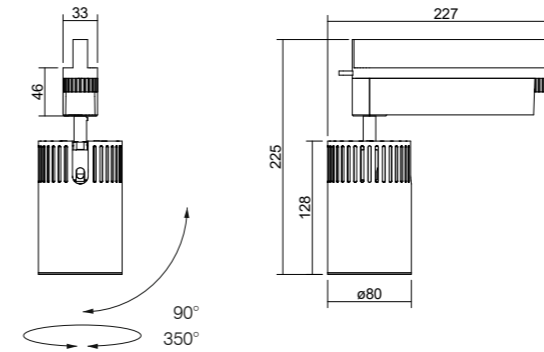
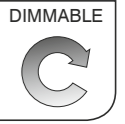
\*5700K nur CRI 80/ 5700K only CRI 80



Lichtpunktabstand/Light point distance:	n/a
Treiber/Driver:	Integriert/Integrated
Leistung/Wattage:	12W – 16W
Lichtstrom/Luminous Flux:	809 lm – 1794 lm
Lichtverteilung/Beam angle:	2x20°, 2x30°, 2x40°, 2x50°
Wirkungsgrad/Efficiency:	>85%
Farbtemperatur/Color Temperature:	2200K – 5700K
CRI:	>80, >90
Schutzklasse/Protection Class:	1
IP-Schutz/IP-Protection:	IP20
Oberfläche Gehäuse/Casing Finish:	Pulverbeschichtet/Powder Coated
Sonderausführung/Custom versions:	Auf Anfrage/On request



MONO



Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux
1037	012 = 12W 1794 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

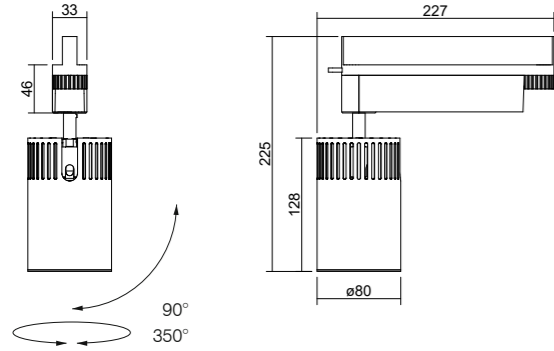
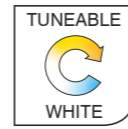


ARTIKELNUMMER / ARTICLE NUMBER:

Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI	Farbe Color Finish	Extras Accessories
1037	012 = 12W	X = Ohne/None	B = 2x20°	27 = 2700K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
		Y = DALI	C = 2x30°	30 = 3000K	9 = 90	02 = RAL 9006 ●	A = Schutzscheibe/ Cover Glass
		Z = On/Off	D = 2x40°	35 = 3500K		03 = RAL 9005 ●	
			E = 2x50°	40 = 4000K		04 = RAL 7016 ●	
				50 = 5000K		05 = DB703 ●	
				57 = 5700K			

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

# TUNEABLE WHITE



Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux
016 = 16W	
1039	809 lm / 925 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



ARTIKELNUMMER / ARTICLE NUMBER:

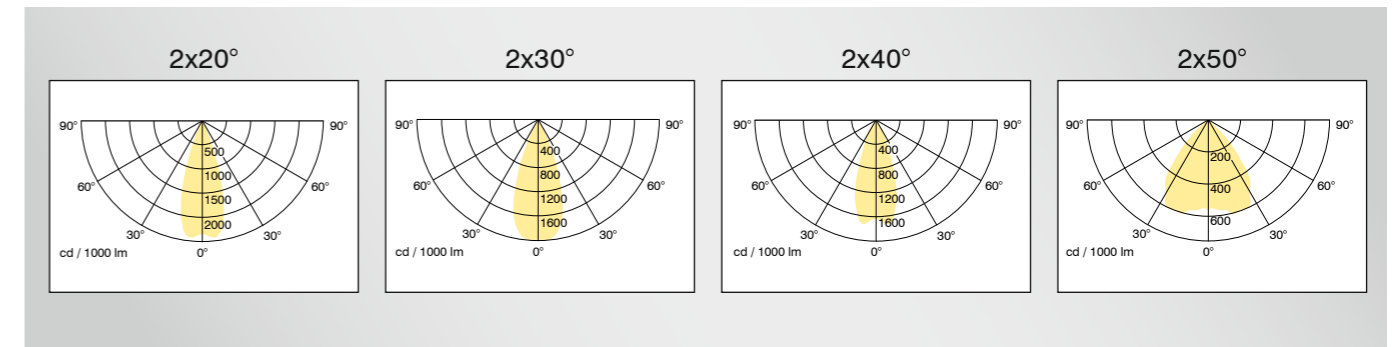
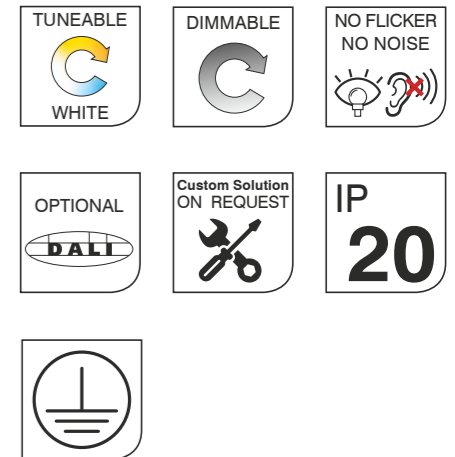
Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1039	016 = 16W	X = Ohne/None	B = 2x20°	T1 = 2200K - 4000K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
		W = DALI DT8	C = 2x30°	T2 = 2200K - 4500K	9 = 90	02 = RAL 9006 ●	A = Schutzscheibe/ Cover Glass
			D = 2x40°	T3 = 2200K - 5000K		03 = RAL 9005 ●	
			E = 2x50°	T4 = 2200K - 5700K*		04 = RAL 7016 ●	
				T5 = 2700K - 4000K		05 = DB703 ●	
				T6 = 2700K - 4500K			
				T7 = 2700K - 5000K			
				T8 = 2700K - 5700K*			

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

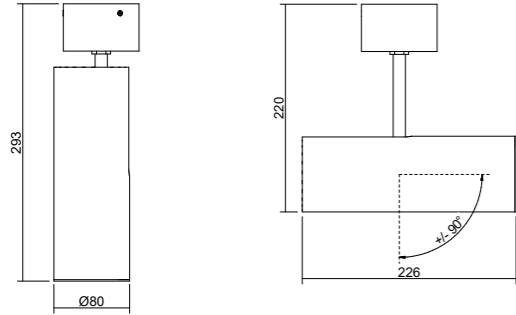
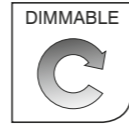
\*5700K nur CRI 80/ 5700K only CRI 80



Lichtpunktabstand/Light point distance:	n/a
Treiber/Driver:	Integriert/Integrated
Leistung/Wattage:	12W – 16W
Lichtstrom/Luminous Flux:	1794 lm – 2530 lm
Lichtverteilung/Beam angle:	2x20°, 2x30°, 2x40°, 2x50°
Wirkungsgrad/Efficiency:	> 85%
Farbtemperatur/Color Temperature:	2200K – 5700K
CRI:	> 80, > 90
Schutzklasse/Protection Class:	1
IP-Schutz/IP-Protection:	IP20
Oberfläche Gehäuse/Casing Finish:	Pulverbeschichtet/Powder Coated
Sonderausführung/Custom versions:	Auf Anfrage/On request

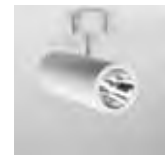


# MONO



Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux	
	012 = 12W	016 = 16W
1016	1794 lm	2530 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

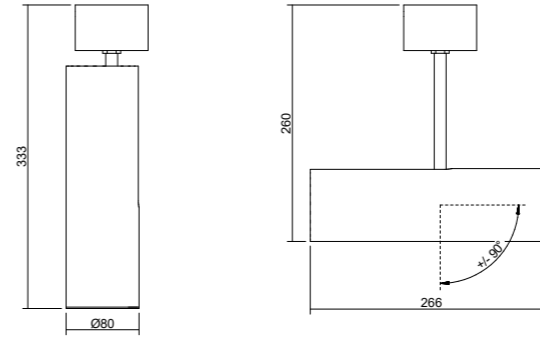


ARTIKELNUMMER / ARTICLE NUMBER:

Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1016	012 = 12W	X = Ohne/None	B = 2x20°	27 = 2700K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
		Y = DALI	C = 2x30°	30 = 3000K	9 = 90	02 = RAL 9006 ●	A = Schutzscheibe/ Cover Glass
	Z = On/Off	D = 2x40°	35 = 3500K		03 = RAL 9005 ●		
		E = 2x50°	40 = 4000K		04 = RAL 7016 ●		
			50 = 5000K		05 = DB703 ●		
	016 = 16W			57 = 5700K			

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

# TUNEABLE WHITE



Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux	
	016 = 16W	
1018	809 lm / 925 lm	

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

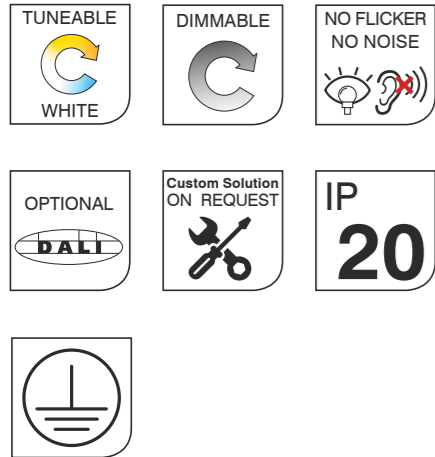


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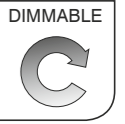
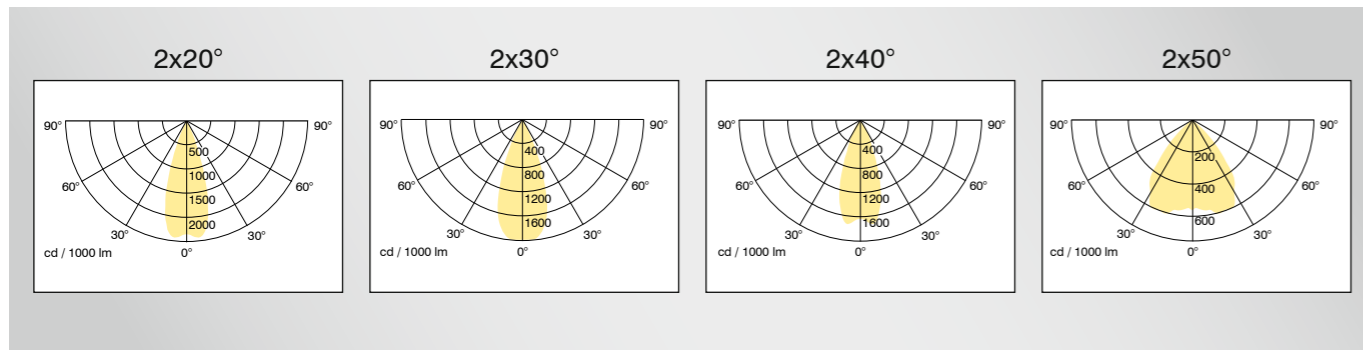
Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1018	016 = 16W	X = Ohne/None	B = 2x20°	T1 = 2200K - 4000K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
			W = DALI DT8	C = 2x30°	T2 = 2200K - 4500K	9 = 90	02 = RAL 9006 ●
			D = 2x40°	T3 = 2200K - 5000K		03 = RAL 9005 ●	
			E = 2x50°	T4 = 2200K - 5700K*		04 = RAL 7016 ●	
				T5 = 2700K - 4000K		05 = DB703 ●	
				T6 = 2700K - 4500K			
				T7 = 2700K - 5000K			
				T8 = 2700K - 5700K*			

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

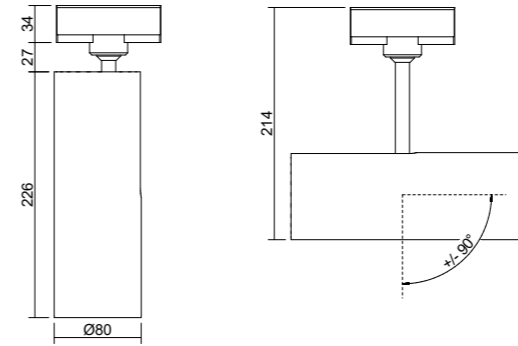
\*5700K nur CRI 80/ 5700K only CRI 80



Lichtpunktabstand/Light point distance:	n/a
Treiber/Driver:	Integriert/Integrated
Leistung/Wattage:	12W – 16W
Lichtstrom/Luminous Flux:	1794 lm – 2530 lm
Lichtverteilung/Beam angle:	2x20°, 2x30°, 2x40°, 2x50°
Wirkungsgrad/Efficiency:	>85%
Farbtemperatur/Color Temperature:	2200K – 5700K
CRI:	>80, >90
Schutzklasse/Protection Class:	1
IP-Schutz/IP-Protection:	IP20
Oberfläche Gehäuse/Casing Finish:	Pulverbeschichtet/Powder Coated
Sonderausführung/Custom versions:	Auf Anfrage/On request



MONO



Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux	
	012 = 12W	016 = 16W
1040	1794 lm	2530 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



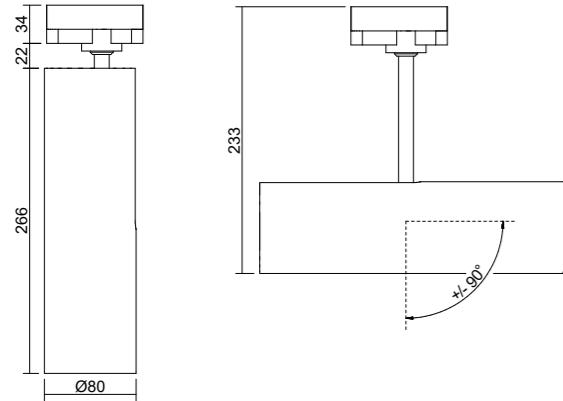
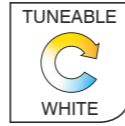
ARTIKELNUMMER / ARTICLE NUMBER:

Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI	Farbe Color Finish	Extras Accessories
1040	012 = 12W	X = Ohne/None	B = 2x20°	27 = 2700K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
	016 = 16W	Y = DALI	C = 2x30°	30 = 3000K	9 = 90	02 = RAL 9006 ●	A = Schutzscheibe/ Cover Glass
		Z = On/Off	D = 2x40°	35 = 3500K		03 = RAL 9005 ●	
			E = 2x50°	40 = 4000K		04 = RAL 7016 ●	
				50 = 5000K		05 = DB703 ●	
				57 = 5700K			

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible



# TUNEABLE WHITE



Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux
1042	016 = 16W 808 lm / 928 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



ARTIKELNUMMER / ARTICLE NUMBER:

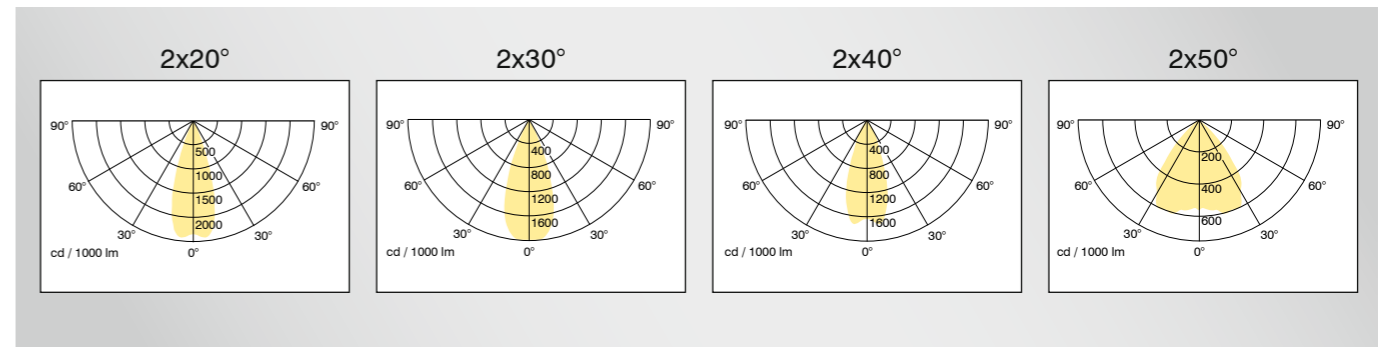
Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1042	016 = 16W	X = Ohne/None	B = 2x20°	T1 = 2200K - 4000K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
		Y = DALI	C = 2x30°	T2 = 2200K - 4500K	9 = 90	02 = RAL 9006 ●	A = Schutzscheibe/ Cover Glass
			D = 2x40°	T3 = 2200K - 5000K		03 = RAL 9005 ●	
			E = 2x50°	T4 = 2200K - 5700K*		04 = RAL 7016 ●	
				T5 = 2700K - 4000K		05 = DB703 ●	
				T6 = 2700K - 4500K			
				T7 = 2700K - 5000K			
				T8 = 2700K - 5700K*			

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

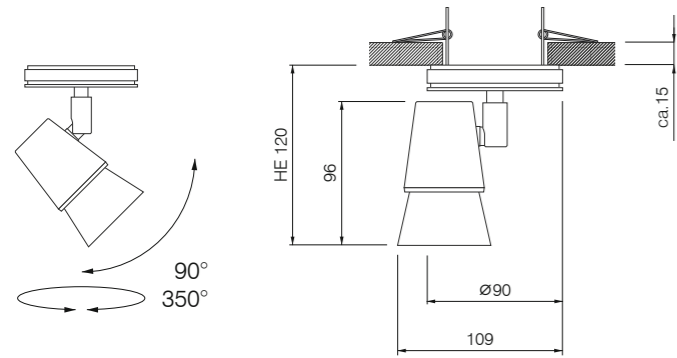
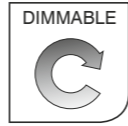
\*5700K nur CRI 80/ 5700K only CRI 80



Lichtpunktabstand/Light point distance:	n/a
Treiber/Driver:	Extern/External
Leistung/Wattage:	8W
Lichtstrom/Luminous Flux:	400 lm - 1086 lm
Lichtverteilung/Beam angle:	2x20°, 2x30°, 2x40°, 2x50°
Wirkungsgrad/Efficiency:	> 85%
Farbtemperatur/Color Temperature:	2200K - 5700K
CRI:	> 80, > 90
Schutzklasse/Protection Class:	3
IP-Schutz/IP-Protection:	IP20
Oberfläche Gehäuse/Casing Finish:	Aluminium Hochglanz/Aluminum high gloss
Sonderausführung/Custom versions:	Auf Anfrage/On request



MONO



Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux
	008 = 8W
1025	1086 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

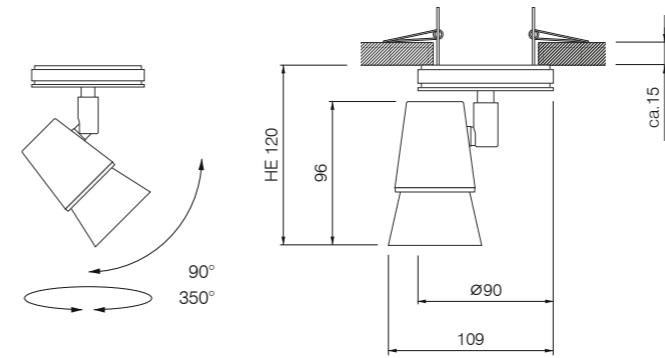
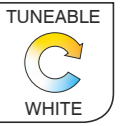


ARTIKELNUMMER / ARTICLE NUMBER:

Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1025	008 = 8W	X = Ohne/None	B = 2x20°	27 = 2700K	8 = 80	06 =  Aluminium Hochglanz Aluminum high gloss	X = Ohne/None
			Y = DALI	C = 2x30°	30 = 3000K	9 = 90	A = Schutzscheibe/ Cover Glass
			Z = On/Off	D = 2x40°	35 = 3500K		
			E = 2x50°	40 = 4000K			
			50 = 5000K				
				57 = 5700K			

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

TUNEABLE WHITE



Produkt ID	Verbrauch + Lichtstrom/Wattage + Luminous Flux
	008 = 8W
1027	400 lm / 450 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

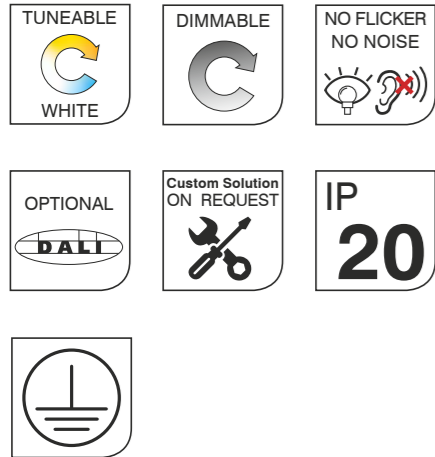


ARTIKELNUMMER / ARTICLE NUMBER:

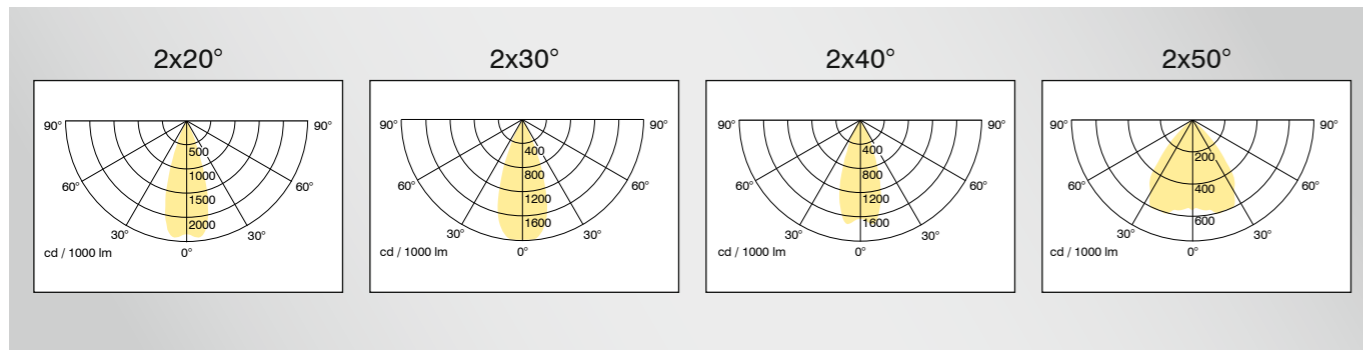
Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories	
1027	008 = 8W	X = Ohne/None	B = 2x20°	T1 = 2200K - 4000K	8 = 80	06 =  Aluminium Hochglanz Aluminum high gloss	X = Ohne/None	
				W = DALI DT8	C = 2x30°	T2 = 2200K - 4500K	9 = 90	A = Schutzscheibe/ Cover Glass
					D = 2x40°	T3 = 2200K - 5000K		
					E = 2x50°	T4 = 2200K - 5700K*		
						T5 = 2700K - 4000K		
						T6 = 2700K - 4500K		
						T7 = 2700K - 5000K		
						T8 = 2700K - 5700K*		

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

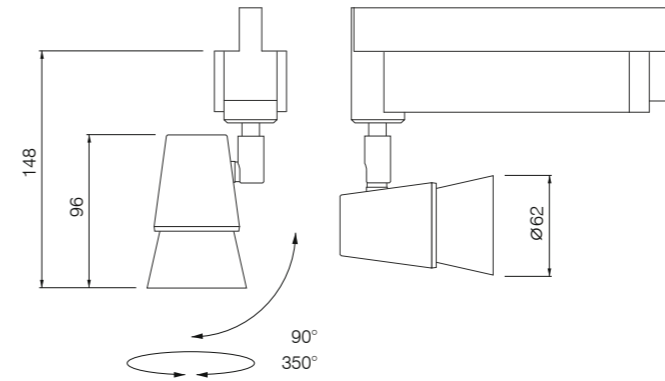
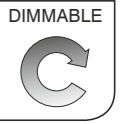
\* 5700K nur CRI 80/ 5700K only CRI 80



Lichtpunktabstand/Light point distance:	n/a
Treiber/Driver:	Integriert/Integrated
Leistung/Wattage:	8W
Lichtstrom/Luminous Flux:	400 lm - 1086 lm
Lichtverteilung/Beam angle:	2x20°, 2x30°, 2x40°, 2x50°
Wirkungsgrad/Efficiency:	> 85%
Farbtemperatur/Color Temperature:	2200K - 5700K
CRI:	> 80, > 90
Schutzklasse/Protection Class:	1
IP-Schutz/IP-Protection:	IP20
Oberfläche Gehäuse/Casing Finish:	Aluminium Hochglanz/Aluminum high gloss
Sonderausführung/Custom versions:	Auf Anfrage/On request



MONO



Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux
1028	008 = 8W 1086 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

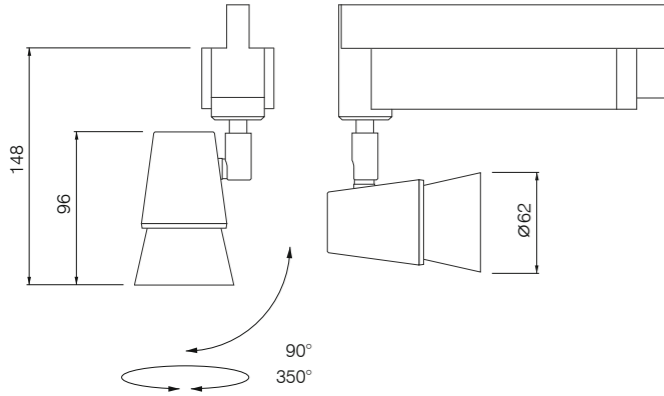
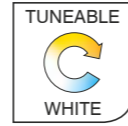


ARTIKELNUMMER / ARTICLE NUMBER:

Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI	Farbe Color Finish	Extras Accessories
1028	008 = 8W	X = Ohne/None	B = 2x20°	27 = 2700K	8 = 80	06 =  Aluminium Hochglanz/ Aluminum high gloss	X = Ohne/None
		Y = DALI	C = 2x30°	30 = 3000K	9 = 90		A = Schutzscheibe/ Cover Glass
		Z = On/Off	D = 2x40°	35 = 3500K			
			E = 2x50°	40 = 4000K			
				50 = 5000K			
				57 = 5700K			

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

# TUNEABLE WHITE



Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux
1039	008 = 8W 400 lm / 450 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



ARTIKELNUMMER / ARTICLE NUMBER:

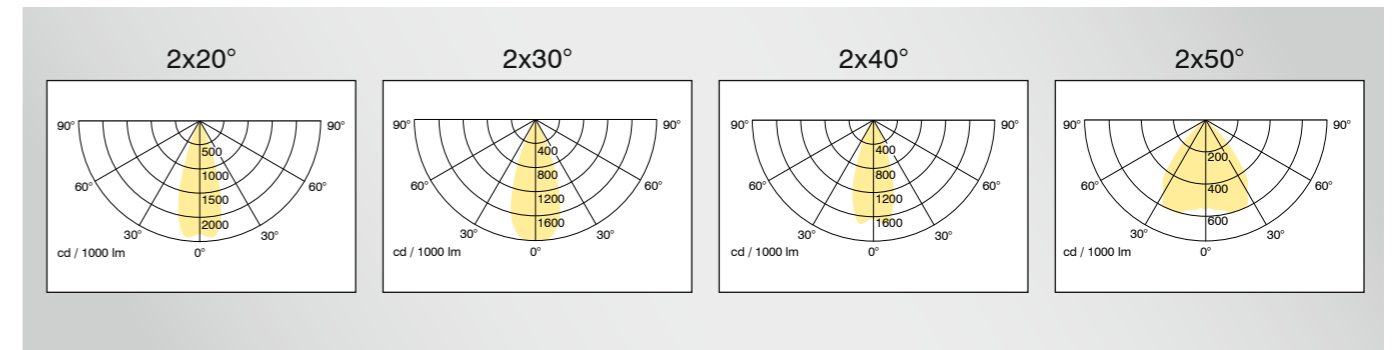
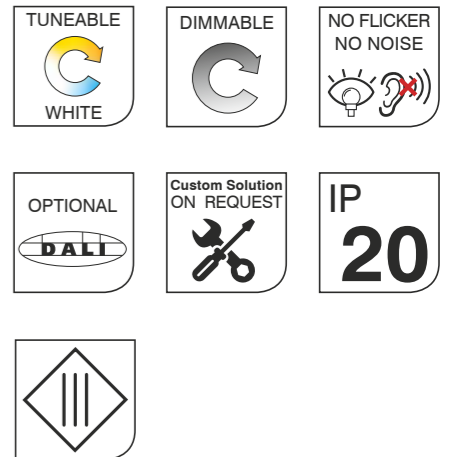
Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1039	008 = 8W	X = Ohne/None	B = 2x20°	T1 = 2200K - 4000K	8 = 80	06 =  Aluminium Hochglanz Aluminum high gloss	X = Ohne/None
		W = DALI DT8	C = 2x30°	T2 = 2200K - 4500K	9 = 90		A = Schutzscheibe/ Cover Glass
			D = 2x40°	T3 = 2200K - 5000K			
			E = 2x50°	T4 = 2200K - 5700K*			
				T5 = 2700K - 4000K			
				T6 = 2700K - 4500K			
				T7 = 2700K - 5000K			
				T8 = 2700K - 5700K*			

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

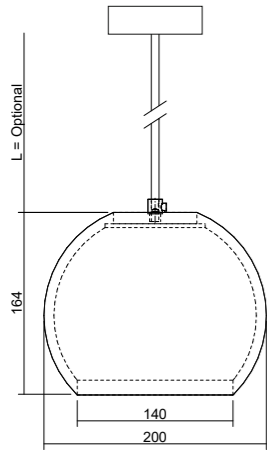
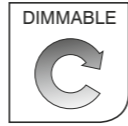
\*5700K nur CRI 80/ 5700K only CRI 80



Lichtpunktstand/Light point distance:	n/a
Treiber/Driver:	Extern/External
Leistung/Wattage:	12W - 16W
Lichtstrom/Luminous Flux:	1794 lm - 2530 lm
Lichtverteilung/Beam angle:	2x20°, 2x30°, 2x40°, 2x50°
Wirkungsgrad/Efficiency:	>85%
Farbtemperatur/Color Temperature:	2200K - 5700K
CRI:	>80, >90
Schutzklasse/Protection Class:	3
IP-Schutz/IP-Protection:	IP20
Oberfläche Gehäuse/Casing Finish:	Eichenholz/Oak Wood
Sonderausführung/Custom versions:	Auf Anfrage/On request

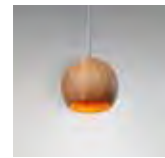


MONO



Produkt ID	Verbrauch + Lichtstrom/Wattage + Luminous Flux	
	012 = 12W	016 = 16W
1034	1794 lm	2530 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

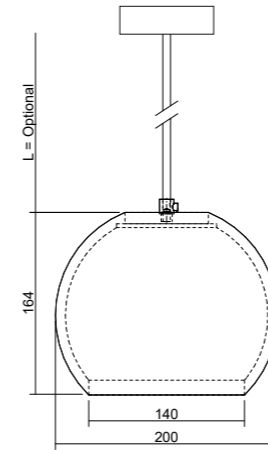


ARTIKELNUMMER / ARTICLE NUMBER:

Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1034	012 = 12W	X = Ohne/None	B = 2x20°	27 = 2700K	8 = 80	07 =  Eichenholz/Oak Wood	X = Ohne/None
	016 = 16W	Y = DALI	C = 2x30°	30 = 3000K	9 = 90		A = Schutzscheibe/ Cover Glass
		Z = On/Off	D = 2x40°	35 = 3500K			
			E = 2x50°	40 = 4000K			
				50 = 5000K			
				57 = 5700K			

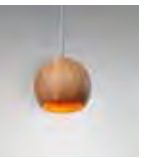
Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

TUNEABLE WHITE



Produkt ID	Verbrauch + Lichtstrom/Wattage + Luminous Flux	
	016 = 16W	
1036	809 lm / 925 lm	

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



ARTIKELNUMMER / ARTICLE NUMBER:

Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1036	016 = 16W	X = Ohne/None	B = 2x20°	T1 = 2200K - 4000K	8 = 80	07 =  Eichenholz/Oak Wood	X = Ohne/None
		W = DALI DT8	C = 2x30°	T2 = 2200K - 4500K	9 = 90		A = Schutzscheibe/ Cover Glass
			D = 2x40°	T3 = 2200K - 5000K			
			E = 2x50°	T4 = 2200K - 5700K*			
				T5 = 2700K - 4000K			
				T6 = 2700K - 4500K			
				T7 = 2700K - 5000K			
				T8 = 2700K - 5700K*			

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible  
\* 5700K nur CRI 80/ 5700K only CRI 80

# WALLWASHER



Unser Wallwasher besticht durch ein schlankes Design und einem hohen Wirkungsgrad bei gleichmäßiger und homogener Lichtverteilung.



Dank des linearen Reflektors, eignet sich diese Leuchte perfekt, um Wände und Gemälde anzustrahlen ohne den Betrachter dabei zu blenden.



Our Wallwasher is characterized by its sleek design and high efficiency, whilst delivering an even and homogenous light distribution.

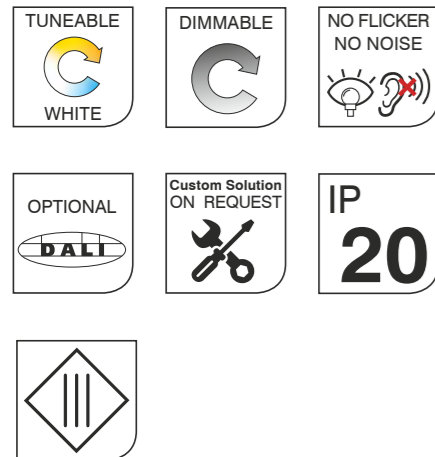
Thanks to the linear reflector, our Wallwasher is the perfect solution to illuminate walls and paintings, without giving a glare-effect to the viewer's eye.

## WALLWASHER

### PRODUKTE / PRODUCTS

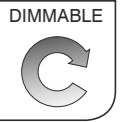
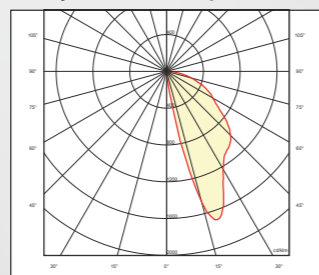
		Seite/Page
	<b>Wallwasher Line 35 Einbau/Recessed</b>	156
	Mono	
	Tuneable white	
	<b>Wallwasher Line 65 Anbau/Surface mounted</b>	159
	Mono	
	Tuneable white	

		Seite/Page
	<b>Wallwasher Line 65 Pendel/Pendant</b>	162
	Mono	
	Tuneable white	
	<b>Wallwasher Line 65 Stromschiene/Track</b>	165
	Mono	
	Tuneable white	



Lichtpunktabstand/Light point distance:	25mm, 50mm
Treiber/Driver:	Extern/External
Leistung/Wattage:	10W – 120W
Lichtstrom/Luminous Flux:	1170 lm – 12780 lm
Lichtverteilung/Beam angle:	Asymmetrisch/Asymmetric
Wirkungsgrad/Efficiency:	>85%
Farbtemperatur/Color Temperature:	2200K – 5700K
CRI:	>80, >90
Schutzklasse/Protection Class:	3
IP-Schutz/IP-Protection:	IP20
Oberfläche Gehäuse/Casing Finish:	Pulverbeschichtet/Powder Coated
Sonderausführung/Custom versions:	Auf Anfrage/On request

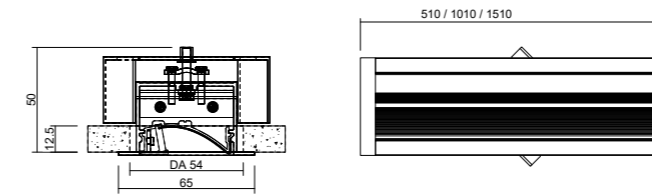
Asymmetrisch/Asymmetric



MONO

WALLWASHER LINE 35 EINBAU / RECESSED LP25

Lichtpunktabstand 25mm/Light point distance 25mm

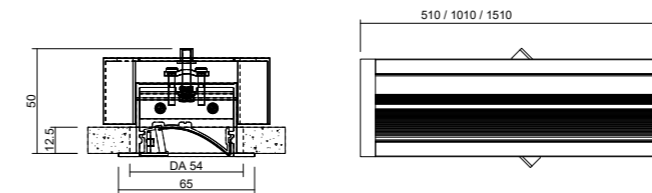


Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux		
	001 = 1W / LED	015 = 1,5W / LED	002 = 2W / LED
1614 = 510mm	20W / 2340 lm	30W / 3200 lm	40W / 4260 lm
1615 = 1010mm	40W / 4680 lm	60W / 6400 lm	80W / 8520 lm
1616 = 1510mm	60W / 7020 lm	90W / 9600 lm	120W / 12780 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

WALLWASHER LINE 35 EINBAU / RECESSED LP50

Lichtpunktabstand 50mm/Light point distance 50mm



Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux		
	001 = 1W / LED	015 = 1,5W / LED	002 = 2W / LED
1617 = 510mm	10W / 1170 lm	15W / 1600 lm	20W / 2130 lm
1618 = 1010mm	20W / 2340 lm	30W / 3200 lm	40W / 4260 lm
1619 = 1510mm	30W / 3510 lm	45W / 4800 lm	60W / 6390 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

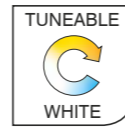


ARTIKELNUMMER / ARTICLE NUMBER:

Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1614	001 = 1W	X = Ohne/None	A = Asymmetrisch/ Asymmetric	27 = 2700K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
1615	015 = 1,5W	Y = DALI		30 = 3000K	9 = 90	02 = RAL 9006 ●	
1616	002 = 2W	Z = On/Off		35 = 3500K		03 = RAL 9005 ●	
1617				40 = 4000K		04 = RAL 7016 ●	
1618				50 = 5000K*		05 = DB703 ●	
1619				57 = 5700K*			

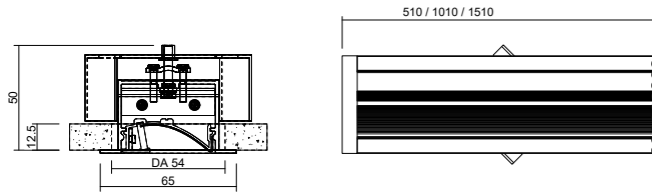
Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible  
\*5000K und 5700K nur CRI 80/ 5000K and 5700K only CRI 80

# TUNEABLE WHITE



## FFF RDB-WALL LINE 35 EINBAU / RECESSED LP25

Lichtpunktabstand 25mm / Light point distance 25mm

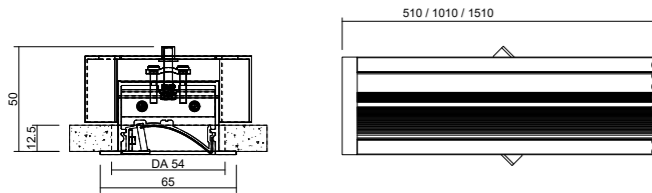


Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux 002 = 2W / LED per Lichtpunkt / Light point
1620 = 510mm	40W / (2020 lm / 2320 lm)
1621 = 1010mm	80W / (4040 lm / 4640 lm)
1622 = 1510mm	120W / (6060 lm / 6960 lm)

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

## FFF RDB-WALL LINE 35 EINBAU / RECESSED LP50

Lichtpunktabstand 50mm / Light point distance 50mm



Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux 002 = 2W / LED per Lichtpunkt / Light point
1623 = 510mm	20W / (1010 lm / 1160 lm)
1624 = 1010mm	40W / (2020 lm / 2320 lm)
1625 = 1510mm	60W / (3030 lm / 3480 lm)

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



ARTIKELNUMMER / ARTICLE NUMBER:

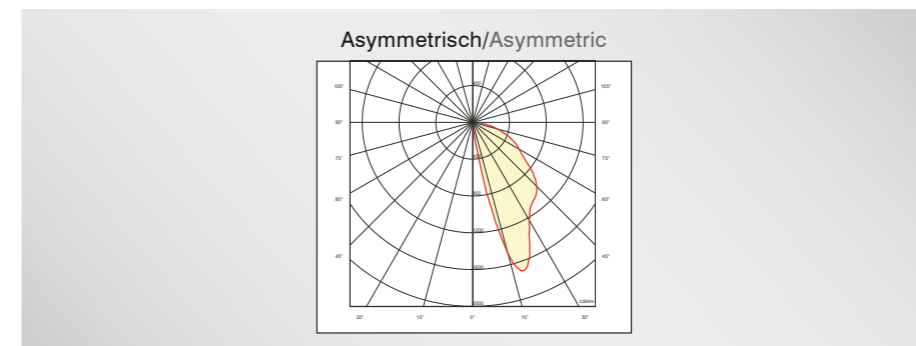
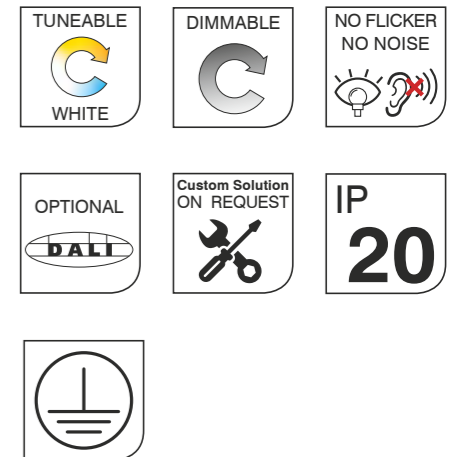
Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI	Farbe Color Finish	Extras Accessories
1620	002 = 2W	X = Ohne/None	A = Asymmetrisch/ Asymmetric	T1 = 2200K - 4000K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
1621		W = DALI DT8		T2 = 2200K - 4500K	9 = 90	02 = RAL 9006 ●	
1622				T3 = 2200K - 5000K		03 = RAL 9005 ●	
1623				T4 = 2200K - 5700K*		04 = RAL 7016 ●	
1624				T5 = 2700K - 4000K		05 = DB703 ●	
1625				T6 = 2700K - 4500K			
				T7 = 2700K - 5000K			
				T8 = 2700K - 5700K*			

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

\*5700K nur CRI 80/ 5700K only CRI 80

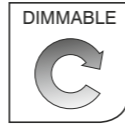


Lichtpunktabstand/Light point distance:	25mm, 50mm
Treiber/Driver:	Integriert/Integrated
Leistung/Wattage:	10W - 120W
Lichtstrom/Luminous Flux:	1170 lm - 12780 lm
Lichtverteilung/Beam angle:	Asymmetrisch/Asymmetric
Wirkungsgrad/Efficiency:	>85%
Farbtemperatur/Color Temperature:	2200K - 5700K
CRI:	>80, >90
Schutzklasse/Protection Class:	1
IP-Schutz/IP-Protection:	IP20
Oberfläche Gehäuse/Casing Finish:	Pulverbeschichtet/Powder Coated
Sonderausführung/Custom versions:	Auf Anfrage/On request

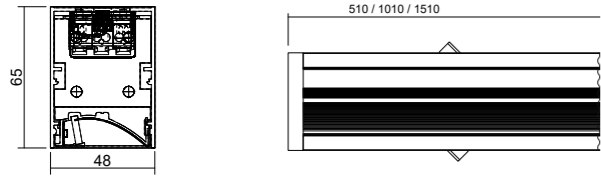




# MONO



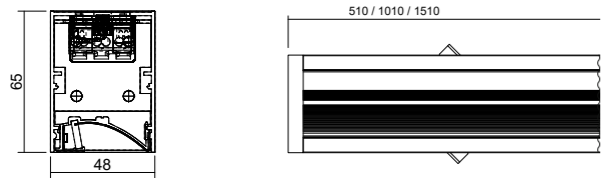
WALLWASHER LINE 65 ANBAU/SURFACE MOUNTED *LP25* **Lichtpunktabstand 25mm/Light point distance 25mm**



Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux		
	001 = 1W / LED	015 = 1,5W / LED	002 = 2W / LED
1650 = 510mm	20W / 2340 lm	30W / 3200 lm	40W / 4260 lm
1651 = 1010mm	40W / 4680 lm	60W / 6400 lm	80W / 8520 lm
1652 = 1510mm	60W / 7020 lm	90W / 9600 lm	120W / 12780 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

WALLWASHER LINE 65 ANBAU/SURFACE MOUNTED *LP50* **Lichtpunktabstand 50mm/Light point distance 50mm**



Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux		
	001 = 1W / LED	015 = 1,5W / LED	002 = 2W / LED
1653 = 510mm	10W / 1170 lm	15W / 1600 lm	20W / 2130 lm
1654 = 1010mm	20W / 2340 lm	30W / 3200 lm	40W / 4260 lm
1655 = 1510mm	30W / 3510 lm	45W / 4800 lm	60W / 6390 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

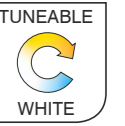


ARTIKELNUMMER / ARTICLE NUMBER:

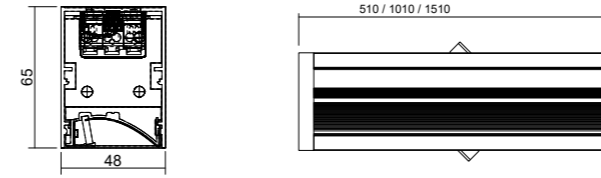
Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI	Farbe Color Finish	Extras Accessories
1650	001 = 1W	X = Ohne/None	A = Asymmetrisch/ Asymmetric	27 = 2700K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
1651	015 = 1,5W	Y = DALI		30 = 3000K	9 = 90	02 = RAL 9006 ●	
1652	002 = 2W	Z = On/Off		35 = 3500K		03 = RAL 9005 ●	
1653				40 = 4000K		04 = RAL 7016 ●	
1654				50 = 5000K*		05 = DB703 ●	
1655				57 = 5700K*			

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible  
\*5000K und 5700K nur CRI 80/ 5000K and 5700K only CRI 80

# TUNEABLE WHITE



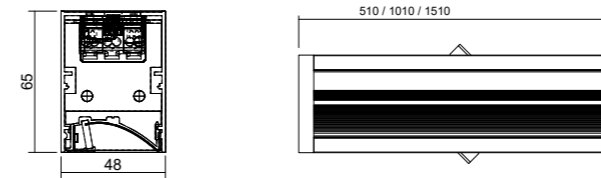
WALLWASHER LINE 65 ANBAU/SURFACE MOUNTED *LP25* **Lichtpunktabstand 25mm/Light point distance 25mm**



Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux
	002 = 2W / LED per Lichtpunkt / Light point
1656 = 510mm	40W / (2020 lm / 2320 lm)
1657 = 1010mm	80W / (4040 lm / 4640 lm)
1658 = 1510mm	120W / (6060 lm / 6960 lm)

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

WALLWASHER LINE 65 ANBAU/SURFACE MOUNTED *LP50* **Lichtpunktabstand 50mm/Light point distance 50mm**



Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux
	002 = 2W / LED per Lichtpunkt / Light point
1659 = 510mm	20W / (1010 lm / 1160 lm)
1660 = 1010mm	40W / (2020 lm / 2320 lm)
1661 = 1510mm	60W / (3030 lm / 3480 lm)

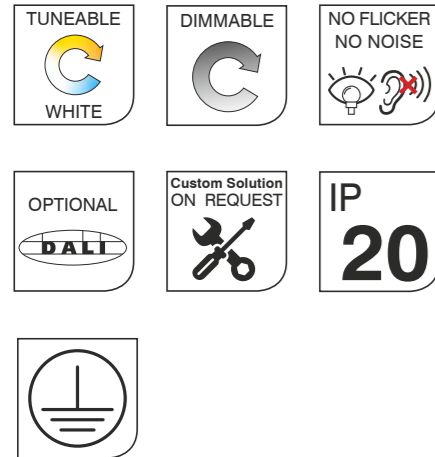
Weitere Sonderausführungen auf Anfrage / Custom solutions on request



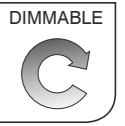
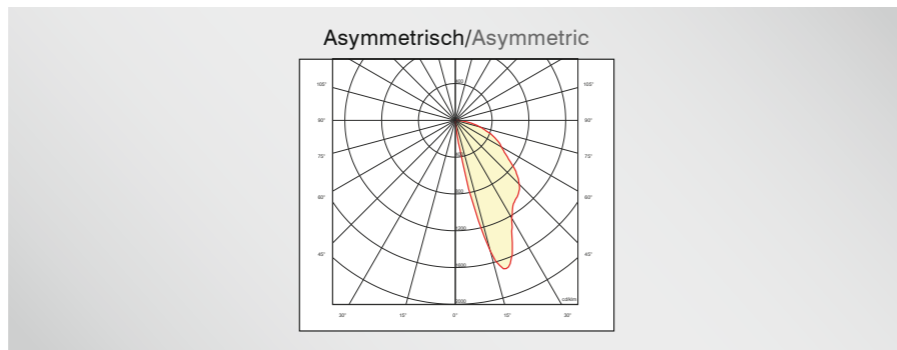
ARTIKELNUMMER / ARTICLE NUMBER:

Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI	Farbe Color Finish	Extras Accessories
1656	002 = 2W	X = Ohne/None	A = Asymmetrisch/ Asymmetric	T1 = 2200K - 4000K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
1657		W = DALI DT8		T2 = 2200K - 4500K	9 = 90	02 = RAL 9006 ●	
1658				T3 = 2200K - 5000K		03 = RAL 9005 ●	
1659				T4 = 2200K - 5700K*		04 = RAL 7016 ●	
1660				T5 = 2700K - 4000K		05 = DB703 ●	
1661				T6 = 2700K - 4500K			
				T7 = 2700K - 5000K			
				T8 = 2700K - 5700K*			

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible  
\*5700K nur CRI 80/ 5700K only CRI 80



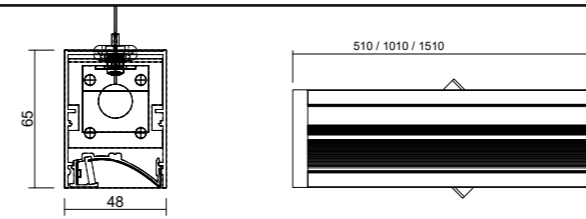
Lichtpunktabstand/Light point distance:	25mm, 50mm
Treiber/Driver:	Integriert/Integrated
Leistung/Wattage:	10W – 120W
Lichtstrom/Luminous Flux:	1170 lm – 12780 lm
Lichtverteilung/Beam angle:	Asymmetrisch/Asymmetric
Wirkungsgrad/Efficiency:	>85%
Farbtemperatur/Color Temperature:	2200K – 5700K
CRI:	>80, >90
Schutzklasse/Protection Class:	1
IP-Schutz/IP-Protection:	IP20
Oberfläche Gehäuse/Casing Finish:	Pulverbeschichtet/Powder Coated
Sonderausführung/Custom versions:	Auf Anfrage/On request



MONO

WALLWASHER LINE 65 PENDEL/PENDANT LP25

Lichtpunktabstand 25mm/Light point distance 25mm

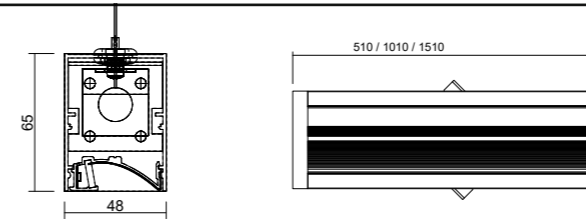


Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux		
	001 = 1W / LED	015 = 1,5W / LED	002 = 2W / LED
1674 = 510mm	20W / 2340 lm	30W / 3200 lm	40W / 4260 lm
1675 = 1010mm	40W / 4680 lm	60W / 6400 lm	80W / 8520 lm
1676 = 1510mm	60W / 7020 lm	90W / 9600 lm	120W / 12780 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

WALLWASHER LINE 65 PENDEL/PENDANT LP50

Lichtpunktabstand 50mm/Light point distance 50mm



Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux		
	001 = 1W / LED	015 = 1,5W / LED	002 = 2W / LED
1677 = 510mm	10W / 1170 lm	15W / 1600 lm	20W / 2130 lm
1678 = 1010mm	20W / 2340 lm	30W / 3200 lm	40W / 4260 lm
1679 = 1510mm	30W / 3510 lm	45W / 4800 lm	60W / 6390 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

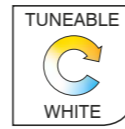
ARTIKELNUMMER / ARTICLE NUMBER:



Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1674	001 = 1W	X = Ohne/None	A = Asymmetrisch/ Asymmetric	27 = 2700K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
1675	015 = 1,5W	Y = DALI		30 = 3000K	9 = 90	02 = RAL 9006 ●	
1676	002 = 2W	Z = On/Off		35 = 3500K		03 = RAL 9005 ●	
1677				40 = 4000K		04 = RAL 7016 ●	
1678				50 = 5000K*		05 = DB703 ●	
1679				57 = 5700K*			

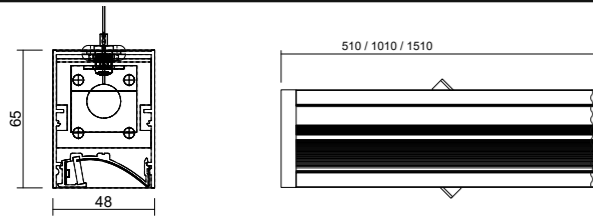
Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible  
\*5000K und 5700K nur CRI 80/ 5000K and 5700K only CRI 80

# TUNEABLE WHITE



## WALLWASHER LINE 65 PENDEL/PENDANT LP25

Lichtpunktabstand 25mm/Light point distance 25mm

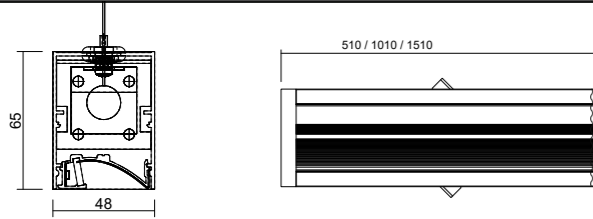


Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux 002 = 2W / LED per Lichtpunkt / Light point
1680 = 510mm	40W / (2020 lm / 2320 lm)
1681 = 1010mm	80W / (4040 lm / 4640 lm)
1682 = 1510mm	120W / (6060 lm / 6960 lm)

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

## WALLWASHER LINE 65 PENDEL/PENDANT LP50

Lichtpunktabstand 50mm/Light point distance 50mm



Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux 002 = 2W / LED per Lichtpunkt / Light point
1683 = 510mm	20W / (1010 lm / 1160 lm)
1684 = 1010mm	40W / (2020 lm / 2320 lm)
1685 = 1510mm	60W / (3030 lm / 3480 lm)

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



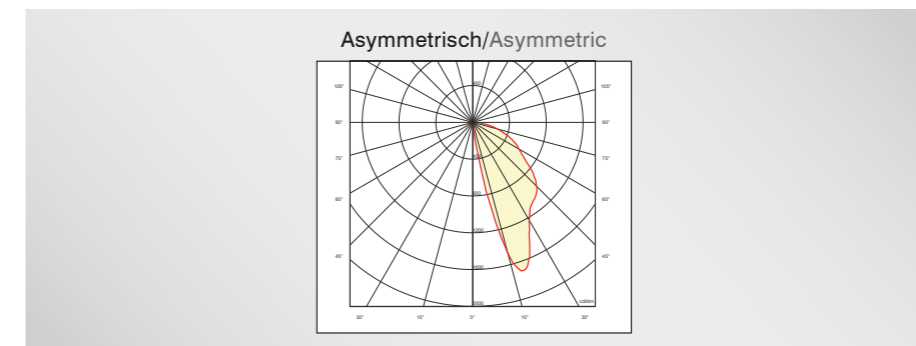
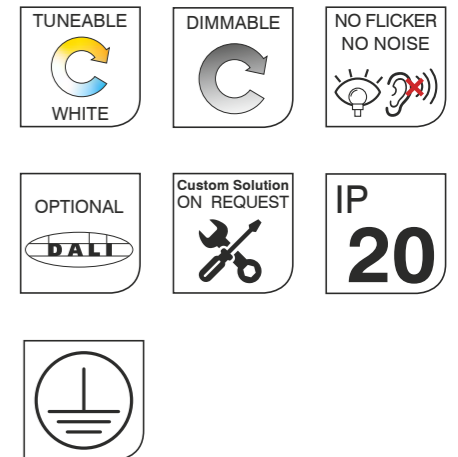
ARTIKELNUMMER / ARTICLE NUMBER:

Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1680	002 = 2W	X = Ohne/None	A = Asymmetrisch/ Asymmetric	T1 = 2200K - 4000K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
1681		W = DALI DT8		T2 = 2200K - 4500K	9 = 90	02 = RAL 9006 ●	
1682				T3 = 2200K - 5000K		03 = RAL 9005 ●	
1683				T4 = 2200K - 5700K*		04 = RAL 7016 ●	
1684				T5 = 2700K - 4000K		05 = DB703 ●	
1685				T6 = 2700K - 4500K			
				T7 = 2700K - 5000K			
				T8 = 2700K - 5700K*			

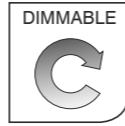
Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible  
\*5700K nur CRI 80/5700K only CRI 80



Lichtpunktabstand/Light point distance:	25mm, 50mm
Treiber/Driver:	Integriert/Integrated
Leistung/Wattage:	10W - 120W
Lichtstrom/Luminous Flux:	1170 lm - 12780 lm
Lichtverteilung/Beam angle:	Asymmetrisch/Asymmetric
Wirkungsgrad/Efficiency:	>85%
Farbtemperatur/Color Temperature:	2200K - 5700K
CRI:	>80, >90
Schutzklasse/Protection Class:	1
IP-Schutz/IP-Protection:	IP20
Oberfläche Gehäuse/Casing Finish:	Pulverbeschichtet/Powder Coated
Sonderausführung/Custom versions:	Auf Anfrage/On request

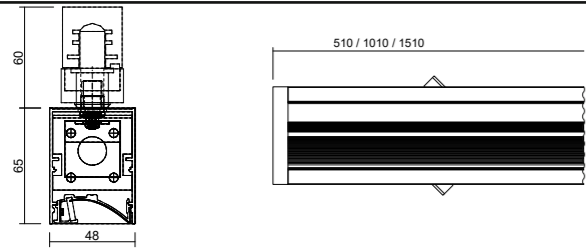


MONO



WALLWASHER LINE 65 STROMSCHIENE / TRACK LP25

Lichtpunktabstand 25mm / Light point distance 25mm

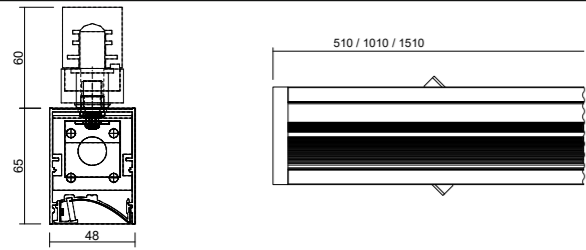


Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux		
	001 = 1W / LED	015 = 1,5W / LED	002 = 2W / LED
1686 = 510mm	20W / 2340 lm	30W / 3200 lm	40W / 4260 lm
1687 = 1010mm	40W / 4680 lm	60W / 6400 lm	80W / 8520 lm
1688 = 1510mm	60W / 7020 lm	90W / 9600 lm	120W / 12780 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

WALLWASHER LINE 65 STROMSCHIENE / TRACK LP50

Lichtpunktabstand 50mm / Light point distance 50mm



Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux		
	001 = 1W / LED	015 = 1,5W / LED	002 = 2W / LED
1689 = 510mm	10W / 1170 lm	15W / 1600 lm	20W / 2130 lm
1690 = 1010mm	20W / 2340 lm	30W / 3200 lm	40W / 4260 lm
1691 = 1510mm	30W / 3510 lm	45W / 4800 lm	60W / 6390 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



ARTIKELNUMMER / ARTICLE NUMBER:

Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI	Farbe Color Finish	Extras Accessories
1686	001 = 1W	X = Ohne/None	A = Asymmetrisch/ Asymmetric	27 = 2700K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
1687	015 = 1,5W	Y = DALI		30 = 3000K	9 = 90	02 = RAL 9006 ●	
1688	002 = 2W	Z = On/Off		35 = 3500K		03 = RAL 9005 ●	
1689				40 = 4000K		04 = RAL 7016 ●	
1690				50 = 5000K*		05 = DB703 ●	
1691				57 = 5700K*			

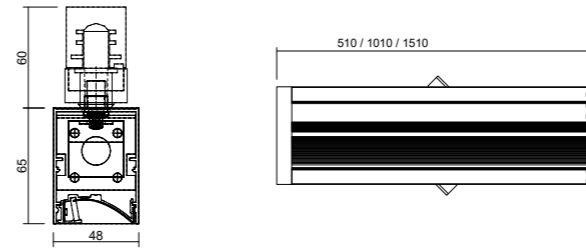
Andere Farbkombinationen oder Temperaturen möglich / Other color combinations or temperatures possible  
\*5000K und 5700K nur CRI 80 / 5000K and 5700K only CRI 80

TUNEABLE WHITE



WALLWASHER LINE 65 STROMSCHIENE / TRACK LP25

Lichtpunktabstand 25mm / Light point distance 25mm

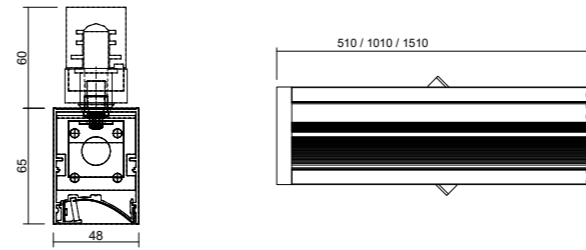


Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux
	002 = 2W / LED per Lichtpunkt / Light point
1692 = 510mm	40W / (2020 lm / 2320 lm)
1693 = 1010mm	80W / (4040 lm / 4640 lm)
1694 = 1510mm	120W / (6060 lm / 6960 lm)

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

WALLWASHER LINE 65 STROMSCHIENE / TRACK LP50

Lichtpunktabstand 50mm / Light point distance 50mm



Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux
	002 = 2W / LED per Lichtpunkt / Light point
1695 = 510mm	20W / (1010 lm / 1160 lm)
1696 = 1010mm	40W / (2020 lm / 2320 lm)
1697 = 1510mm	60W / (3030 lm / 3480 lm)

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



ARTIKELNUMMER / ARTICLE NUMBER:

Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI	Farbe Color Finish	Extras Accessories
1692	002 = 2W	X = Ohne/None	A = Asymmetrisch/ Asymmetric	T1 = 2200K - 4000K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
1693		W = DALI DT8		T2 = 2200K - 4500K	9 = 90	02 = RAL 9006 ●	
1694				T3 = 2200K - 5000K		03 = RAL 9005 ●	
1695				T4 = 2200K - 5700K*		04 = RAL 7016 ●	
1696				T5 = 2700K - 4000K		05 = DB703 ●	
1697				T6 = 2700K - 4500K			
				T7 = 2700K - 5000K			
				T8 = 2700K - 5700K*			

Andere Farbkombinationen oder Temperaturen möglich / Other color combinations or temperatures possible  
\*5700K nur CRI 80 / 5700K only CRI 80



RDB steht für „Reflektor-Doppelbirne“. Unsere RDB-Reflektoren wurden für verschiedene Anwendungsbereiche entwickelt.

Das innovative „Löffelförmige“ Design der Reflektoren, welches eine optimale Ausblendung gewährleistet, eröffnet neue Möglichkeiten für eine präzise Lichtverteilung bei sehr geringer Blendwirkung.

Die LEDs unserer RDB-Leuchten strahlen praktisch mit dem „Rücken zum Betrachter“ in den Reflektor hinein, wodurch ein direkter Blick auf die Lichtquelle verhindert wird. Auch bei seitlichem Blickwinkel in die Leuchte wird der Betrachter nicht geblendet.

RDB stands for „Reflektor-Doppelbirne“. Our RDB-reflectors have been designed for different types of applications.

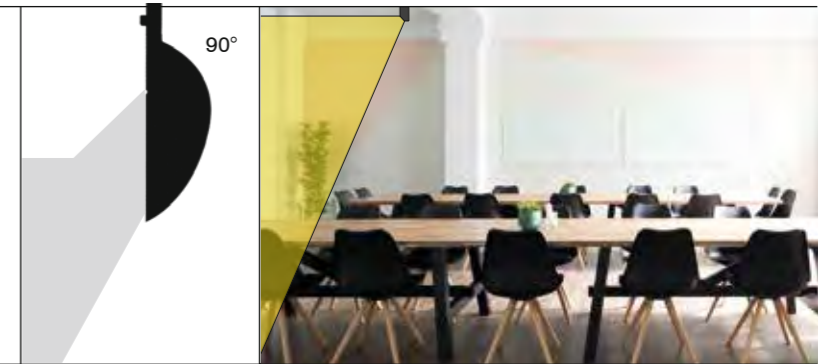
The innovative “spoon-shape” design which provides a clean light-cut-off, opens up new opportunities for a precise light distribution with the lowest possible glare effect.

The LEDs of our RDB-luminaires are shining backwards into the reflector, so that a direct view at the light source is impossible. Even when looking with a sharp angle at the light fitting, there is no glare for viewer's eye.

## RDB-WALL

Der asymmetrische RDB-Wall Reflektor ist für die Ausleuchtung von Wänden konzipiert und kann als „Wallwasher“ verwendet werden.

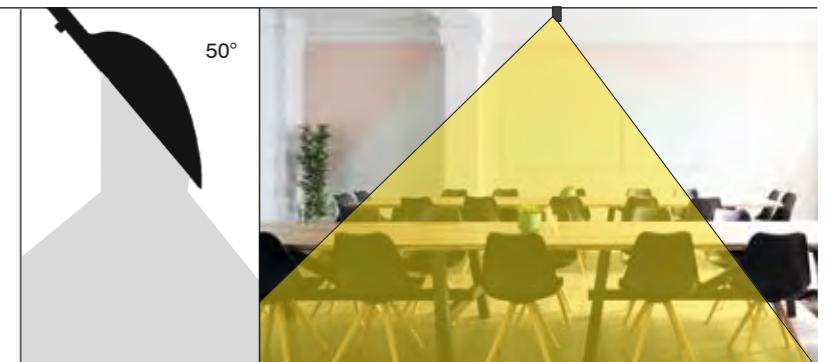
The RDB-Wall Reflector has been designed to illuminate walls and can be used as a “Wall washer”.



## RDB-DOWN

Die Lichtverteilung des RDB-Down Reflektors ist für eine homogene Grundbeleuchtung optimiert und kann als Downlight verwendet werden.

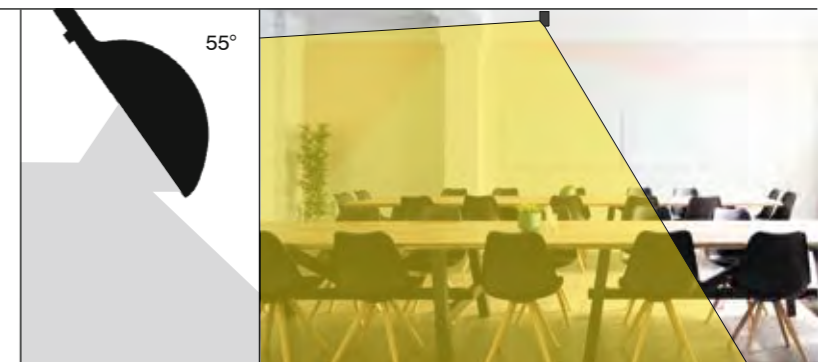
The light distribution of our RDB-Down reflector is optimized to deliver a homogenous basic illumination and can be used as a downlight.



## RDB-DOWN + WALL

Dieser Reflektor vereint die Eigenschaften eines „Wallwashers“ mit denen eines „Downlights“. Dank der asymmetrischen Lichtverteilung, können Wände flächig beleuchtet werden, wobei die Leuchte auch weiter in den Raum auf den Boden strahlt.

This reflector unites the abilities of a „wall washer“, with those of a „Downlight“. Thanks to the asymmetrical light distribution, this luminaire can illuminate walls and at the same it directs the light inside the room towards the floor.







©Foto: soenne.com

## FFF RDB


### RDB-WALL, RDB-DOWN, RDB-DOWN + WALL


#### PRODUKTE / PRODUCTS Seite/Page

	<b>FFF RDB Solo Einbau/Recessed</b> <span style="float: right;">172</span>
	Mono
	Tuneable white

	<b>FFF RDB Triple Einbau/Recessed</b> <span style="float: right;">175</span>
	Mono
	Tuneable white


#### Seite/Page

	<b>FFF RDB Line 35 Einbau/Recessed</b> <span style="float: right;">179</span>
	Mono
	Tuneable white


	<b>FFF RDB Line 65 Anbau/Surface mounted</b> <span style="float: right;">187</span>
	Mono
	Tuneable white

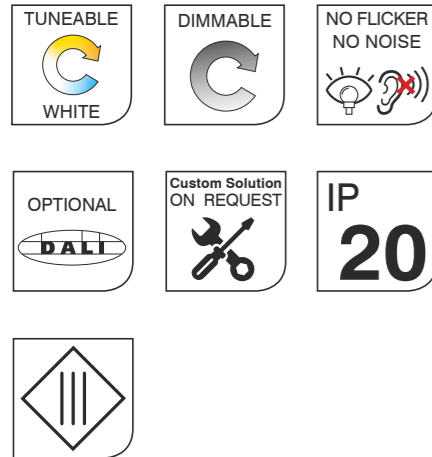
## RDB-WALL

#### PRODUKTE / PRODUCTS Seite/Page

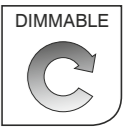
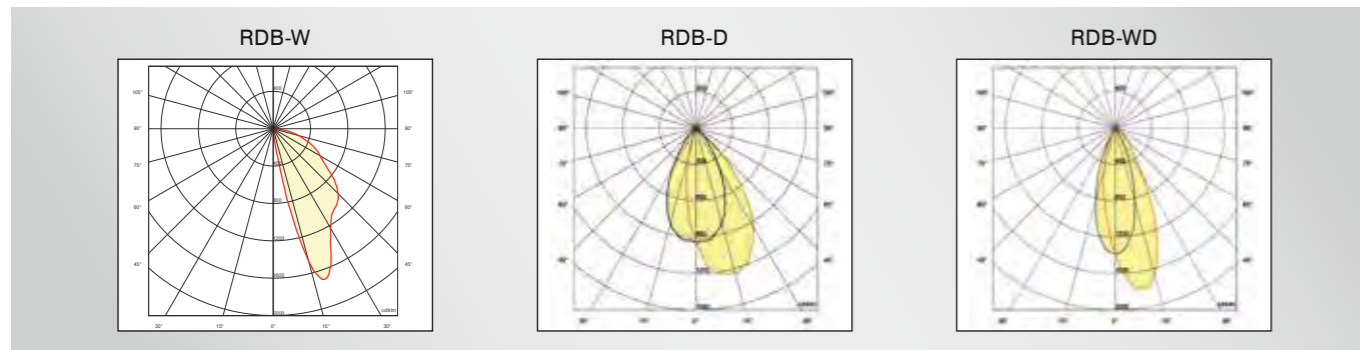
	<b>FFF RDB-Wall Halbeinbau/Semi Recessed</b> <span style="float: right;">194</span>
	Mono
	Tuneable white

#### Seite/Page

	<b>FFF RDB-Wall Anbau/Surface mounted</b> <span style="float: right;">197</span>
	Mono
	Tuneable white

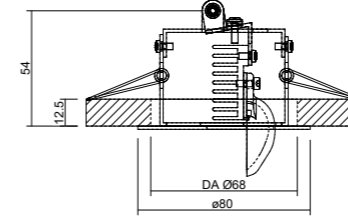


Lichtpunktabstand/Light point distance:	n/a
Treiber/Driver:	Extern/External
Leistung/Wattage:	1W – 2W
Lichtstrom/Luminous Flux:	117 lm – 213 lm
Lichtverteilung/Beam angle:	Asymmetrisch/Asymmetric
Wirkungsgrad/Efficiency:	>85%
Farbtemperatur/Color Temperature:	2200K – 5700K
CRI:	>80, >90
Schutzklasse/Protection Class:	3
IP-Schutz/IP-Protection:	IP20
Oberfläche Gehäuse/Casing Finish:	Pulverbeschichtet/Powder Coated
Sonderausführung/Custom versions:	Auf Anfrage/On request



MONO

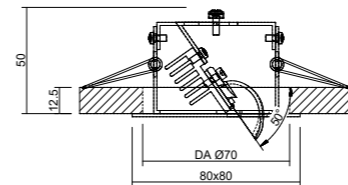
FFF RDB-WALL SOLO EINBAU/ RECESSED



Produkt ID	Verbrauch + Lichtstrom/Wattage + Luminous Flux		
	001 = 1W	015 = 1,5W	002 = 2W
1853	117 lm	160 lm	213 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

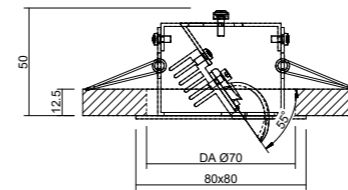
FFF RDB-DOWN SOLO EINBAU/ RECESSED



Produkt ID	Verbrauch + Lichtstrom/Wattage + Luminous Flux		
	001 = 1W	015 = 1,5W	002 = 2W
1910	117 lm	160 lm	213 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

FFF RDB-DOWN+WALL SOLO EINBAU/ RECESSED



Produkt ID	Verbrauch + Lichtstrom/Wattage + Luminous Flux		
	001 = 1W	015 = 1,5W	002 = 2W
1967	117 lm	160 lm	213 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



ARTIKELNUMMER / ARTICLE NUMBER:

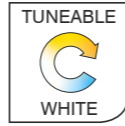


Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1853	001 = 1W	X = Ohne/None	00W = Wall	27 = 2700K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
1910	01 = 1,5W	Y = DALI	00D = Down	30 = 3000K	9 = 90	02 = RAL 9006 ●	
1967	002 = 2W	Z = On/Off	0DW = Down Wall	35 = 3500K		03 = RAL 9005 ●	
				40 = 4000K		04 = RAL 7016 ●	
				50 = 5000K*		05 = DB703 ●	
				57 = 5700K*			

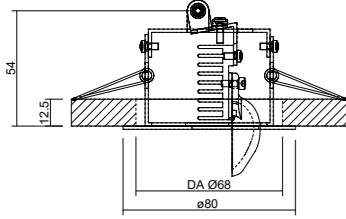
Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

\* 5000K und 5700K nur CRI 80/ 5000K and 5700K only CRI 80

# TUNEABLE WHITE



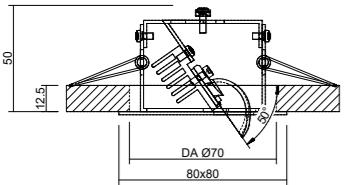
## FFF RDB-WALL SOLO EINBAU/ RECESSED



Produkt ID	Verbrauch + Lichtstrom/Wattage + Luminous Flux
1855	002 = 2W 101 lm / 116 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

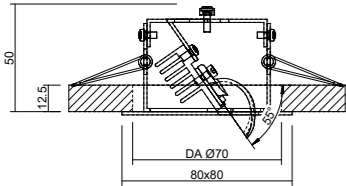
## FFF RDB-DOWN SOLO EINBAU/ RECESSED



Produkt ID	Verbrauch + Lichtstrom/Wattage + Luminous Flux
1912	002 = 2W 101 lm / 116 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

## FFF RDB-DOWN+WALL SOLO EINBAU/ RECESSED



Produkt ID	Verbrauch + Lichtstrom/Wattage + Luminous Flux
1969	002 = 2W 101 lm / 116 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



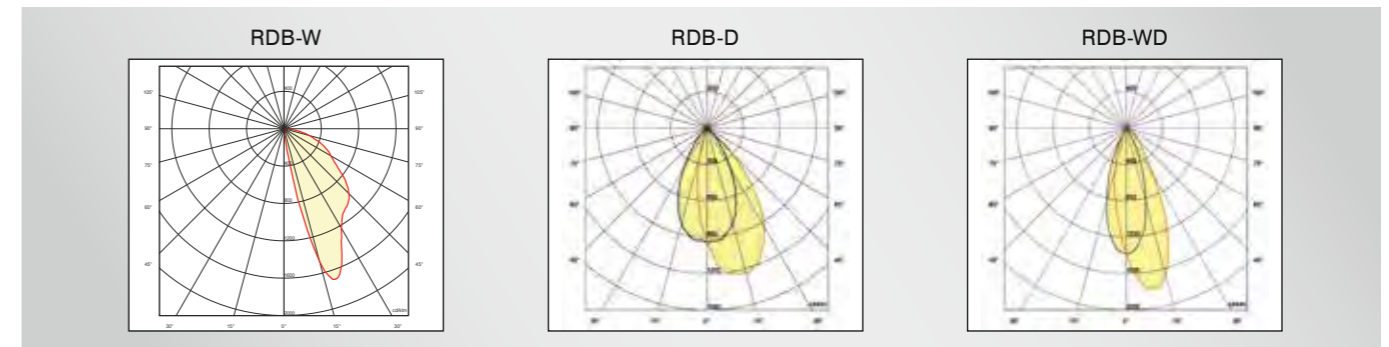
ARTIKELNUMMER / ARTICLE NUMBER:

Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI	Farbe Color Finish	Extras Accessories
1855	002 = 2W	X = Ohne/None	00W = Wall	T1 = 2200K - 4000K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
1912		W = DALI DT8	00D = Down	T2 = 2200K - 4500K	9 = 90	02 = RAL 9006 ●	
1969			00DW = Down Wall	T3 = 2200K - 5000K		03 = RAL 9005 ●	
				T4 = 2200K - 5700K*		04 = RAL 7016 ●	
				T5 = 2700K - 4000K		05 = DB703 ●	
				T6 = 2700K - 4500K			
				T7 = 2700K - 5000K			
				T8 = 2700K - 5700K*			

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible  
\*5700K nur CRI 80/ 5700K only CRI 80

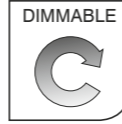


Lichtpunktabstand/Light point distance:	40mm
Treiber/Driver:	Extern/External
Leistung/Wattage:	3W - 6W
Lichtstrom/Luminous Flux:	351 lm - 639 lm
Lichtverteilung/Beam angle:	Asymmetrisch/Asymmetric
Wirkungsgrad/Efficiency:	>85%
Farbtemperatur/Color Temperature:	2200K - 5700K
CRI:	>80, >90
Schutzklasse/Protection Class:	3
IP-Schutz/IP-Protection:	IP20
Oberfläche Gehäuse/Casing Finish:	Pulverbeschichtet/Powder Coated
Sonderausführung/Custom versions:	Auf Anfrage/On request



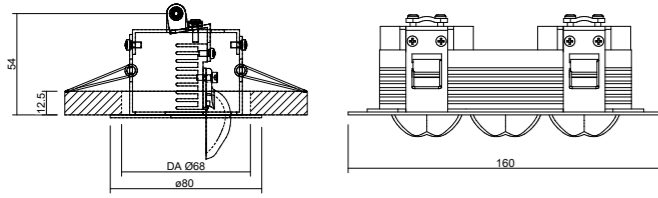


MONO



FFF RDB-WALL TRIPLE EINBAU/ RECESSED

Lichtpunktabstand 40mm/Light point distance 40mm

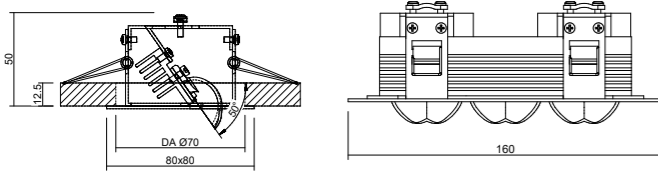


Produkt ID	Verbrauch + Lichtstrom/Wattage + Luminious Flux		
	301 = 3x1W	305 = 3x1,5W	302 = 3x2W
1859	351 lm	480 lm	639 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

FFF RDB-DOWN TRIPLE EINBAU/ RECESSED

Lichtpunktabstand 40mm/Light point distance 40mm

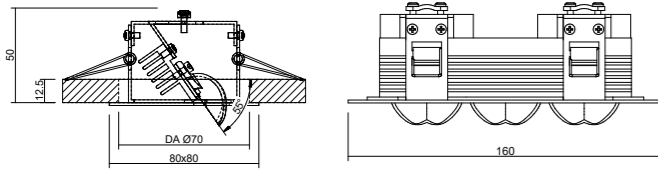


Produkt ID	Verbrauch + Lichtstrom/Wattage + Luminious Flux		
	301 = 3x1W	305 = 3x1,5W	302 = 3x2W
1916	351 lm	480 lm	639 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

FFF RDB-DOWN+WALL TRIPLE EINBAU/ RECESSED

Lichtpunktabstand 40mm/Light point distance 40mm



Produkt ID	Verbrauch + Lichtstrom/Wattage + Luminious Flux		
	301 = 3x1W	305 = 3x1,5W	302 = 3x2W
1973	351 lm	480 lm	639 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



ARTIKELNUMMER / ARTICLE NUMBER:

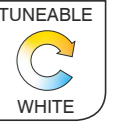


Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1859	001 = 1W	X = Ohne/None	00W = Wall	27 = 2700K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
1916	015 = 1,5W	Y = DALI	00D = Down	30 = 3000K	9 = 90	02 = RAL 9006 ●	
1973	002 = 2W	Z = On/Off	0DW = Down Wall	35 = 3500K		03 = RAL 9005 ●	
				40 = 4000K		04 = RAL 7016 ●	
				50 = 5000K*		05 = DB703 ●	
				57 = 5700K*			

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

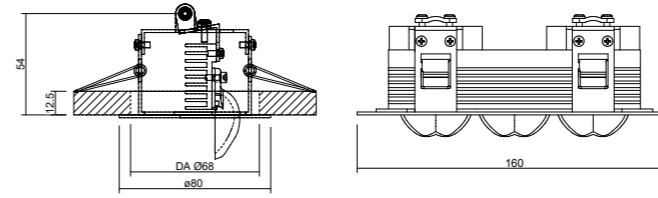
\*5000K und 5700K nur CRI 80/ 5000K and 5700K only CRI 80

TUNEABLE WHITE



FFF RDB-WALL TRIPLE EINBAU/ RECESSED

Lichtpunktabstand 40mm/Light point distance 40mm

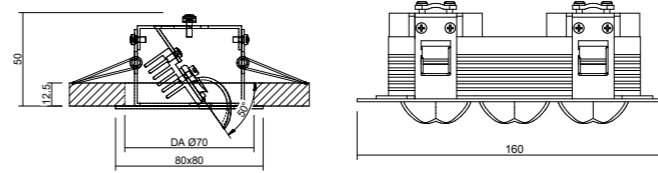


Produkt ID	Verbrauch + Lichtstrom/Wattage + Luminious Flux	
	302 = 3x2W	
1861	303 lm / 348 lm	

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

FFF RDB-DOWN TRIPLE EINBAU/ RECESSED

Lichtpunktabstand 40mm/Light point distance 40mm

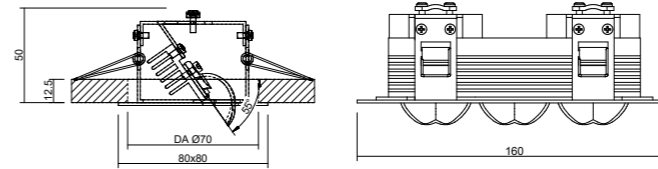


Produkt ID	Verbrauch + Lichtstrom/Wattage + Luminious Flux	
	302 = 3x2W	
1918	303 lm / 348 lm	

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

FFF RDB-DOWN+WALL TRIPLE EINBAU/ RECESSED

Lichtpunktabstand 40mm/Light point distance 40mm



Produkt ID	Verbrauch + Lichtstrom/Wattage + Luminious Flux	
	302 = 3x2W	
1975	303 lm / 348 lm	

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



ARTIKELNUMMER / ARTICLE NUMBER:



Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1861	302 = 3x2W	X = Ohne/None	00W = Wall	T1 = 2200K - 4000K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
1918		W = DALI DT8	00D = Down	T2 = 2200K - 4500K	9 = 90	02 = RAL 9006 ●	
1975			0DW = Down Wall	T3 = 2200K - 5000K		03 = RAL 9005 ●	
				T4 = 2200K - 5700K*		04 = RAL 7016 ●	
				T5 = 2700K - 4000K		05 = DB703 ●	
				T6 = 2700K - 4500K			
				T7 = 2700K - 5000K			
				T8 = 2700K - 5700K*			

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

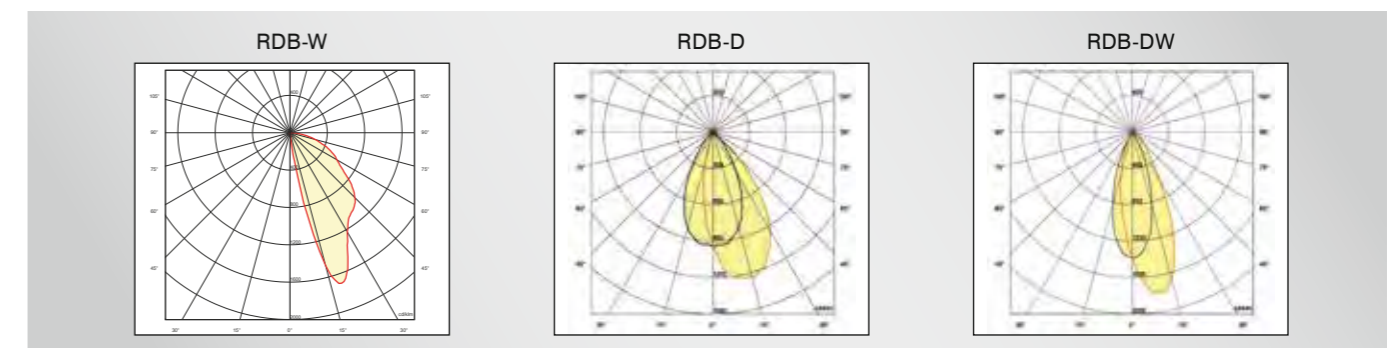
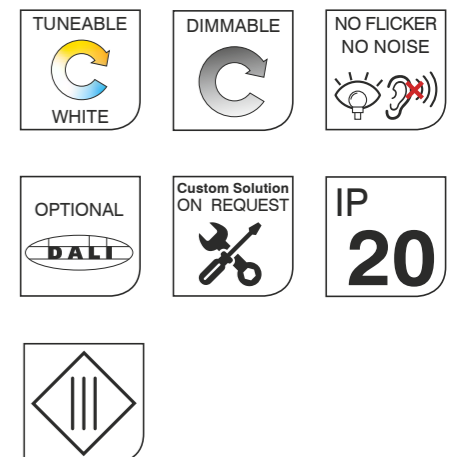
\*5700K nur CRI 80/ 5700K only CRI 80

KOMPLEXER FREIFORM-  
FACETTEN-REFLEKTOR FÜR  
EINE PRÄZISE LICHTLENKUNG.

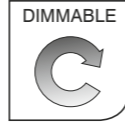
REFLECTOR WITH COMPLEXED  
FACETED SURFACE FOR  
PRECISE LIGHT.



Lichtpunktabstand/Light point distance:	40mm, 80mm
Treiber/Driver:	Extern / External
Leistung/Wattage:	6W – 72W
Lichtstrom/Luminous Flux:	702 lm – 7668 lm
Lichtverteilung/Beam angle:	Asymmetrisch/Asymmetric
Wirkungsgrad/Efficiency:	>85%
Farbtemperatur/Color Temperature:	2200K – 5700K
CRI:	>80, >90
Schutzklasse/Protection Class:	3
IP-Schutz/IP-Protection:	IP20
Oberfläche Gehäuse/Casing Finish:	Pulverbeschichtet/Powder Coated
Sonderausführung/Custom versions:	Auf Anfrage/On request

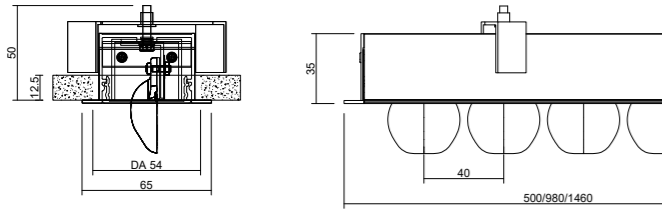


# MONO



## FFF RDB-WALL LINE 35 EINBAU/RECESSED LP40

Lichtpunktabstand 40mm/Light point distance 40mm

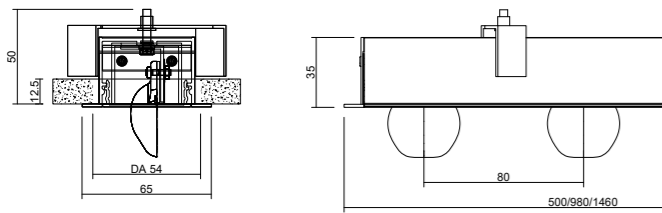


Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux		
	001 = 1W / LED	015 = 1,5W / LED	002 = 2W / LED
1862 = 500mm	12W / 1404 lm	18W / 1920 lm	24W / 2556 lm
1863 = 980mm	24W / 2808 lm	36W / 3840 lm	48W / 5112 lm
1864 = 1460mm	36W / 4212 lm	54W / 5760 lm	72W / 7668 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

## FFF RDB-WALL LINE 35 EINBAU/RECESSED LP80

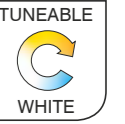
Lichtpunktabstand 80mm/Light point distance 80mm



Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux		
	001 = 1W / LED	015 = 1,5W / LED	002 = 2W / LED
1865 = 500mm	6W / 702 lm	9W / 960 lm	12W / 1278 lm
1866 = 980mm	12W / 1404 lm	18W / 1920 lm	24W / 2556 lm
1867 = 1460mm	18W / 2106 lm	27W / 2880 lm	36W / 3834 lm

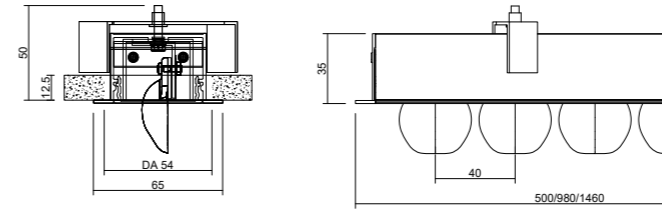
Weitere Sonderausführungen auf Anfrage / Custom solutions on request

# TUNEABLE WHITE



## FFF RDB-WALL LINE 35 EINBAU/RECESSED LP40

Lichtpunktabstand 40mm/Light point distance 40mm

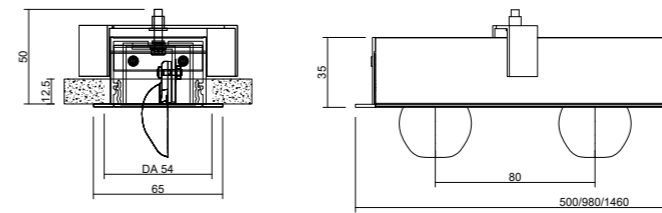


Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux
	002 = 2W / LED per Lichtpunkt / Light point
1868 = 500mm	24W / (1212 lm / 1392 lm)
1869 = 980mm	48W / (2424 lm / 2784 lm)
1870 = 1460mm	72W / (3636 lm / 4176 lm)

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

## FFF RDB-WALL LINE 35 EINBAU/RECESSED LP80

Lichtpunktabstand 80mm/Light point distance 80mm



Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux
	002 = 2W / LED per Lichtpunkt / Light point
1871 = 500mm	12W / (606 lm / 696 lm)
1872 = 980mm	24W / (1212 lm / 1392 lm)
1873 = 1460mm	36W / (1818 lm / 2088 lm)

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



ARTIKELNUMMER / ARTICLE NUMBER:

Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1862	001 = 1W	X = Ohne/None	00W = Wall	27 = 2700K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
1863	015 = 1,5W	W = DALI DT8		30 = 3000K	9 = 90	02 = RAL 9006 ●	
1864	002 = 2W	Z = On/Off		35 = 3500K		03 = RAL 9005 ●	
1865				40 = 4000K		04 = RAL 7016 ●	
1866				50 = 5000K*		05 = DB703 ●	
1867				57 = 5700K*			

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

\*5000K und 5700K nur CRI 80/ 5000K and 5700K only CRI 80



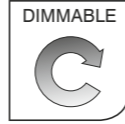
ARTIKELNUMMER / ARTICLE NUMBER:

Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1868	002 = 2W	X = Ohne/None	00W = Wall	T1 = 2200K - 4000K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
1869		W = DALI DT8		T2 = 2200K - 4500K	9 = 90	02 = RAL 9006 ●	
1870				T3 = 2200K - 5000K		03 = RAL 9005 ●	
1871				T4 = 2200K - 5700K*		04 = RAL 7016 ●	
1872				T5 = 2700K - 4000K		05 = DB703 ●	
1873				T6 = 2700K - 4500K			
				T7 = 2700K - 5000K			
				T8 = 2700K - 5700K*			

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

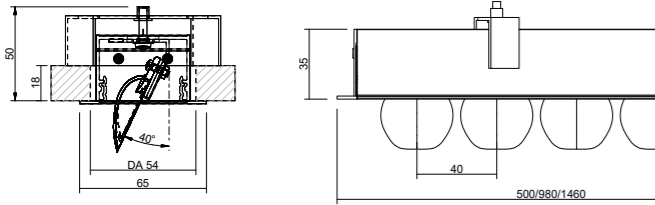
\*5700K nur CRI 80/ 5700K only CRI 80

MONO



FFF RDB-DOWN LINE 35 EINBAU/RECESSED LP40

Lichtpunktabstand 40mm/Light point distance 40mm

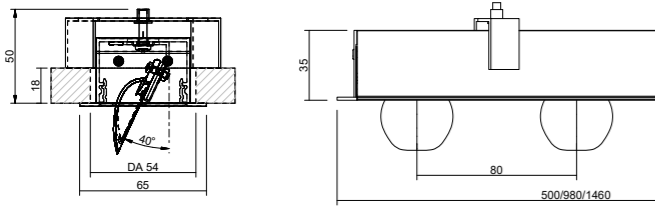


Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux		
	001 = 1W / LED	015 = 1,5W / LED	002 = 2W / LED
1931 = 500mm	12W / 1404 lm	18W / 1920 lm	24W / 2556 lm
1932 = 980mm	24W / 2808 lm	36W / 3840 lm	48W / 5112 lm
1933 = 1460mm	36W / 4212 lm	54W / 5760 lm	72W / 7668 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

FFF RDB-DOWN LINE 35 EINBAU/RECESSED LP80

Lichtpunktabstand 80mm/Light point distance 80mm



Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux		
	001 = 1W / LED	015 = 1,5W / LED	002 = 2W / LED
1934 = 500mm	6W / 702 lm	9W / 960 lm	12W / 1278 lm
1935 = 980mm	12W / 1404 lm	18W / 1920 lm	24W / 2556 lm
1936 = 1460mm	18W / 2106 lm	27W / 2880 lm	36W / 3834 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

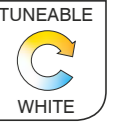


ARTIKELNUMMER / ARTICLE NUMBER:

Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1931	001 = 1W	X = Ohne/None	00D = Down	27 = 2700K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
1932	015 = 1,5W	Y = DALI		30 = 3000K	9 = 90	02 = RAL 9006 ●	
1933	002 = 2W	Z = On/Off		35 = 3500K		03 = RAL 9005 ●	
1934				40 = 4000K		04 = RAL 7016 ●	
1935				50 = 5000K*		05 = DB703 ●	
1936				57 = 5700K*			

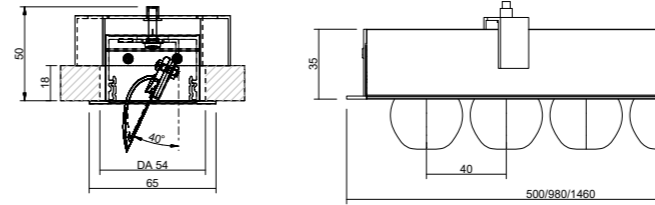
Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible  
\*5000K und 5700K nur CRI 80/ 5000K and 5700K only CRI 80

TUNEABLE WHITE



FFF RDB-DOWN LINE 35 EINBAU/RECESSED LP40

Lichtpunktabstand 40mm/Light point distance 40mm

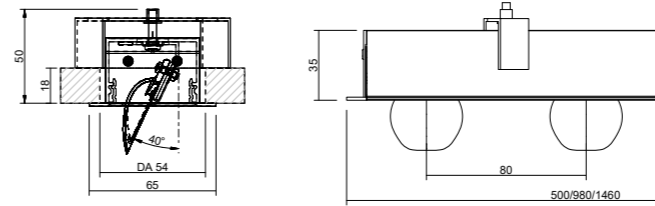


Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux
	002 = 2W / LED per Lichtpunkt / Light point
1925 = 500mm	24W / (1212 lm / 1392 lm)
1926 = 980mm	48W / (2424 lm / 2784 lm)
1927 = 1460mm	72W / (3636 lm / 4176 lm)

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

FFF RDB-DOWN LINE 35 EINBAU/RECESSED LP80

Lichtpunktabstand 80mm/Light point distance 80mm



Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux
	002 = 2W / LED per Lichtpunkt / Light point
1928 = 500mm	12W / (606 lm / 696 lm)
1929 = 980mm	24W / (1212 lm / 1392 lm)
1930 = 1460mm	36W / (1818 lm / 2088 lm)

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

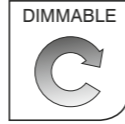


ARTIKELNUMMER / ARTICLE NUMBER:

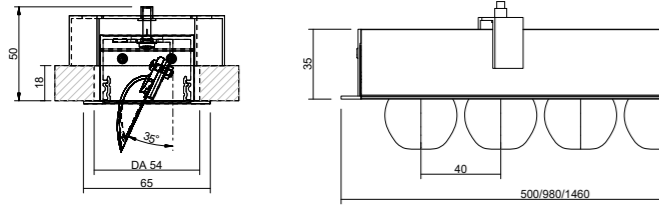
Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1925	002 = 2W	X = Ohne/None	00D = Down	T1 = 2200K - 4000K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
1926		W = DALI DT8		T2 = 2200K - 4500K	9 = 90	02 = RAL 9006 ●	
1927				T3 = 2200K - 5000K		03 = RAL 9005 ●	
1928				T4 = 2200K - 5700K*		04 = RAL 7016 ●	
1929				T5 = 2700K - 4000K		05 = DB703 ●	
1930				T6 = 2700K - 4500K			
				T7 = 2700K - 5000K			
				T8 = 2700K - 5700K*			

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible  
\*5700K nur CRI 80/ 5700K only CRI 80

MONO



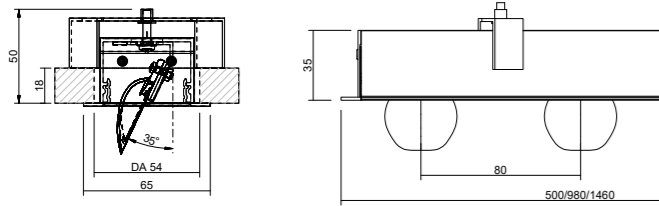
FFF RDB-DOWN+WALL LINE 35 EINBAU/ RECESSED LP40 Lichtpunktabstand 40mm/Light point distance 40mm



Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux		
	001 = 1W / LED	015 = 1,5W / LED	002 = 2W / LED
1976 = 500mm	12W / 1404 lm	18W / 1920 lm	24W / 2556 lm
1977 = 980mm	24W / 2808 lm	36W / 3840 lm	48W / 5112 lm
1978 = 1460mm	36W / 4212 lm	54W / 5760 lm	72W / 7668 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

FFF RDB-DOWN+WALL LINE 35 EINBAU/ RECESSED LP80 Lichtpunktabstand 80mm/Light point distance 80mm



Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux		
	001 = 1W / LED	015 = 1,5W / LED	002 = 2W / LED
1979 = 500mm	6W / 702 lm	9W / 960 lm	12W / 1278 lm
1980 = 980mm	12W / 1404 lm	18W / 1920 lm	24W / 2556 lm
1981 = 1460mm	18W / 2106 lm	27W / 2880 lm	36W / 3834 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



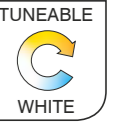
ARTIKELNUMMER / ARTICLE NUMBER:

Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1976	001 = 1W	X = Ohne/None	0DW = Down Wall	27 = 2700K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
1977	015 = 1,5W	Y = DALI		30 = 3000K	9 = 90	02 = RAL 9006 ●	
1978	002 = 2W	Z = On/Off		35 = 3500K		03 = RAL 9005 ●	
1979				40 = 4000K		04 = RAL 7016 ●	
1980				50 = 5000K*		05 = DB703 ●	
1981				57 = 5700K*			

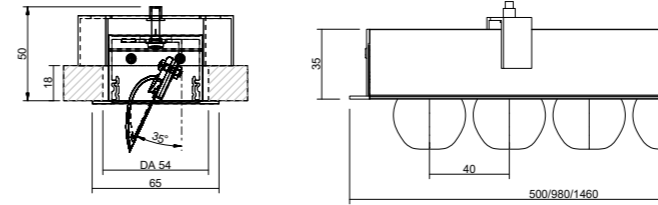
Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

\*5000K und 5700K nur CRI 80/ 5000K and 5700K only CRI 80

TUNEABLE WHITE



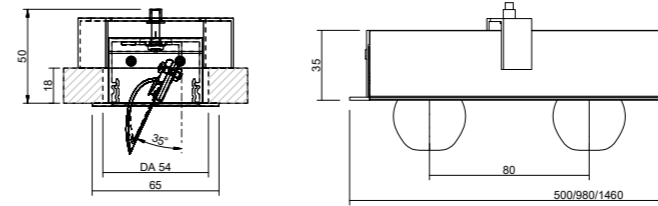
FFF RDB-DOWN+WALL LINE 35 EINBAU/ RECESSED LP40 Lichtpunktabstand 40mm/Light point distance 40mm



Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux
	002 = 2W / LED per Lichtpunkt / Light point
1982 = 500mm	24W / (1212 lm / 1392 lm)
1983 = 980mm	48W / (2424 lm / 2784 lm)
1984 = 1460mm	72W / (3636 lm / 4176 lm)

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

FFF RDB-DOWN+WALL LINE 35 EINBAU/ RECESSED LP80 Lichtpunktabstand 80mm/Light point distance 80mm



Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux
	002 = 2W / LED per Lichtpunkt / Light point
1985 = 500mm	12W / (606 lm / 696 lm)
1986 = 980mm	24W / (1212 lm / 1392 lm)
1987 = 1460mm	36W / (1818 lm / 2088 lm)

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



ARTIKELNUMMER / ARTICLE NUMBER:

Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1982	002 = 2W	X = Ohne/None	0DW = Down Wall	T1 = 2200K - 4000K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
1983		W = DALI DT8		T2 = 2200K - 4500K	9 = 90	02 = RAL 9006 ●	
1984				T3 = 2200K - 5000K		03 = RAL 9005 ●	
1985				T4 = 2200K - 5700K*		04 = RAL 7016 ●	
1986				T5 = 2700K - 4000K		05 = DB703 ●	
1987				T6 = 2700K - 4500K			
				T7 = 2700K - 5000K			
				T8 = 2700K - 5700K*			

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

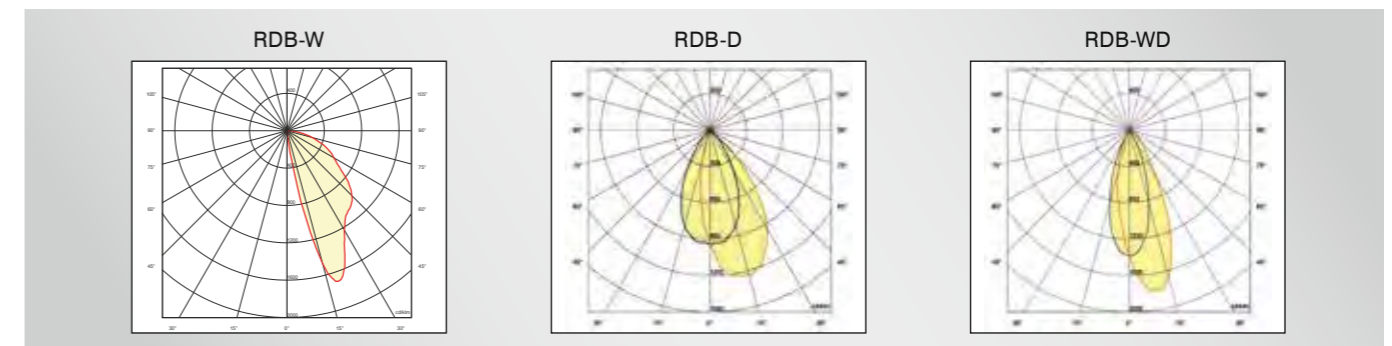
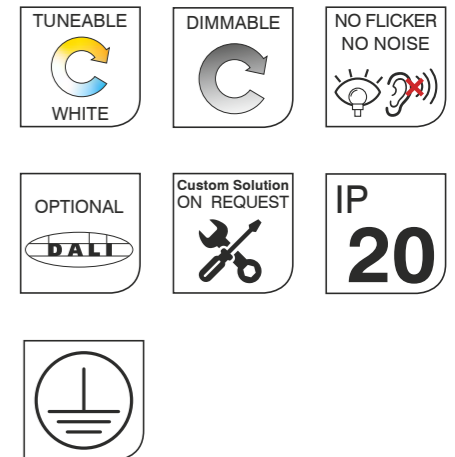
\*5700K nur CRI 80/ 5700K only CRI 80

KEINE BLENDUNG BEI  
SEITLICHEM BLICKWINKEL  
IN DIE LEUCHE.

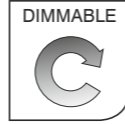
NO GLARE WITH  
LATERAL VIEWING ANGLE  
INTO THE LUMINAIRE.



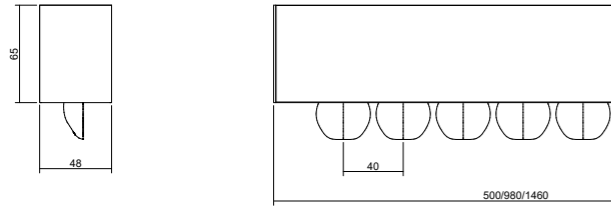
Lichtpunktabstand/Light point distance:	40mm, 80mm
Treiber/Driver:	Integriert/Integrated
Leistung/Wattage:	6W – 72W
Lichtstrom/Luminous Flux:	702 lm – 7668 lm
Lichtverteilung/Beam angle:	Asymmetrisch/Asymmetric
Wirkungsgrad/Efficiency:	>85%
Farbtemperatur/Color Temperature:	2200K – 5700K
CRI:	>80, >90
Schutzklasse/Protection Class:	1
IP-Schutz/IP-Protection:	IP20
Oberfläche Gehäuse/Casing Finish:	Pulverbeschichtet/Powder Coated
Sonderausführung/Custom versions:	Auf Anfrage/On request



MONO



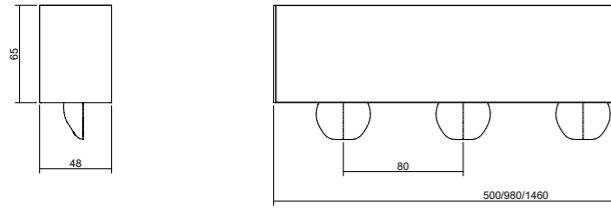
FFF RDB-WALL LINE 65 ANBAU/SURFACE MOUNTED LP40 Lichtpunktabstand 40mm/Light point distance 40mm



Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminious Flux		
	001 = 1W / LED	015 = 1,5W / LED	002 = 2W / LED
1874 = 500mm	12W / 1404 lm	18W / 1920 lm	24W / 2556 lm
1875 = 980mm	24W / 2808 lm	36W / 3840 lm	48W / 5112 lm
1876 = 1460mm	36W / 4212 lm	54W / 5760 lm	72W / 7668 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

FFF RDB-WALL LINE 65 ANBAU/SURFACE MOUNTED LP80 Lichtpunktabstand 80mm/Light point distance 80mm



Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminious Flux		
	001 = 1W / LED	015 = 1,5W / LED	002 = 2W / LED
1877 = 500mm	6W / 702 lm	9W / 960 lm	12W / 1278 lm
1878 = 980mm	12W / 1404 lm	18W / 1920 lm	24W / 2556 lm
1879 = 1460mm	18W / 2106 lm	27W / 2880 lm	36W / 3834 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



ARTIKELNUMMER / ARTICLE NUMBER:

Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1874	001 = 1W	X = Ohne/None	00W = Wall	27 = 2700K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
1875	015 = 1,5W	Y = DALI		30 = 3000K	9 = 90	02 = RAL 9006 ●	
1876	002 = 2W	Z = On/Off		35 = 3500K		03 = RAL 9005 ●	
1877				40 = 4000K		04 = RAL 7016 ●	
1878				50 = 5000K*		05 = DB703 ●	
1879				57 = 5700K*			

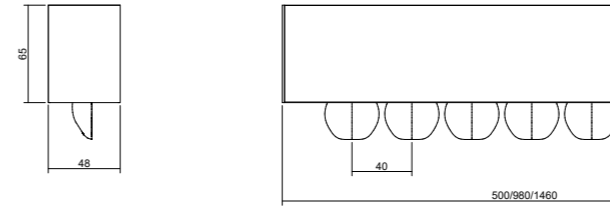
Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

\*5000K und 5700K nur CRI 80/ 5000K and 5700K only CRI 80

TUNEABLE WHITE



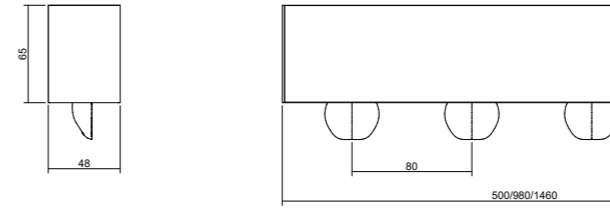
FFF RDB-WALL LINE 65 ANBAU/SURFACE MOUNTED LP40 Lichtpunktabstand 40mm/Light point distance 40mm



Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminious Flux
	002 = 2W / LED per Lichtpunkt / Light point
1880 = 500mm	24W / (1212 lm / 1392 lm)
1881 = 980mm	48W / (2424 lm / 2784 lm)
1882 = 1460mm	72W / (3636 lm / 4176 lm)

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

FFF RDB-WALL LINE 65 ANBAU/SURFACE MOUNTED LP80 Lichtpunktabstand 80mm/Light point distance 80mm



Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminious Flux
	002 = 2W / LED per Lichtpunkt / Light point
1883 = 500mm	12W / (606 lm / 696 lm)
1884 = 980mm	24W / (1212 lm / 1392 lm)
1885 = 1460mm	36W / (1818 lm / 2088 lm)

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



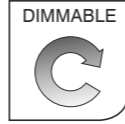
ARTIKELNUMMER / ARTICLE NUMBER:

Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1880	002 = 2W	X = Ohne/None	00W = Wall	T1 = 2200K - 4000K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
1881		W = DALI DT8		T2 = 2200K - 4500K	9 = 90	02 = RAL 9006 ●	
1882				T3 = 2200K - 5000K		03 = RAL 9005 ●	
1883				T4 = 2200K - 5700K*		04 = RAL 7016 ●	
1884				T5 = 2700K - 4000K		05 = DB703 ●	
1885				T6 = 2700K - 4500K			
				T7 = 2700K - 5000K			
				T8 = 2700K - 5700K*			

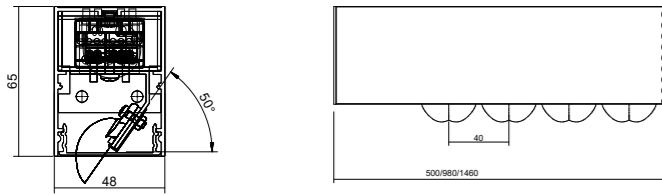
Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

\*5700K nur CRI 80/ 5700K only CRI 80

MONO



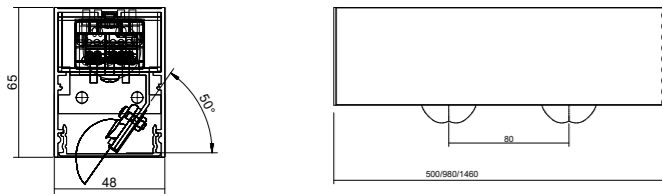
FFF RDB-DOWN LINE 65 ANBAU/SURFACE MOUNTED LP40 Lichtpunktabstand 40mm/Light point distance 40mm



Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux		
	001 = 1W / LED	015 = 1,5W / LED	002 = 2W / LED
1919 = 500mm	12W / 1404 lm	18W / 1920 lm	24W / 2556 lm
1920 = 980mm	24W / 2808 lm	36W / 3840 lm	48W / 5112 lm
1921 = 1460mm	36W / 4212 lm	54W / 5760 lm	72W / 7668 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

FFF RDB-DOWN LINE 65 ANBAU/SURFACE MOUNTED LP80 Lichtpunktabstand 80mm/Light point distance 80mm



Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux		
	001 = 1W / LED	015 = 1,5W / LED	002 = 2W / LED
1922 = 500mm	6W / 702 lm	9W / 960 lm	12W / 1278 lm
1923 = 980mm	12W / 1404 lm	18W / 1920 lm	24W / 2556 lm
1924 = 1460mm	18W / 2106 lm	27W / 2880 lm	36W / 3834 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



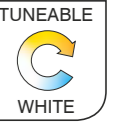
ARTIKELNUMMER / ARTICLE NUMBER:

Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1919	001 = 1W	X = Ohne/None	00D = Down	27 = 2700K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
1920	015 = 1,5W	Y = DALI		30 = 3000K	9 = 90	02 = RAL 9006 ●	
1921	002 = 2W	Z = On/Off		35 = 3500K		03 = RAL 9005 ●	
1922				40 = 4000K		04 = RAL 7016 ●	
1923				50 = 5000K*		05 = DB703 ●	
1924				57 = 5700K*			

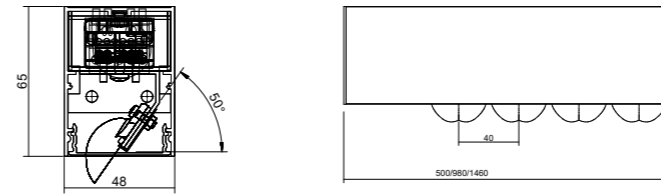
Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

\*5000K und 5700K nur CRI 80/ 5000K and 5700K only CRI 80

TUNEABLE WHITE



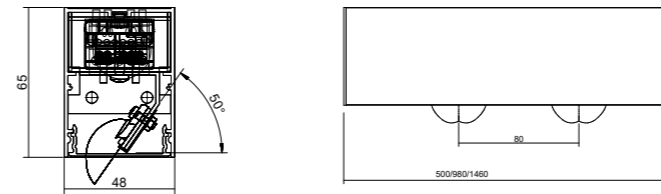
FFF RDB-DOWN LINE 65 ANBAU/SURFACE MOUNTED LP40 Lichtpunktabstand 40mm/Light point distance 40mm



Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux
	002 = 2W / LED per Lichtpunkt / Light point
1937 = 500mm	24W / (1212 lm / 1392 lm)
1938 = 980mm	48W / (2424 lm / 2784 lm)
1939 = 1460mm	72W / (3636 lm / 4176 lm)

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

FFF RDB-DOWN LINE 65 ANBAU/SURFACE MOUNTED LP80 Lichtpunktabstand 80mm/Light point distance 80mm



Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux
	002 = 2W / LED per Lichtpunkt / Light point
1940 = 500mm	12W / (606 lm / 696 lm)
1941 = 980mm	24W / (1212 lm / 1392 lm)
1942 = 1460mm	36W / (1818 lm / 2088 lm)

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



ARTIKELNUMMER / ARTICLE NUMBER:

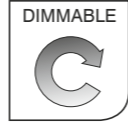
Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1937	002 = 2W	X = Ohne/None	00D = Down	T1 = 2200K - 4000K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
1938		W = DALI DT8		T2 = 2200K - 4500K	9 = 90	02 = RAL 9006 ●	
1939				T3 = 2200K - 5000K		03 = RAL 9005 ●	
1940				T4 = 2200K - 5700K*		04 = RAL 7016 ●	
1941				T5 = 2700K - 4000K		05 = DB703 ●	
1942				T6 = 2700K - 4500K			
				T7 = 2700K - 5000K			
				T8 = 2700K - 5700K*			

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

\*5700K nur CRI 80/ 5700K only CRI 80

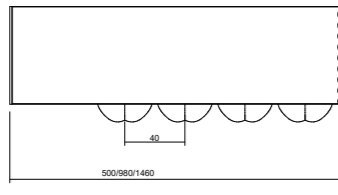
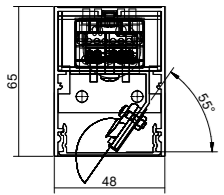


# MONO



## FFF RDB-DOWN+WALL LINE 65 ANBAU/SURFACE MOUNTED LP40

Lichtpunktabstand 40mm/  
Light point distance 40mm

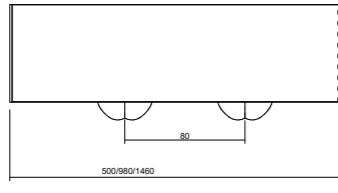
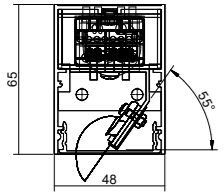


Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux		
	001 = 1W / LED	015 = 1,5W / LED	002 = 2W / LED
1988 = 500mm	12W / 1260 lm	18W / 1836 lm	24W / 2220 lm
1989 = 980mm	24W / 2520 lm	36W / 3672 lm	48W / 4440 lm
1990 = 1460mm	36W / 3780 lm	54W / 5508 lm	72W / 6660 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

## FFF RDB-DOWN+WALL LINE 65 ANBAU/SURFACE MOUNTED LP80

Lichtpunktabstand 80mm/  
Light point distance 80mm



Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux		
	001 = 1W / LED	015 = 1,5W / LED	002 = 2W / LED
1991 = 500mm	6W / 630 lm	9W / 1260 lm	12W / 4200 lm
1992 = 980mm	12W / 918 lm	18W / 1836 lm	24W / 2220 lm
1993 = 1460mm	18W / 1110 lm	27W / 2754 lm	36W / 3330 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



ARTIKELNUMMER / ARTICLE NUMBER:

Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI	Farbe Color Finish	Extras Accessories
1988	001 = 1W	X = Ohne/None	0DW = Down Wall	27 = 2700K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
1989	015 = 1,5W	Y = DALI		30 = 3000K	9 = 90	02 = RAL 9006 ●	
1990	002 = 2W	Z = On/Off		35 = 3500K		03 = RAL 9005 ●	
1991				40 = 4000K		04 = RAL 7016 ●	
1992				50 = 5000K*		05 = DB703 ●	
1993				57 = 5700K*			

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

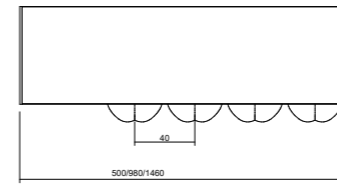
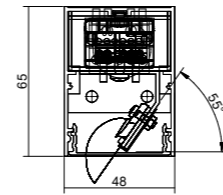
\*5000K und 5700K nur CRI 80/ 5000K and 5700K only CRI 80

# TUNEABLE WHITE



## FFF RDB-DOWN+WALL LINE 65 ANBAU/SURFACE MOUNTED LP40

Lichtpunktabstand 40mm/  
Light point distance 40mm

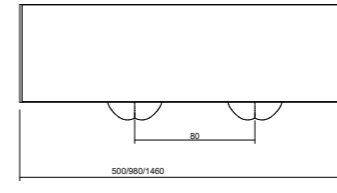
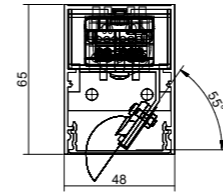


Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux
	002 = 2W / LED per Lichtpunkt / Light point
1994 = 500mm	24W / (1212 lm / 1392 lm)
1995 = 980mm	48W / (2424 lm / 2784 lm)
1996 = 1460mm	72W / (3636 lm / 4176 lm)

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

## FFF RDB-DOWN+WALL LINE 65 ANBAU/SURFACE MOUNTED LP80

Lichtpunktabstand 80mm/  
Light point distance 80mm



Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux
	002 = 2W / LED per Lichtpunkt / Light point
1997 = 500mm	12W / (606 lm / 696 lm)
1998 = 980mm	24W / (1212 lm / 1392 lm)
1999 = 1460mm	36W / (1818 lm / 2088 lm)

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

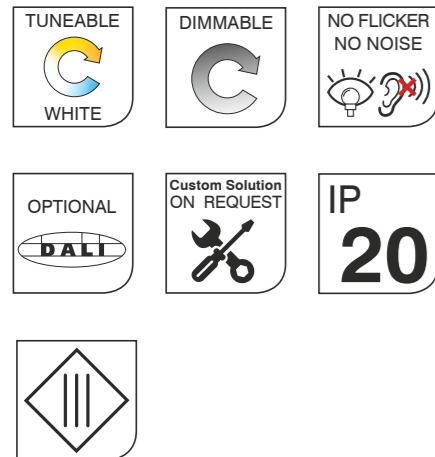


ARTIKELNUMMER / ARTICLE NUMBER:

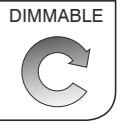
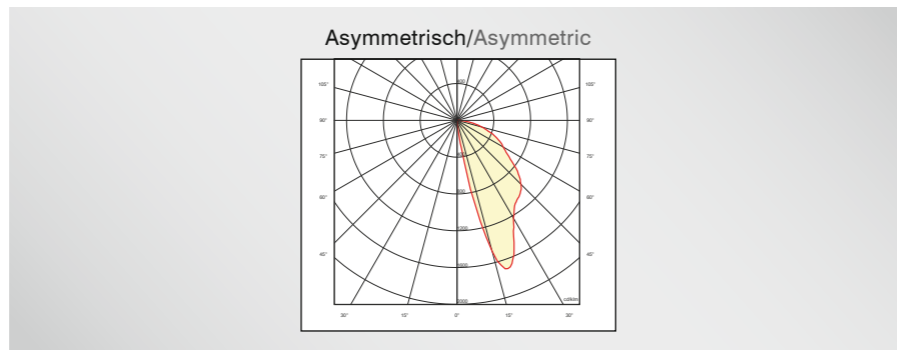
Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI	Farbe Color Finish	Extras Accessories
1994	002 = 2W	X = Ohne/None	0DW = Down Wall	T1 = 2200K - 4000K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
1995		W = DALI DT8		T2 = 2200K - 4500K	9 = 90	02 = RAL 9006 ●	
1996				T3 = 2200K - 5000K		03 = RAL 9005 ●	
1997				T4 = 2200K - 5700K*		04 = RAL 7016 ●	
1998				T5 = 2700K - 4000K		05 = DB703 ●	
1999				T6 = 2700K - 4500K			
				T7 = 2700K - 5000K			
				T8 = 2700K - 5700K*			

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

\*5700K nur CRI 80/ 5700K only CRI 80



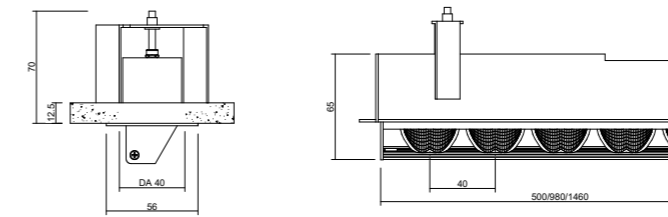
Lichtpunktabstand/Light point distance:	40mm, 80mm
Treiber/Driver:	Extern/External
Leistung/Wattage:	6W – 72W
Lichtstrom/Luminous Flux:	702 lm – 7668 lm
Lichtverteilung/Beam angle:	Asymmetrisch/Asymmetric
Wirkungsgrad/Efficiency:	> 85%
Farbtemperatur/Color Temperature:	2200K – 5700K
CRI:	> 80, > 90
Schutzklasse/Protection Class:	3
IP-Schutz/IP-Protection:	IP20
Oberfläche Gehäuse/Casing Finish:	Pulverbeschichtet/Powder Coated
Sonderausführung/Custom versions:	Auf Anfrage/On request



MONO

FFF RDB-WALL HALBEINBAU / SEMI RECESSED LP40

Lichtpunktabstand 40mm/Light point distance 40mm

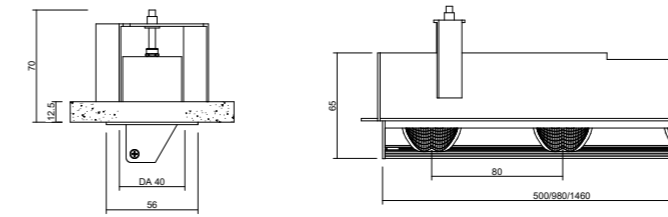


Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux		
	001 = 1W / LED	015 = 1,5W / LED	002 = 2W / LED
1886 = 500mm	12W / 1404 lm	18W / 1920 lm	24W / 2556 lm
1887 = 980mm	24W / 2808 lm	36W / 3840 lm	48W / 5112 lm
1888 = 1460mm	36W / 4212 lm	54W / 5760 lm	72W / 7668 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

FFF RDB-WALL HALBEINBAU / SEMI RECESSED LP80

Lichtpunktabstand 80mm/Light point distance 80mm



Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux		
	001 = 1W / LED	015 = 1,5W / LED	002 = 2W / LED
1889 = 500mm	6W / 702 lm	9W / 960 lm	12W / 1278 lm
1890 = 980mm	12W / 1404 lm	18W / 1920 lm	24W / 2556 lm
1891 = 1460mm	18W / 2106 lm	27W / 2880 lm	36W / 3834 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



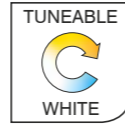
ARTIKELNUMMER / ARTICLE NUMBER:



Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1886	001 = 1W	X = Ohne/None	00W = Wall	27 = 2700K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
1887	015 = 1,5W	Y = DALI		30 = 3000K	9 = 90	02 = RAL 9006 ●	
1888	002 = 2W	Z = On/Off		35 = 3500K		03 = RAL 9005 ●	
1889				40 = 4000K		04 = RAL 7016 ●	
1890				50 = 5000K*		05 = DB703 ●	
1891				57 = 5700K*			

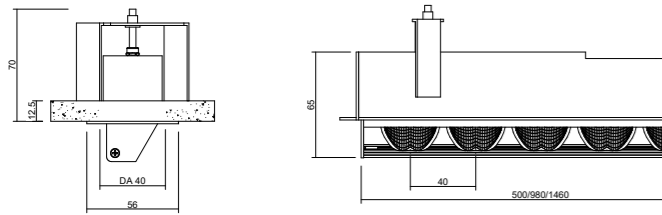
Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible  
\*5000K und 5700K nur CRI 80/ 5000K and 5700K only CRI 80

# TUNEABLE WHITE



## FFF RDB-WALL HALBEINBAU/SEMI RECESSED LP40

Lichtpunktabstand 40mm/Light point distance 40mm

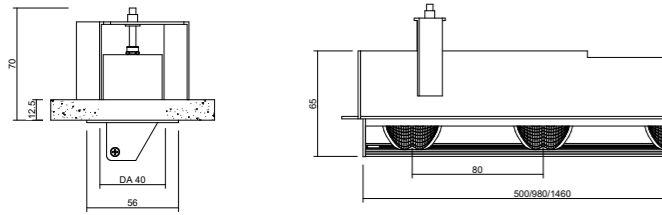


Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux 002 = 2W / LED per Lichtpunkt / Light point
1892 = 500mm	24W / (1212 lm / 1392 lm)
1893 = 980mm	48W / (2424 lm / 2784 lm)
1894 = 1460mm	72W / (3636 lm / 4176 lm)

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

## FFF RDB-WALL HALBEINBAU/SEMI RECESSED LP80

Lichtpunktabstand 80mm/Light point distance 80mm



Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux 002 = 2W / LED per Lichtpunkt / Light point
1895 = 500mm	12W / (606 lm / 696 lm)
1896 = 980mm	24W / (1212 lm / 1392 lm)
1897 = 1460mm	36W / (1818 lm / 2088 lm)

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



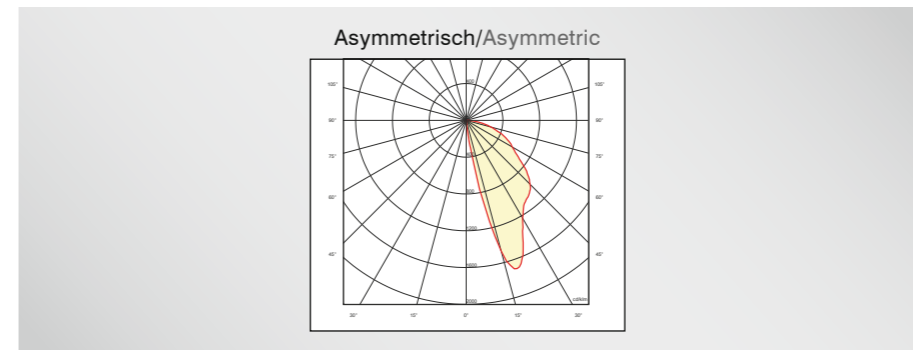
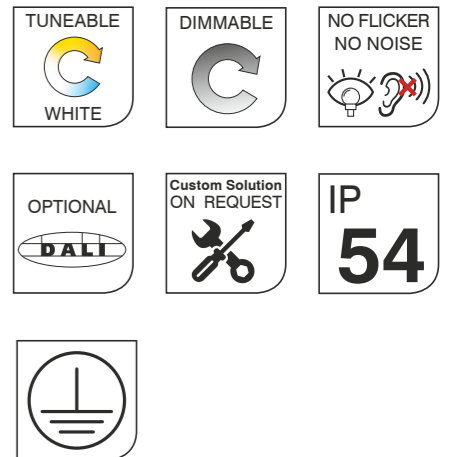
ARTIKELNUMMER / ARTICLE NUMBER:

Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1892	002 = 2W	X = Ohne/None	00W = Wall	T1 = 2200K - 4000K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
1893		W = DALI DT8		T2 = 2200K - 4500K	9 = 90	02 = RAL 9006 ●	
1894				T3 = 2200K - 5000K		03 = RAL 9005 ●	
1895				T4 = 2200K - 5700K*		04 = RAL 7016 ●	
1896				T5 = 2700K - 4000K		05 = DB703 ●	
1897				T6 = 2700K - 4500K			
				T7 = 2700K - 5000K			
				T8 = 2700K - 5700K*			

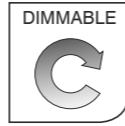
Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible  
\*5700K nur CRI 80/ 5700K only CRI 80



Lichtpunktabstand/Light point distance:	40mm, 80mm
Treiber/Driver:	Extern/External
Leistung/Wattage:	6W – 72W
Lichtstrom/Luminous Flux:	702 lm – 7668 lm
Lichtverteilung/Beam angle:	Asymmetrisch/Asymmetric
Wirkungsgrad/Efficiency:	>85%
Farbtemperatur/Color Temperature:	2200K – 5700K
CRI:	>80, >90
Schutzklasse/Protection Class:	1
IP-Schutz/IP-Protection:	IP54
Oberfläche Gehäuse/Casing Finish:	Pulverbeschichtet/Powder Coated
Sonderausführung/Custom versions:	Auf Anfrage/On request

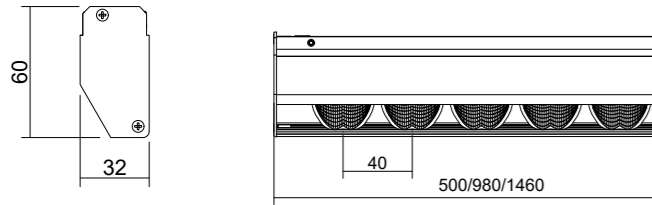


# MONO



## FFF RDB-WALL ANBAU/SURFACE MOUNTED LP40

Lichtpunktabstand 40mm/Light point distance 40mm

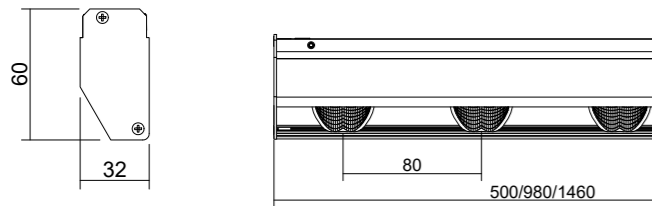


Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux		
	001 = 1W / LED	015 = 1,5W / LED	002 = 2W / LED
1898 = 500mm	12W / 1404 lm	18W / 1920 lm	24W / 2556 lm
1899 = 980mm	24W / 2808 lm	36W / 3840 lm	48W / 5112 lm
1900 = 1460mm	36W / 4212 lm	54W / 5760 lm	72W / 7668 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

## FFF RDB-WALL ANBAU/SURFACE MOUNTED LP80

Lichtpunktabstand 80mm/Light point distance 80mm



Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux		
	001 = 1W / LED	015 = 1,5W / LED	002 = 2W / LED
1901 = 500mm	6W / 702 lm	9W / 960 lm	12W / 1278 lm
1902 = 980mm	12W / 1404 lm	18W / 1920 lm	24W / 2556 lm
1903 = 1460mm	18W / 2106 lm	27W / 2880 lm	36W / 3834 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



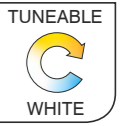
ARTIKELNUMMER / ARTICLE NUMBER:

□□□□ □□□ □ □ □ □ □ □ □ □

Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1898	001 = 1W	X = Ohne/None	00W = Wall	27 = 2700K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
1899	015 = 1,5W	Y = DALI		30 = 3000K	9 = 90	02 = RAL 9006 ●	
1900	002 = 2W	Z = On/Off		35 = 3500K		03 = RAL 9005 ●	
1901				40 = 4000K		04 = RAL 7016 ●	
1902				50 = 5000K*		05 = DB703 ●	
1903				57 = 5700K*			

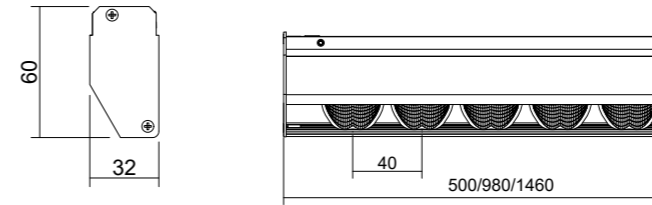
Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible  
\* 5000K und 5700K nur CRI 80/ 5000K and 5700K only CRI 80

# TUNEABLE WHITE



## FFF RDB-WALL ANBAU/SURFACE MOUNTED LP40

Lichtpunktabstand 40mm/Light point distance 40mm

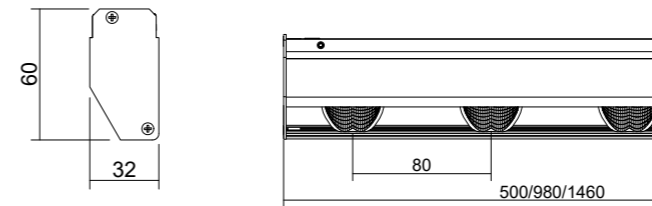


Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux
	002 = 2W / LED per Lichtpunkt / Light point
1904 = 500mm	24W / (1212 lm / 1392 lm)
1905 = 980mm	48W / (2424 lm / 2784 lm)
1906 = 1460mm	72W / (3636 lm / 4176 lm)

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

## FFF RDB-WALL ANBAU/SURFACE MOUNTED LP80

Lichtpunktabstand 80mm/Light point distance 80mm



Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux
	002 = 2W / LED per Lichtpunkt / Light point
1907 = 500mm	12W / (606 lm / 696 lm)
1908 = 980mm	24W / (1212 lm / 1392 lm)
1909 = 1460mm	36W / (1818 lm / 2088 lm)

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



ARTIKELNUMMER / ARTICLE NUMBER:

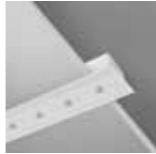



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Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1904	002 = 2W	X = Ohne/None	00W = Wall	T1 = 2200K - 4000K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
1905		W = DALI DT8		T2 = 2200K - 4500K	9 = 90	02 = RAL 9006 ●	
1906				T3 = 2200K - 5000K		03 = RAL 9005 ●	
1907				T4 = 2200K - 5700K*		04 = RAL 7016 ●	
1908				T5 = 2700K - 4000K		05 = DB703 ●	
1909				T6 = 2700K - 4500K			
				T7 = 2700K - 5000K			
				T8 = 2700K - 5700K*			

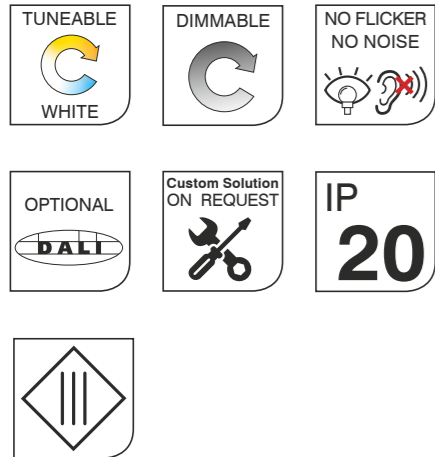
Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible  
\* 5700K nur CRI 80/ 5700K only CRI 80



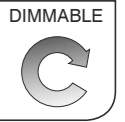
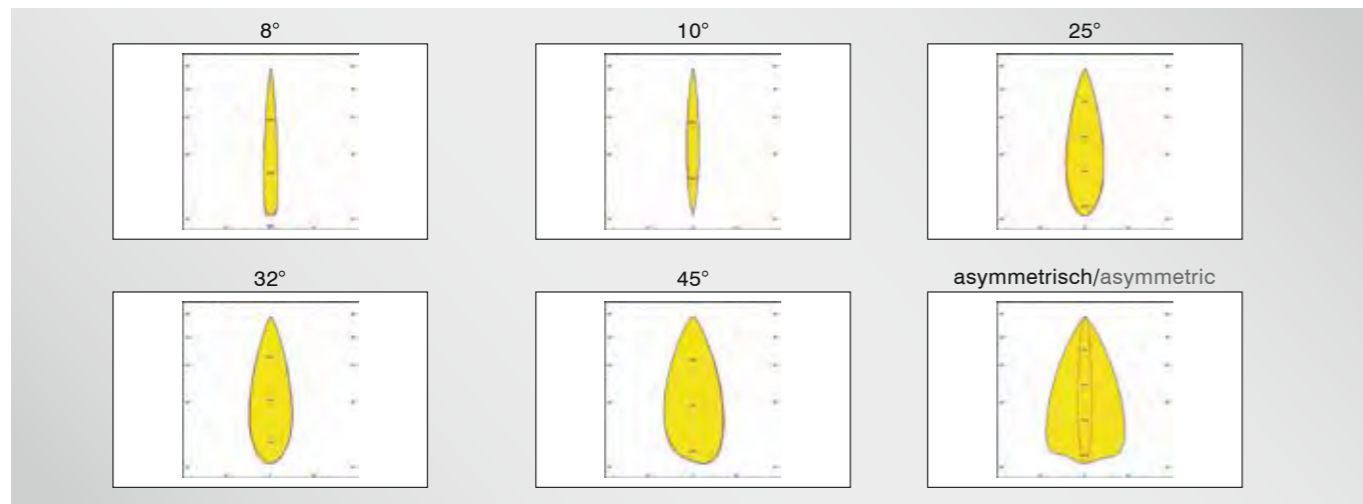
## PRODUKTE / PRODUCTS

	Seite/Page
 <b>Tinzo Line 35 Einbau/Recessed</b>	202
Mono	
Tuneable white	
 <b>Tinzo Line 65 Anbau/Surface mounted</b>	205
Mono	
Tuneable white	
 <b>Tinzo Line 65 Pendel/Pendant</b>	208
Mono	
Tuneable white	
 <b>Tinzo Line 65 Stromschiene/Track</b>	211
Mono	
Tuneable white	

	Seite/Page
 <b>Tinzo 2x2 Halbeinbau/Semi Recessed</b>	214
Mono	
Tuneable white	
 <b>Tinzo 2x2 Stromschiene/Track</b>	217
Mono	
Tuneable white	
 <b>Tinzo Super Spot Einbau/Recessed</b>	220
Mono	
Tuneable white	



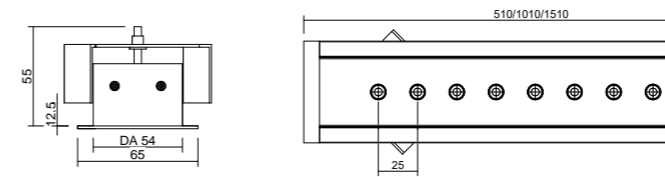
Lichtpunktabstand/Light point distance:	25mm, 50mm, 100mm
Treiber/Driver:	Extern/External
Leistung/Wattage:	5W – 120W
Lichtstrom/Luminous Flux:	585 lm – 12780 lm
Lichtverteilung/Beam angle:	8°, 10°, 25°, 32°, 45°, Asymmetrisch/Asymmetric
Wirkungsgrad/Efficiency:	> 85%
Farbtemperatur/Color Temperature:	2200K – 5700K
CRI:	>80, >90
Schutzklasse/Protection Class:	3
IP-Schutz/IP-Protection:	IP20
Oberfläche Gehäuse/Casing Finish:	Pulverbeschichtet/Powder Coated
Sonderausführung/Custom versions:	Auf Anfrage/On request



MONO

TINZO LINE 35 EINBAU/RECESSED LP25

Lichtpunktabstand 25mm/Light point distance 25mm

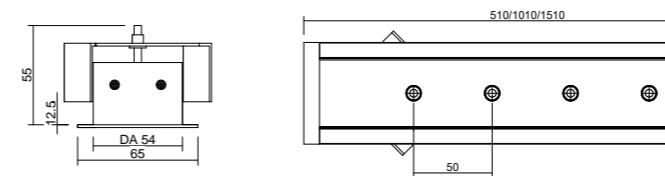


Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux		
	001 = 1W / LED	015 = 1,5W / LED	002 = 2W / LED
1698 = 510mm	20W / 2340 lm	30W / 3200 lm	40W / 4260 lm
1699 = 1010mm	40W / 4680 lm	60W / 6400 lm	80W / 8520 lm
1700 = 1510mm	60W / 7020 lm	90W / 9600 lm	120W / 12780 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

TINZO LINE 35 EINBAU/RECESSED LP50

Lichtpunktabstand 50mm/Light point distance 50mm

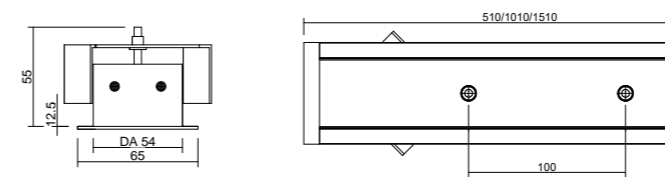


Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux		
	001 = 1W / LED	015 = 1,5W / LED	002 = 2W / LED
1701 = 510mm	10W / 1170 lm	15W / 1600 lm	20W / 2130 lm
1702 = 1010mm	20W / 2340 lm	30W / 3200 lm	40W / 4260 lm
1703 = 1510mm	30W / 3510 lm	45W / 4800 lm	60W / 6390 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

TINZO LINE 35 EINBAU/RECESSED LP100

Lichtpunktabstand 100mm/Light point distance 100mm



Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux		
	001 = 1W / LED	015 = 1,5W / LED	002 = 2W / LED
1704 = 510mm	5W / 585 lm	8W / 800 lm	10W / 1065 lm
1705 = 1010mm	10W / 1170 lm	15W / 1600 lm	20W / 2130 lm
1706 = 1510mm	15W / 1755 lm	23W / 2400 lm	30W / 3195 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



ARTIKELNUMMER / ARTICLE NUMBER:

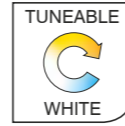


Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1698	001 = 1W	X = Ohne/None	A = Asymmetrisch/ Asymmetric	27 = 2700K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
1699	015 = 1,5W	Y = DALI	f = 8°	30 = 3000K	9 = 90	02 = RAL 9006 ●	
1700	002 = 2W	Z = On/Off	g = 10°	35 = 3500K		03 = RAL 9005 ●	
1701			T = 25°	40 = 4000K		04 = RAL 7016 ●	
1702			h = 32°	50 = 5000K*		05 = DB703 ●	
1703			W = 45°	57 = 5700K*			
1704							
1705							
1706							

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

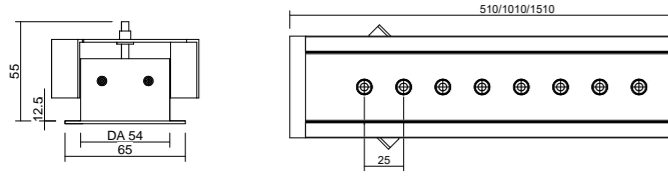
\* 5000K und 5700K nur CRI 80/ 5000K and 5700K only CRI 80

# TUNEABLE WHITE



## TINZO LINE 35 EINBAU/RECESSED LP25

Lichtpunktabstand 25mm/Light point distance 25mm

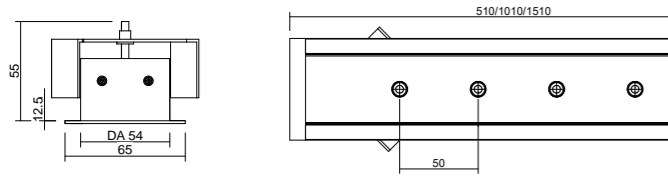


Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux 002 = 2W / LED per Lichtpunkt / Light point
1707 = 510mm	40W / (2020 lm / 2320 lm)
1708 = 1010mm	80W / (4040 lm / 4640 lm)
1709 = 1510mm	120W / (6060 lm / 6960 lm)

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

## TINZO LINE 35 EINBAU/RECESSED LP50

Lichtpunktabstand 50mm/Light point distance 50mm

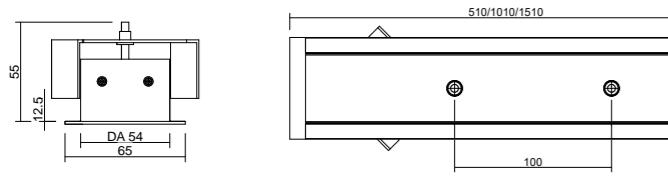


Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux 002 = 2W / LED per Lichtpunkt / Light point
1710 = 510mm	20W / (1010 lm / 1160 lm)
1711 = 1010mm	40W / (2020 lm / 2320 lm)
1712 = 1510mm	60W / (3030 lm / 3480 lm)

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

## TINZO LINE 35 EINBAU/RECESSED LP100

Lichtpunktabstand 100mm/Light point distance 100mm



Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux 002 = 2W / LED per Lichtpunkt / Light point
1713 = 510mm	10W / (505 lm / 580 lm)
1714 = 1010mm	20W / (1010 lm / 1160 lm)
1715 = 1510mm	30W / (1515 lm / 1740 lm)

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



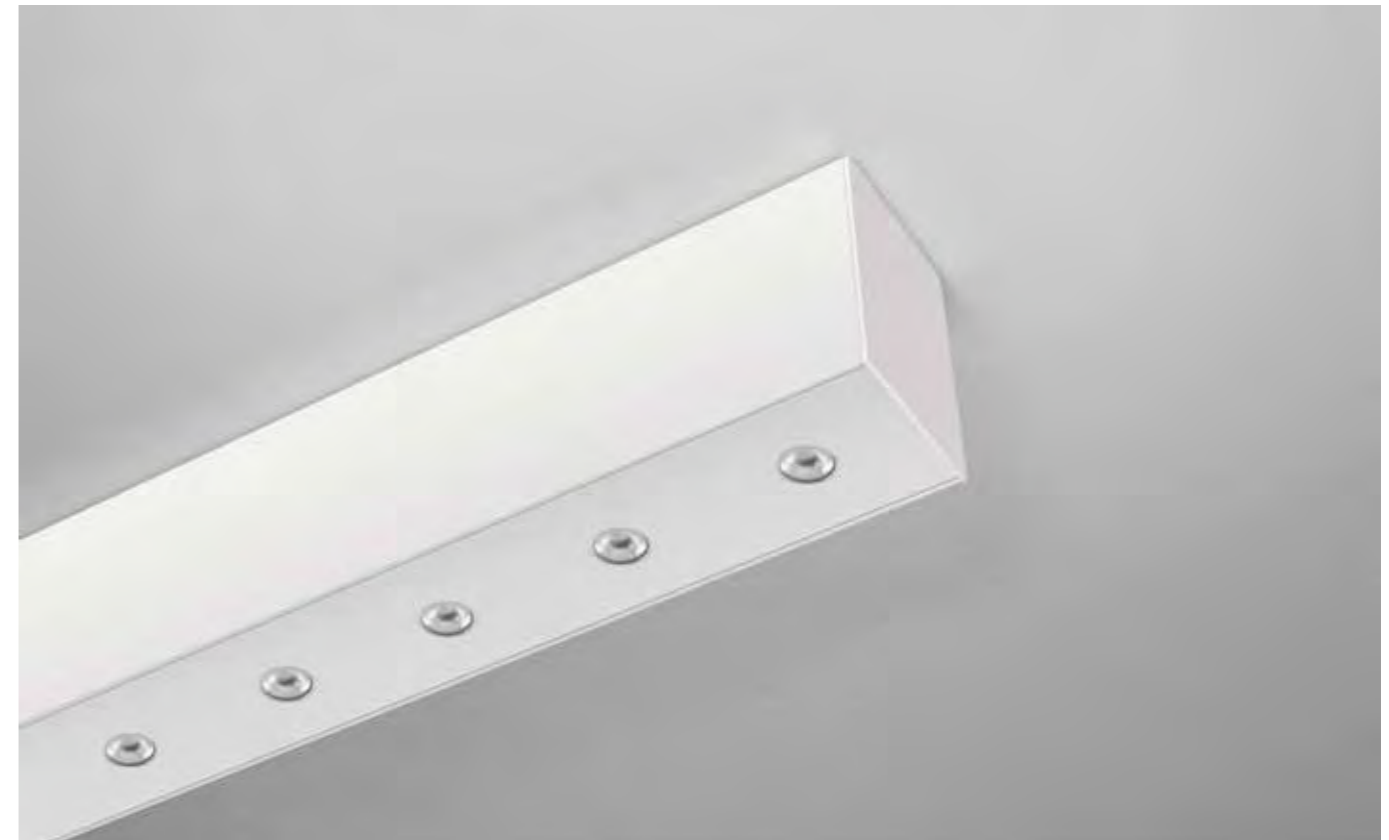
ARTIKELNUMMER / ARTICLE NUMBER:



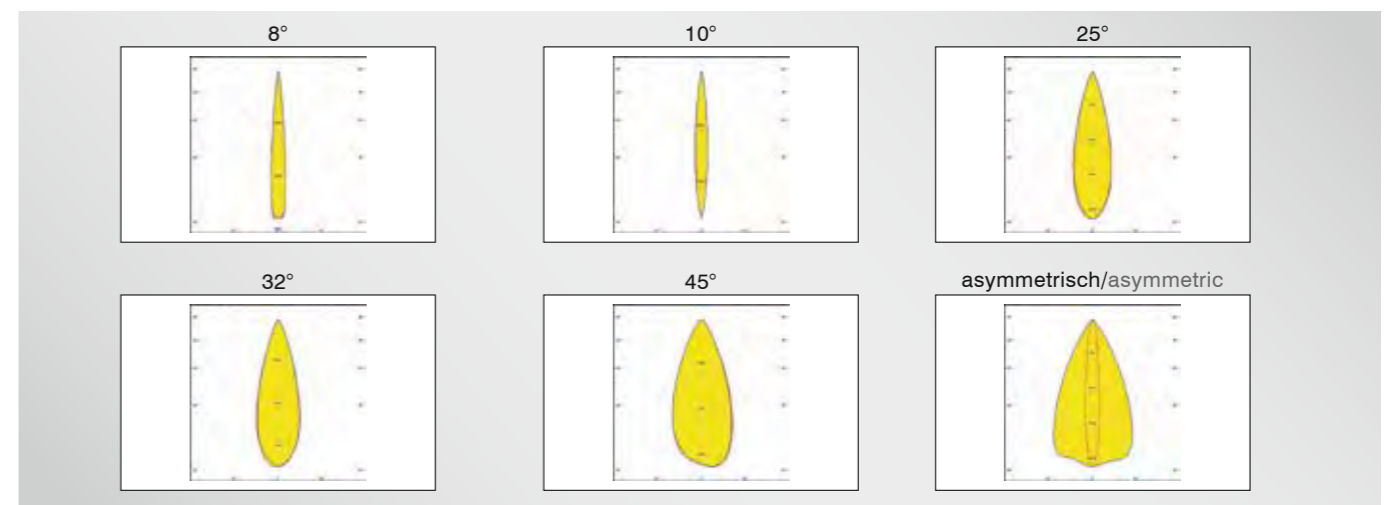
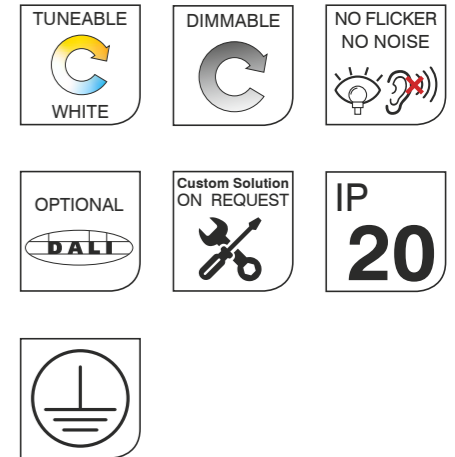
Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI	Farbe Color Finish	Extras Accessories
1707	002 = 2W	X = Ohne/None	A = Asymmetrisch/ Asymmetric	T1 = 2200K - 4000K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
1708		W = DALI DT8	f = 8°	T2 = 2200K - 4500K	9 = 90	02 = RAL 9006 ●	
1709			g = 10°	T3 = 2200K - 5000K		03 = RAL 9005 ●	
1710			T = 25°	T4 = 2200K - 5700K*		04 = RAL 7016 ●	
1711			h = 32°	T5 = 2700K - 4000K		05 = DB703 ●	
1712			W = 45°	T6 = 2700K - 4500K			
1713				T7 = 2700K - 5000K			
1714				T8 = 2700K - 5700K*			
1715							

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

\*5700K nur CRI 80/ 5700K only CRI 80

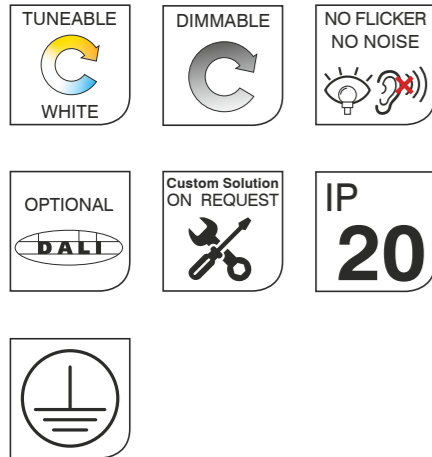


Lichtpunktabstand/Light point distance:	25mm, 50mm, 100mm
Treiber/Driver:	Integriert/Integrated
Leistung/Wattage:	5W - 120W
Lichtstrom/Luminous Flux:	585 lm - 12780 lm
Lichtverteilung/Beam angle:	8°, 10°, 25°, 32°, 45°, Asymmetrisch/Asymmetric
Wirkungsgrad/Efficiency:	>85%
Farbtemperatur/Color Temperature:	2200K - 5700K
CRI:	>80, >90
Schutzklasse/Protection Class:	1
IP-Schutz/IP-Protection:	IP20
Oberfläche Gehäuse/Casing Finish:	Pulverbeschichtet/Powder Coated
Sonderausführung/Custom versions:	Auf Anfrage/On request

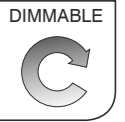
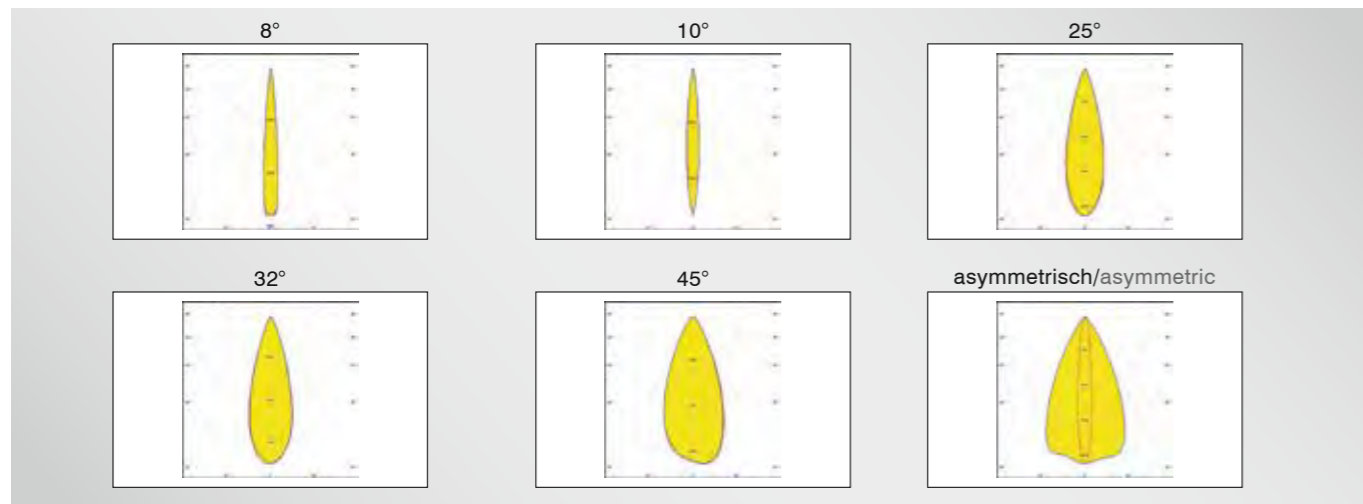








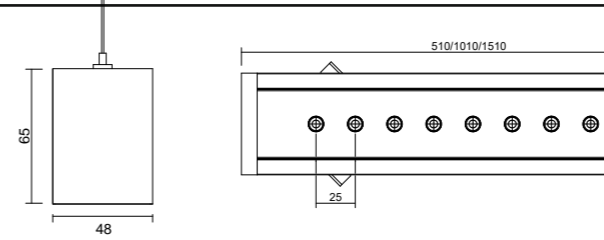
Lichtpunktabstand/Light point distance:	25mm, 50mm, 100mm
Treiber/Driver:	Integriert/Integrated
Leistung/Wattage:	5W – 120W
Lichtstrom/Luminous Flux:	585 lm – 12780 lm
Lichtverteilung/Beam angle:	8°, 10°, 25°, 32°, 45°, Asymmetrisch/Asymmetric
Wirkungsgrad/Efficiency:	>85%
Farbtemperatur/Color Temperature:	2200K – 5700K
CRI:	>80, >90
Schutzklasse/Protection Class:	1
IP-Schutz/IP-Protection:	IP20
Oberfläche Gehäuse/Casing Finish:	Pulverbeschichtet/Powder Coated
Sonderausführung/Custom versions:	Auf Anfrage/On request



MONO

TINZO LINE 65 PENDEL/PENDANT LP25

Lichtpunktabstand 25mm/Light point distance 25mm

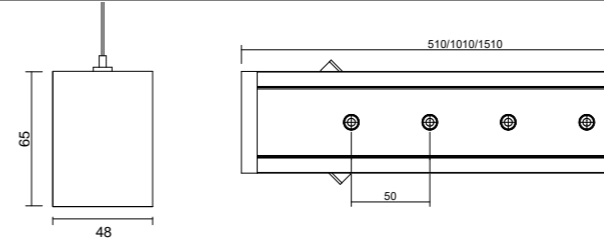


Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux		
	001 = 1W / LED	015 = 1,5W / LED	002 = 2W / LED
1788 = 510mm	20W / 2340 lm	30W / 3200 lm	40W / 4260 lm
1789 = 1010mm	40W / 4680 lm	60W / 6400 lm	80W / 8520 lm
1790 = 1510mm	60W / 7020 lm	90W / 9600 lm	120W / 12780 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

TINZO LINE 65 PENDEL/PENDANT LP50

Lichtpunktabstand 50mm/Light point distance 50mm

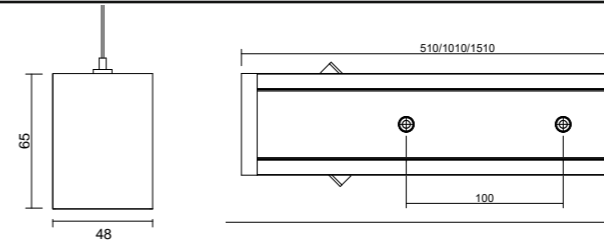


Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux		
	001 = 1W / LED	015 = 1,5W / LED	002 = 2W / LED
1791 = 510mm	10W / 1170 lm	15W / 1600 lm	20W / 2130 lm
1792 = 1010mm	20W / 2340 lm	30W / 3200 lm	40W / 4260 lm
1793 = 1510mm	30W / 3510 lm	45W / 4800 lm	60W / 6390 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

TINZO LINE 65 PENDEL/PENDANT LP100

Lichtpunktabstand 100mm/Light point distance 100mm



Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux		
	001 = 1W / LED	015 = 1,5W / LED	002 = 2W / LED
1794 = 510mm	5W / 585 lm	8W / 800 lm	10W / 1065 lm
1795 = 1010mm	10W / 1170 lm	15W / 1600 lm	20W / 2130 lm
1796 = 1510mm	15W / 1755 lm	23W / 2400 lm	30W / 3195 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



ARTIKELNUMMER / ARTICLE NUMBER:

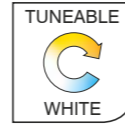


Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1788	001 = 1W	X = Ohne/None	A = Asymmetrisch/ Asymmetric	27 = 2700K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
1789	015 = 1,5W	Y = DALI	f = 8°	30 = 3000K	9 = 90	02 = RAL 9006 ●	
1790	002 = 2W	Z = On/Off	g = 10°	35 = 3500K		03 = RAL 9005 ●	
1791			T = 25°	40 = 4000K		04 = RAL 7016 ●	
1792			h = 32°	50 = 5000K*		05 = DB703 ●	
1793			W = 45°	57 = 5700K*			
1794							
1795							
1796							

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

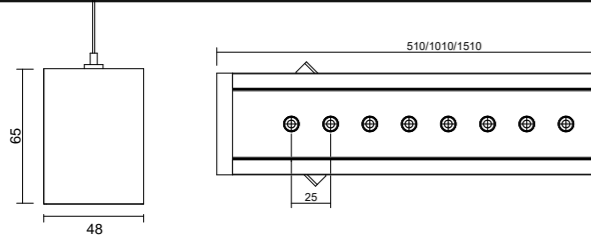
\* 5000K und 5700K nur CRI 80/ 5000K and 5700K only CRI 80

# TUNEABLE WHITE



## TINZO LINE 65 PENDEL/PENDANT LP25

Lichtpunktabstand 25mm/Light point distance 25mm

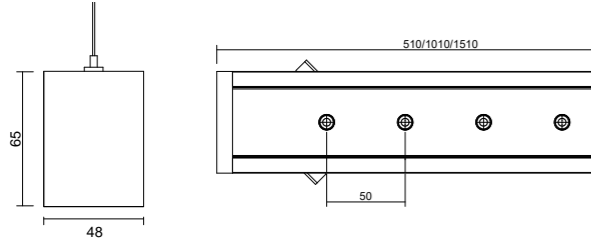


Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux 002 = 2W / LED per Lichtpunkt / Light point
1797 = 510mm	40W / (2020 lm / 2320 lm)
1798 = 1010mm	80W / (4040 lm / 4640 lm)
1799 = 1510mm	120W / (6060 lm / 6960 lm)

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

## TINZO LINE 65 PENDEL/PENDANT LP50

Lichtpunktabstand 50mm/Light point distance 50mm

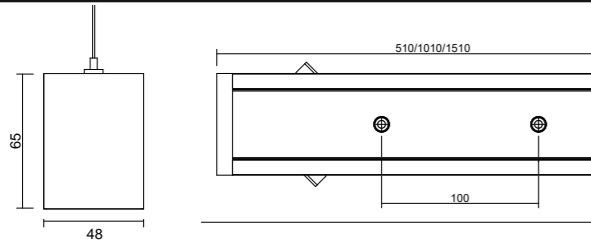


Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux 002 = 2W / LED per Lichtpunkt / Light point
1800 = 510mm	20W / (1010 lm / 1160 lm)
1801 = 1010mm	40W / (2020 lm / 2320 lm)
1802 = 1510mm	60W / (3030 lm / 3480 lm)

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

## TINZO LINE 65 PENDEL/PENDANT LP100

Lichtpunktabstand 100mm/Light point distance 100mm



Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux 002 = 2W / LED per Lichtpunkt / Light point
1803 = 510mm	10W / (505 lm / 580 lm)
1804 = 1010mm	20W / (1010 lm / 1160 lm)
1805 = 1510mm	30W / (1515 lm / 1740 lm)

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



ARTIKELNUMMER / ARTICLE NUMBER:



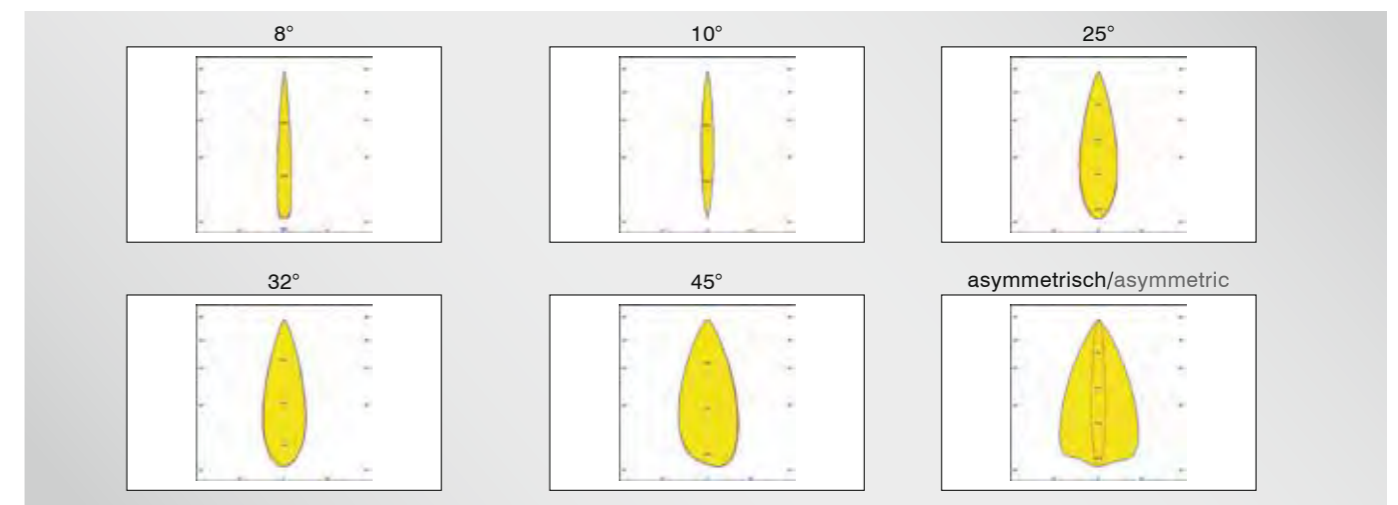
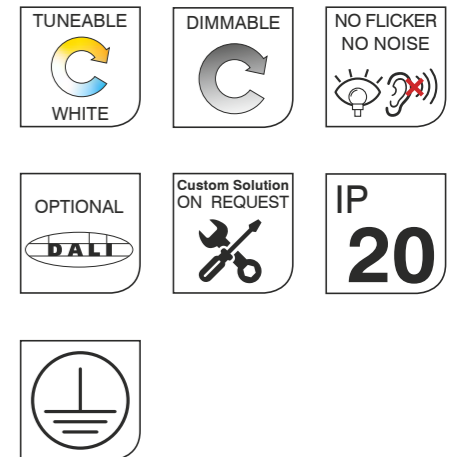
Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI	Farbe Color Finish	Extras Accessories
1797	002 = 2W	X = Ohne/None	A = Asymmetrisch/ Asymmetric	T1 = 2200K - 4000K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
1798		W = DALI DT8	f = 8°	T2 = 2200K - 4500K	9 = 90	02 = RAL 9006 ●	
1799			g = 10°	T3 = 2200K - 5000K		03 = RAL 9005 ●	
1800			T = 25°	T4 = 2200K - 5700K*		04 = RAL 7016 ●	
1801			h = 32°	T5 = 2700K - 4000K		05 = DB703 ●	
1802			W = 45°	T6 = 2700K - 4500K			
1803				T7 = 2700K - 5000K			
1804				T8 = 2700K - 5700K*			
1805							

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

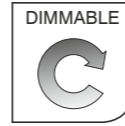
\*5700K nur CRI 80/ 5700K only CRI 80



Lichtpunktabstand/Light point distance:	25mm, 50mm, 100mm
Treiber/Driver:	Integriert/Integrated
Leistung/Wattage:	5W - 120W
Lichtstrom/Luminous Flux:	585 lm - 12780 lm
Lichtverteilung/Beam angle:	8°, 10°, 25°, 32°, 45°, Asymmetrisch/Asymmetric
Wirkungsgrad/Efficiency:	>85%
Farbtemperatur/Color Temperature:	2200K - 5700K
CRI:	>80, >90
Schutzklasse/Protection Class:	1
IP-Schutz/IP-Protection:	IP20
Oberfläche Gehäuse/Casing Finish:	Pulverbeschichtet/Powder Coated
Sonderausführung/Custom versions:	Auf Anfrage/On request

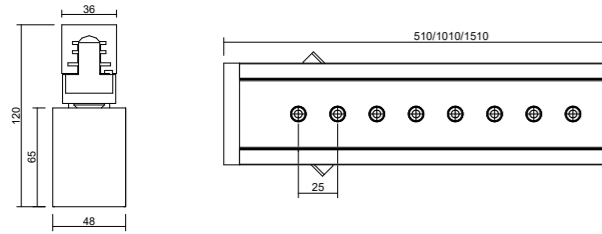


MONO



TINZO LINE 65 STROMSCHIENE / TRACK LP25

Lichtpunktabstand 25mm / Light point distance 25mm

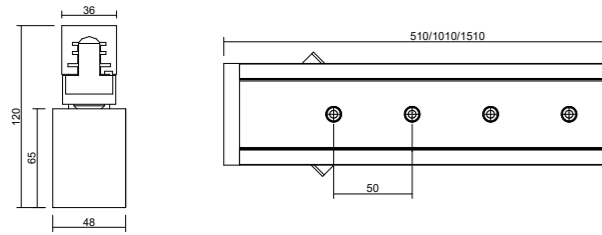


Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux		
	001 = 1W / LED	015 = 1,5W / LED	002 = 2W / LED
1824 = 510mm	20W / 2340 lm	30W / 3200 lm	40W / 4260 lm
1825 = 1010mm	40W / 4680 lm	60W / 6400 lm	80W / 8520 lm
1826 = 1510mm	60W / 7020 lm	90W / 9600 lm	120W / 12780 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

TINZO LINE 65 STROMSCHIENE / TRACK LP50

Lichtpunktabstand 50mm / Light point distance 50mm

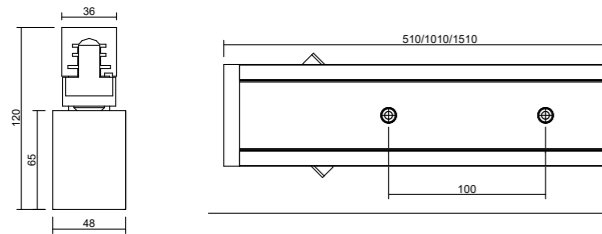


Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux		
	001 = 1W / LED	015 = 1,5W / LED	002 = 2W / LED
1827 = 510mm	10W / 1170 lm	15W / 1600 lm	20W / 2130 lm
1828 = 1010mm	20W / 2340 lm	30W / 3200 lm	40W / 4260 lm
1829 = 1510mm	30W / 3510 lm	45W / 4800 lm	60W / 6390 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

TINZO LINE 65 STROMSCHIENE / TRACK LP100

Lichtpunktabstand 100mm / Light point distance 100mm



Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux		
	001 = 1W / LED	015 = 1,5W / LED	002 = 2W / LED
1830 = 510mm	5W / 585 lm	8W / 800 lm	10W / 1065 lm
1831 = 1010mm	10W / 1170 lm	15W / 1600 lm	20W / 2130 lm
1832 = 1510mm	15W / 1755 lm	23W / 2400 lm	30W / 3195 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



ARTIKELNUMMER / ARTICLE NUMBER:

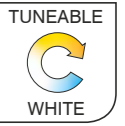
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Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI	Farbe Color Finish	Extras Accessories
1824	001 = 1W	X = Ohne/None	A = Asymmetrisch/ Asymmetric	27 = 2700K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
1825	015 = 1,5W	Y = DALI	f = 8°	30 = 3000K	9 = 90	02 = RAL 9006 ●	
1826	002 = 2W	Z = On/Off	g = 10°	35 = 3500K		03 = RAL 9005 ●	
1827			T = 25°	40 = 4000K		04 = RAL 7016 ●	
1828			h = 32°	50 = 5000K*		05 = DB703 ●	
1829			W = 45°	57 = 5700K*			
1830							
1831							
1832							

Andere Farbkombinationen oder Temperaturen möglich / Other color combinations or temperatures possible

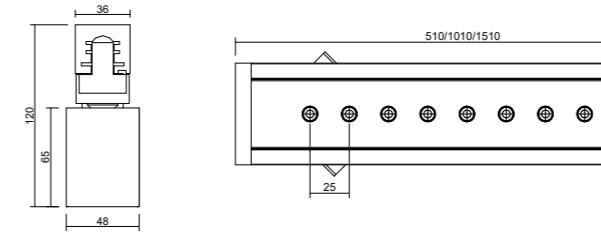
\*5000K und 5700K nur CRI 80 / 5000K and 5700K only CRI 80

TUNEABLE WHITE



TINZO LINE 65 STROMSCHIENE / TRACK LP25

Lichtpunktabstand 25mm / Light point distance 25mm

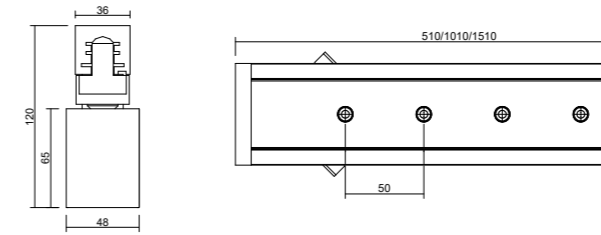


Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux
	002 = 2W / LED per Lichtpunkt / Light point
1833 = 510mm	40W / (2020 lm / 2320 lm)
1834 = 1010mm	80W / (4040 lm / 4640 lm)
1835 = 1510mm	120W / (6060 lm / 6960 lm)

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

TINZO LINE 65 STROMSCHIENE / TRACK LP50

Lichtpunktabstand 50mm / Light point distance 50mm

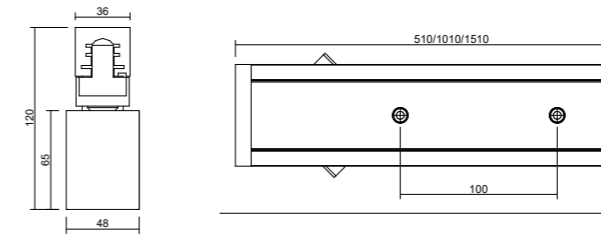


Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux
	002 = 2W / LED per Lichtpunkt / Light point
1836 = 510mm	20W / (1010 lm / 1160 lm)
1837 = 1010mm	40W / (2020 lm / 2320 lm)
1838 = 1510mm	60W / (3030 lm / 3480 lm)

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

TINZO LINE 65 STROMSCHIENE / TRACK LP100

Lichtpunktabstand 100mm / Light point distance 100mm



Produkt ID Länge / length	Verbrauch + Lichtstrom/Wattage + Luminous Flux
	002 = 2W / LED per Lichtpunkt / Light point
1839 = 510mm	10W / (505 lm / 580 lm)
1840 = 1010mm	20W / (1010 lm / 1160 lm)
1841 = 1510mm	30W / (1515 lm / 1740 lm)

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



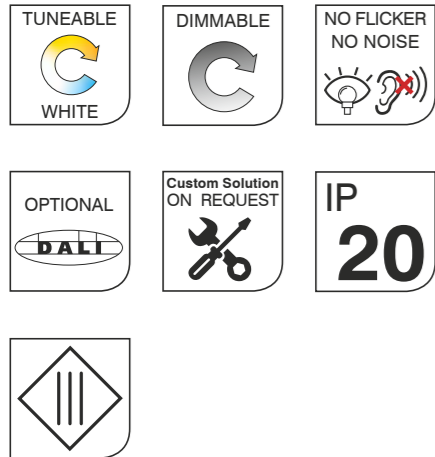
ARTIKELNUMMER / ARTICLE NUMBER:

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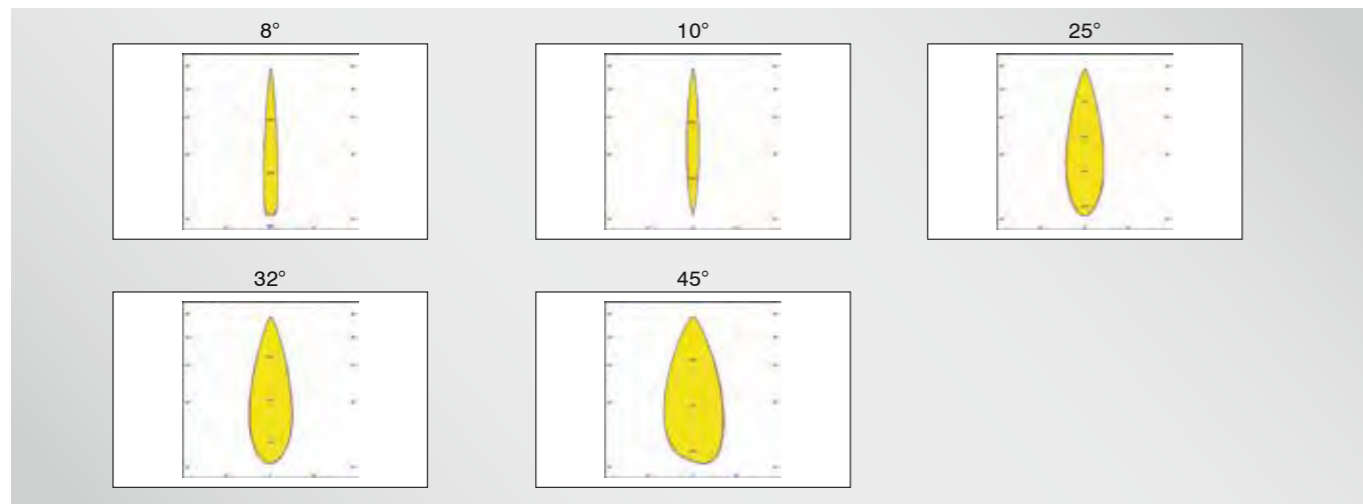
Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI	Farbe Color Finish	Extras Accessories
1833	002 = 2W	X = Ohne/None	A = Asymmetrisch/ Asymmetric	T1 = 2200K - 4000K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
1834		W = DALI DT8	f = 8°	T2 = 2200K - 4500K	9 = 90	02 = RAL 9006 ●	
1835			g = 10°	T3 = 2200K - 5000K		03 = RAL 9005 ●	
1836			T = 25°	T4 = 2200K - 5700K*		04 = RAL 7016 ●	
1837			h = 32°	T5 = 2700K - 4000K		05 = DB703 ●	
1838			W = 45°	T6 = 2700K - 4500K			
1839				T7 = 2700K - 5000K			
1840				T8 = 2700K - 5700K*			
1841							

Andere Farbkombinationen oder Temperaturen möglich / Other color combinations or temperatures possible

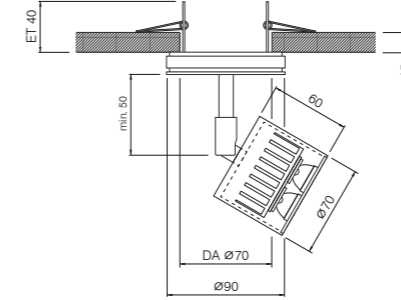
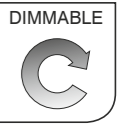
\*5700K nur CRI 80 / 5700K only CRI 80



Lichtpunktabstand/Light point distance:	n.a.
Treiber/Driver:	Extern/External
Leistung/Wattage:	4W – 8W
Lichtstrom/Luminous Flux:	468 lm – 852 lm
Lichtverteilung/Beam angle:	8°, 10°, 25°, 32°, 45°
Wirkungsgrad/Efficiency:	>85%
Farbtemperatur/Color Temperature:	2200K – 5700K
CRI:	>80, >90
Schutzklasse/Protection Class:	3
IP-Schutz/IP-Protection:	IP20
Oberfläche Gehäuse/Casing Finish:	Pulverbeschichtet/Powder Coated
Sonderausführung/Custom versions:	Auf Anfrage/On request



MONO



Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux		
	041 = 4x1W	045 = 4x1,5W	042 = 4x2W
1842	468 lm	640 lm	852 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

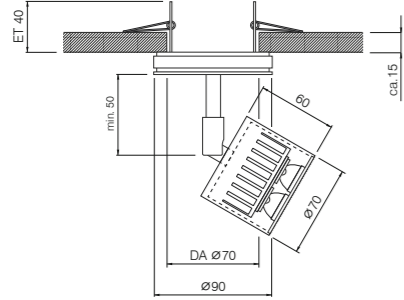
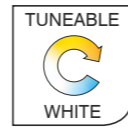


ARTIKELNUMMER / ARTICLE NUMBER:

Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1842	041 = 4x1W	X = Ohne/None	f = 8°	27 = 2700K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
	045 = 4x1,5W	Y = DALI	g = 10°	30 = 3000K	9 = 90	02 = RAL 9006 ●	
	042 = 4x2W	Z = On/Off	T = 25°	35 = 3500K		03 = RAL 9005 ●	
			h = 32°	40 = 4000K		04 = RAL 7016 ●	
			W = 45°	50 = 5000K*		05 = DB703 ●	
				57 = 5700K*			

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible  
\*5000K und 5700K nur CRI 80/ 5000K and 5700K only CRI 80

# TUNEABLE WHITE



Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux
042 = 4x2W	
1844	404 lm / 464 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



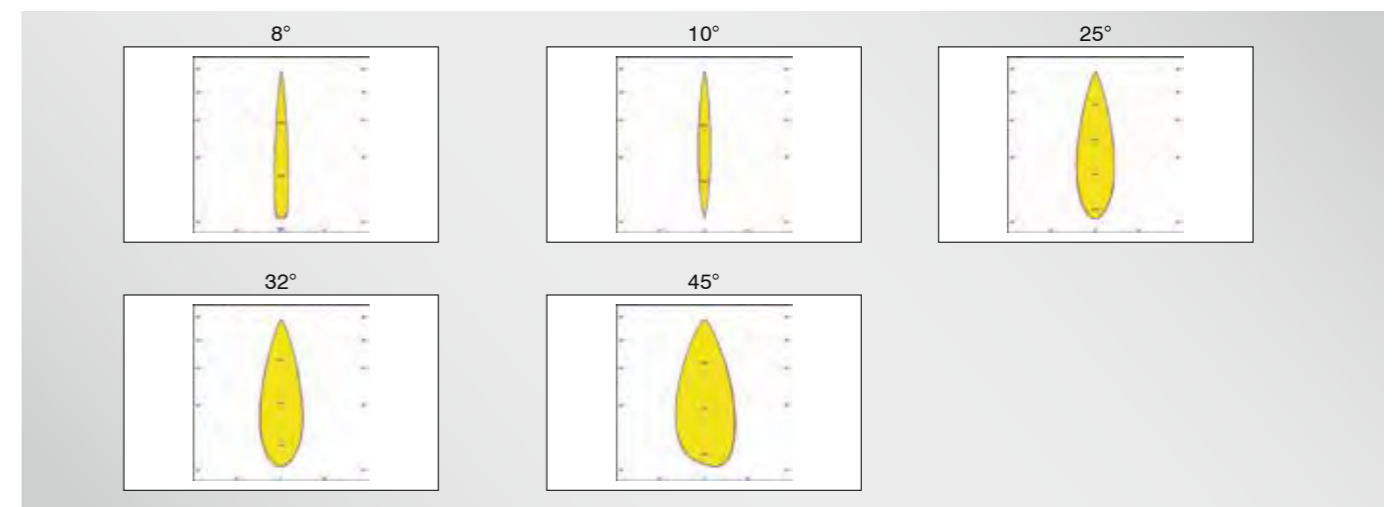
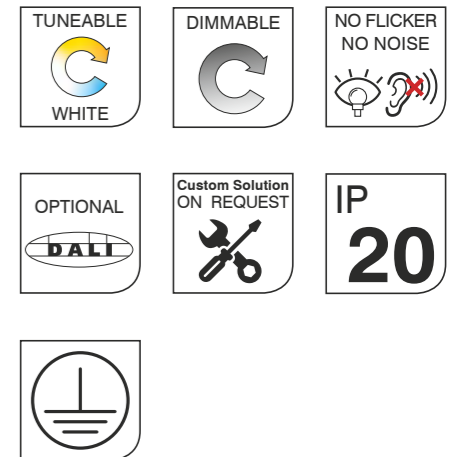
ARTIKELNUMMER / ARTICLE NUMBER:

Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1844	042 = 4x2W	X = Ohne/None	f = 8°	T1 = 2200K - 4000K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
		W = DALI DT8	g = 10°	T2 = 2200K - 4500K	9 = 90	02 = RAL 9006 ●	
			T = 25°	T3 = 2200K - 5000K		03 = RAL 9005 ●	
			h = 32°	T4 = 2200K - 5700K*		04 = RAL 7016 ●	
			W = 45°	T5 = 2700K - 4000K		05 = DB703 ●	
				T6 = 2700K - 4500K			
				T7 = 2700K - 5000K			
				T8 = 2700K - 5700K*			

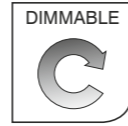
Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible \*5700K nur CRI 80/ 5700K only CRI 80



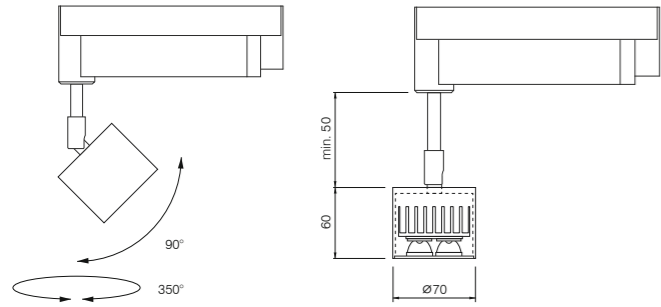
Lichtpunktabstand/Light point distance:	n.a.
Treiber/Driver:	Integriert/Integrated
Leistung/Wattage:	4W - 8W
Lichtstrom/Luminous Flux:	468 lm - 852 lm
Lichtverteilung/Beam angle:	8°, 10°, 25°, 32°, 45°
Wirkungsgrad/Efficiency:	>85%
Farbtemperatur/Color Temperature:	2200K - 5700K
CRI:	>80, >90
Schutzklasse/Protection Class:	1
IP-Schutz/IP-Protection:	IP20
Oberfläche Gehäuse/Casing Finish:	Pulverbeschichtet/Powder Coated
Sonderausführung/Custom versions:	Auf Anfrage/On request



MONO



TINZO 2X2 STROMSCHIENE / TRACK



Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux		
	041 = 4x1W	045 = 4x1,5W	042 = 4x2W
1845	468 lm	640 lm	852 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



ARTIKELNUMMER / ARTICLE NUMBER:

Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1845	041 = 4x1W	X = Ohne/None	f = 8°	27 = 2700K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
	045 = 4x1,5W	Y = DALI	g = 10°	30 = 3000K	9 = 90	02 = RAL 9006 ●	
	042 = 4x2W	Z = On/Off	T = 25°	35 = 3500K		03 = RAL 9005 ●	
			h = 32°	40 = 4000K		04 = RAL 7016 ●	
			W = 45°	50 = 5000K*		05 = DB703 ●	
				57 = 5700K*			

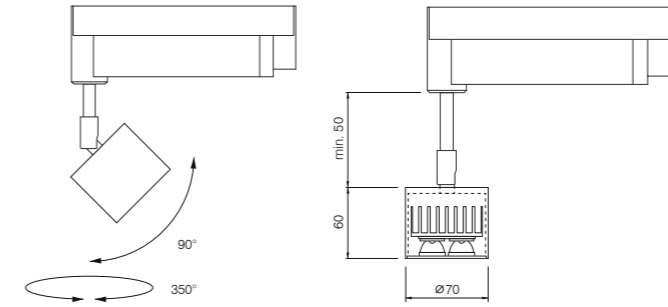
Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

\* 5000K und 5700K nur CRI 80/ 5000K and 5700K only CRI 80

TUNEABLE WHITE



TINZO 2X2 STROMSCHIENE / TRACK



Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux	
	042 = 4x2W	
1847	404 lm / 464 lm	

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

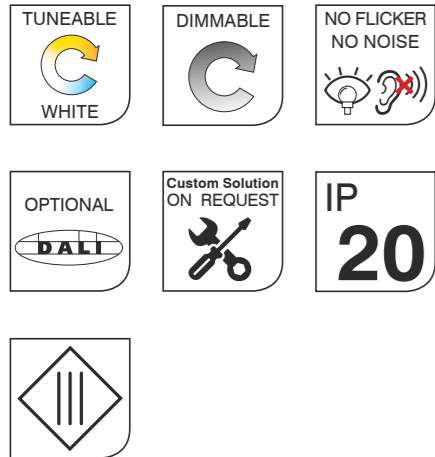


ARTIKELNUMMER / ARTICLE NUMBER:

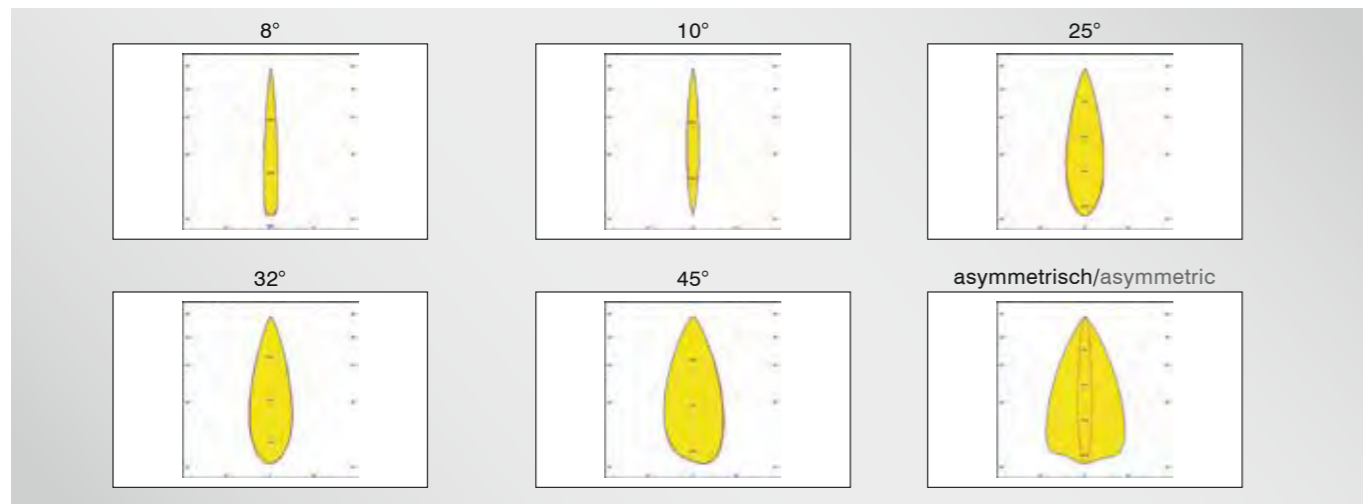
Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
1847	042 = 4x2W	X = Ohne/None	f = 8°	T1 = 2200K - 4000K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
		W = DALI DT8	g = 10°	T2 = 2200K - 4500K	9 = 90	02 = RAL 9006 ●	
			T = 25°	T3 = 2200K - 5000K		03 = RAL 9005 ●	
			h = 32°	T4 = 2200K - 5700K*		04 = RAL 7016 ●	
			W = 45°	T5 = 2700K - 4000K		05 = DB703 ●	
				T6 = 2700K - 4500K			
				T7 = 2700K - 5000K			
				T8 = 2700K - 5700K*			

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

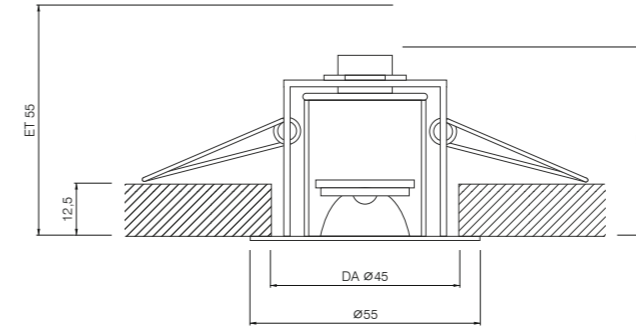
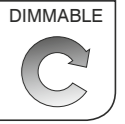
\* 5700K nur CRI 80/ 5700K only CRI 80



Lichtpunktabstand/Light point distance:	n/a
Treiber/Driver:	Extern/External
Leistung/Wattage:	1W - 2W
Lichtstrom/Luminous Flux:	117 lm - 213 lm
Lichtverteilung/Beam angle:	8°, 10°, 25°, 32°, 45°, Asymmetrisch/Asymmetric
Wirkungsgrad/Efficiency:	>85%
Farbtemperatur/Color Temperature:	2200K - 5700K
CRI:	>80, >90
Schutzklasse/Protection Class:	3
IP-Schutz/IP-Protection:	IP20
Oberfläche Gehäuse/Casing Finish:	Pulverbeschichtet/Powder Coated
Sonderausführung/Custom versions:	Auf Anfrage/On request



MONO



Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux		
	001 = 1W	015 = 1,5W	002 = 2W
2060	117 lm	160 lm	213 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

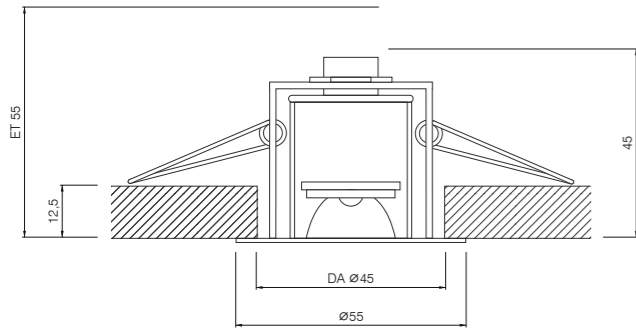
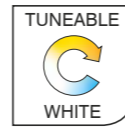


ARTIKELNUMMER / ARTICLE NUMBER:

Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
2060	001 = 1W	X = Ohne/None	A = Asymmetrisch/ Asymmetric	27 = 2700K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
	015 = 1,5W	Y = DALI	f = 8°	30 = 3000K	9 = 90	02 = RAL 9006 ●	
	002 = 2W	Z = On/Off	g = 10°	35 = 3500K		03 = RAL 9005 ●	
			T = 25°	40 = 4000K		04 = RAL 7016 ●	
			h = 32°	50 = 5000K*		05 = DB703 ●	
			W = 45°	57 = 5700K*			

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible  
\*5000K und 5700K nur CRI 80/ 5000K and 5700K only CRI 80

# TUNEABLE WHITE



Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux
002 = 2W	
2061	101lm / 116lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



ARTIKELNUMMER / ARTICLE NUMBER:

Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
2061	002 = 2W	X = Ohne/None W = DALI DT8	A = Asymmetrisch/ Asymmetric	T1 = 2200K - 4000K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
			f = 8°	T2 = 2200K - 4500K	9 = 90	02 = RAL 9006 ●	
			g = 10°	T3 = 2200K - 5000K	03 = RAL 9005 ●		
			T = 25°	T4 = 2200K - 5700K*	04 = RAL 7016 ●		
			h = 32°	T5 = 2700K - 4000K	05 = DB703 ●		
			W = 45°	T6 = 2700K - 4500K			
				T7 = 2700K - 5000K			
				T8 = 2700K - 5700K*			

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible \*5700K nur CRI 80/ 5700K only CRI 80

*Für Allgemein- und Akzentbeleuchtung.*

*For general and accent lighting.*





OHY steht für „Optical Hybrid“ da die Leuchte aus einem Zusammenspiel von Linse und Reflektor besteht.

Durch die innovative Kombination der beiden Komponenten liefert diese Leuchtenserie einen hohen Lichtstrom mit bis zu 880lm pro LED, sowie eine stark gebündelte Lichtverteilung bei minimaler Lichtpunktzahl.









Die OHY-Leuchten eignen sich somit perfekt für Spotlight-Applikationen oder als Grundbeleuchtung für Räume mit hohen Decken.

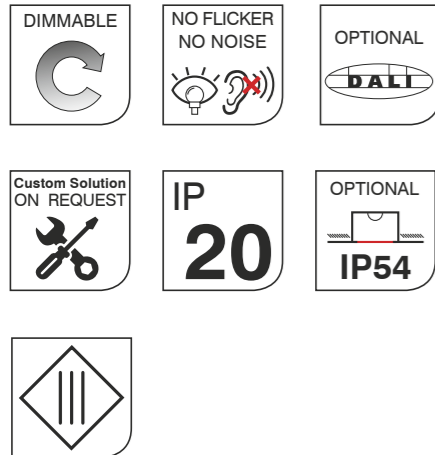
OHY stands for “Optical Hybrid” because it consists of an interaction between lens and reflector.

Thanks to the innovative combination of both components, this luminaire-series delivers a high luminous output up to 880lm per each LED and a very focused, narrow light distribution with a small number of light points.

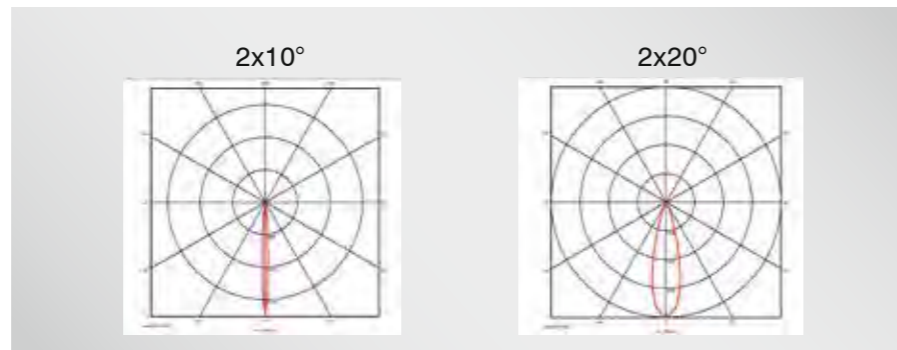
Our OHY-fittings are suited perfectly for spotlight-applications or as general illumination for spaces with high ceilings.

## PRODUKTE / PRODUCTS

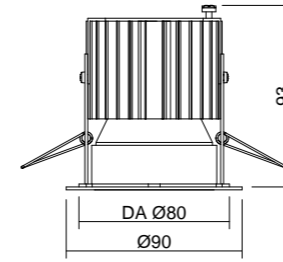
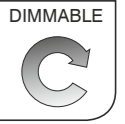
	Seite/Page		Seite/Page
	<b>OHY Spot Einbau/Recessed</b> 226		<b>OHY 7 Einbau/Recessed</b> 234
	Mono		Mono
	<b>OHY Spot schwenkbar Einbau/ Tilt recessed</b> 228		<b>OHY 7/ Anbau/Surface mounted</b> 236
	Mono		Mono
	<b>OHY Spot Gelenkstrahler Anbau/Tilt mounted</b> 230		<b>OHY 7 Stromschiene/Track</b> 238
	Mono		Mono
	<b>OHY Spot Stromschiene/Track</b> 232		<b>OHY 7 Outdoor Anbau/Surface mounted</b> 240
	Mono		Mono



Lichtpunktabstand/Light point distance:	n/a
Treiber/Driver:	Extern/External
Leistung/Wattage:	4W – 13W
Lichtstrom/Luminous Flux:	374 lm – 2100 lm
Lichtverteilung/Beam angle:	2x10°, 2x20°
Wirkungsgrad/Efficiency:	>85%
Farbtemperatur/Color Temperature:	2200K – 5700K
CRI:	>80, >90
Schutzklasse/Protection Class:	3
IP-Schutz/IP-Protection:	IP20, IP54 (optional)
Oberfläche Gehäuse/Casing Finish:	Pulverbeschichtet/Powder Coated
Sonderausführung/Custom versions:	Auf Anfrage/On request



MONO



Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux				
	004 = 4W	006 = 6W	008 = 8W	011 = 11W	013 = 13W
2165	374 lm	561 lm	748 lm	1800 lm	2100 lm

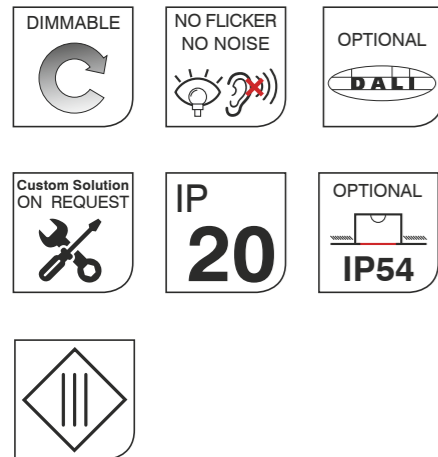
Weitere Sonderausführungen auf Anfrage / Custom solutions on request



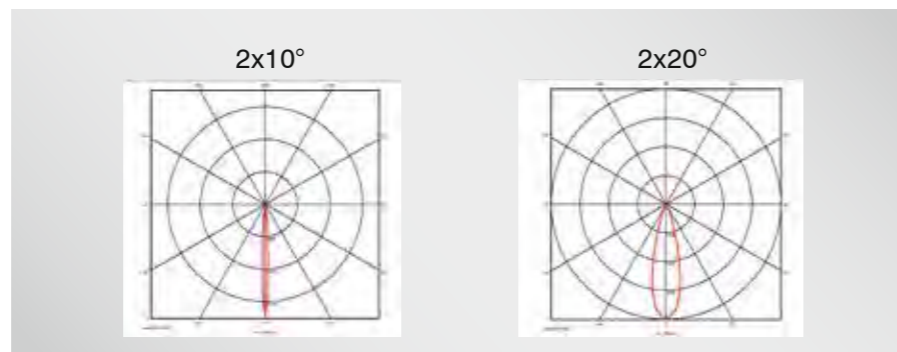
ARTIKELNUMMER / ARTICLE NUMBER:

Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI	Farbe Color Finish	Extras Accessories
2165	004 = 4W	X = Ohne/None	e = 2x10°	27 = 2700K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
	006 = 6W	Y = DALI	B = 2x20°	30 = 3000K	9 = 90	02 = RAL 9006 ●	A = Schutzscheibe/ Cover Glass
	008 = 8W	Z = On/Off		35 = 3500K		03 = RAL 9005 ●	
	011 = 11W			40 = 4000K		04 = RAL 7016 ●	
	013 = 13W			50 = 5000K		05 = DB703 ●	
				57 = 5700K			

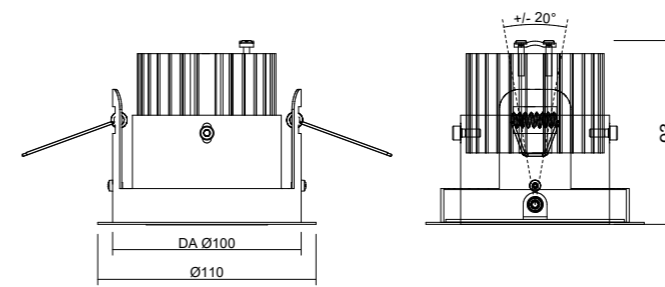
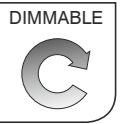
Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible



Lichtpunktabstand/Light point distance:	n/a
Treiber/Driver:	Extern/External
Leistung/Wattage:	4W – 13W
Lichtstrom/Luminous Flux:	374 lm – 2100 lm
Lichtverteilung/Beam angle:	2x10°, 2x20°
Wirkungsgrad/Efficiency:	>85%
Farbtemperatur/Color Temperature:	2200K – 5700K
CRI:	>80, >90
Schutzklasse/Protection Class:	3
IP-Schutz/IP-Protection:	IP20, IP54 (optional)
Oberfläche Gehäuse/Casing Finish:	Pulverbeschichtet/Powder Coated
Sonderausführung/Custom versions:	Auf Anfrage/On request



MONO



Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux				
	004 = 4W	006 = 6W	008 = 8W	011 = 11W	013 = 13W
2167	374 lm	561 lm	748 lm	1800 lm	2100 lm

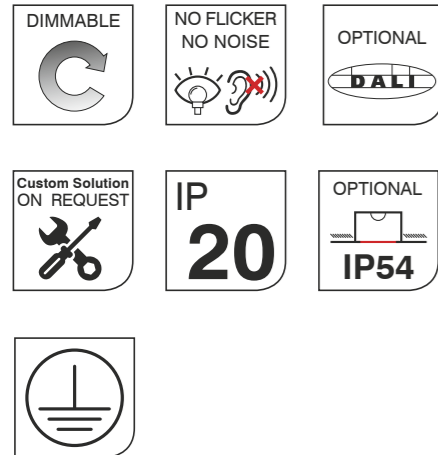
Weitere Sonderausführungen auf Anfrage / Custom solutions on request



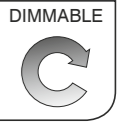
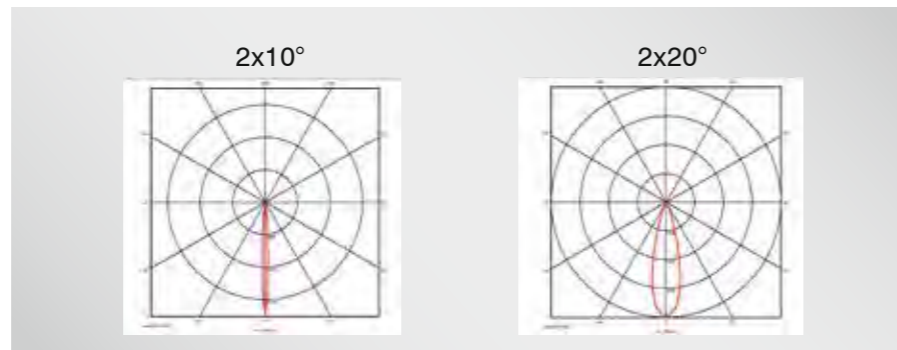
ARTIKELNUMMER / ARTICLE NUMBER:

Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI	Farbe Color Finish	Extras Accessories
2167	004 = 4W	X = Ohne/None	e = 2x10°	27 = 2700K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
	006 = 6W	Y = DALI	B = 2x20°	30 = 3000K	9 = 90	02 = RAL 9006 ●	A = Schutzscheibe/ Cover Glass
	008 = 8W	Z = On/Off		35 = 3500K		03 = RAL 9005 ●	
	011 = 11W			40 = 4000K		04 = RAL 7016 ●	
	013 = 13W			50 = 5000K		05 = DB703 ●	
				57 = 5700K			

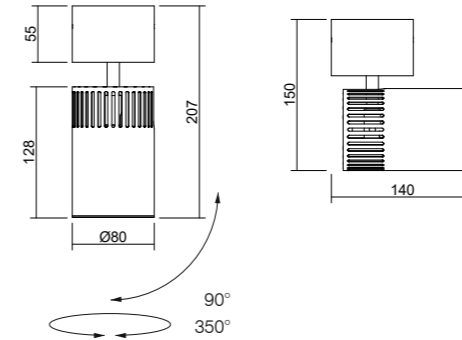
Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible



Lichtpunktabstand/Light point distance:	n/a
Treiber/Driver:	Integriert/Integrated
Leistung/Wattage:	4W – 11W
Lichtstrom/Luminous Flux:	374 lm – 1800 lm
Lichtverteilung/Beam angle:	2x10°, 2x20°
Wirkungsgrad/Efficiency:	>85%
Farbtemperatur/Color Temperature:	2200K – 5700K
CRI:	>80, >90
Schutzklasse/Protection Class:	1
IP-Schutz/IP-Protection:	IP20, IP54 (optional)
Oberfläche Gehäuse/Casing Finish:	Pulverbeschichtet/Powder Coated
Sonderausführung/Custom versions:	Auf Anfrage/On request



MONO



Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux			
	004 = 4W	006 = 6W	008 = 8W	011 = 11W
2181	374 lm	561 lm	748 lm	1800 lm

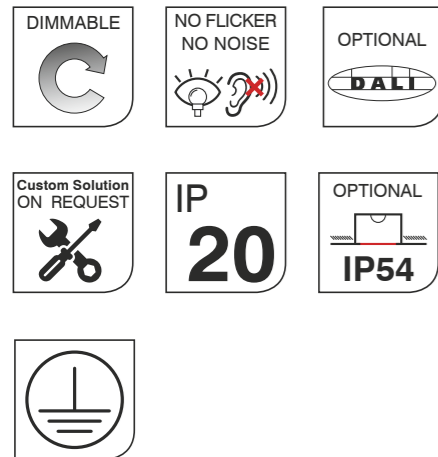
Weitere Sonderausführungen auf Anfrage / Custom solutions on request



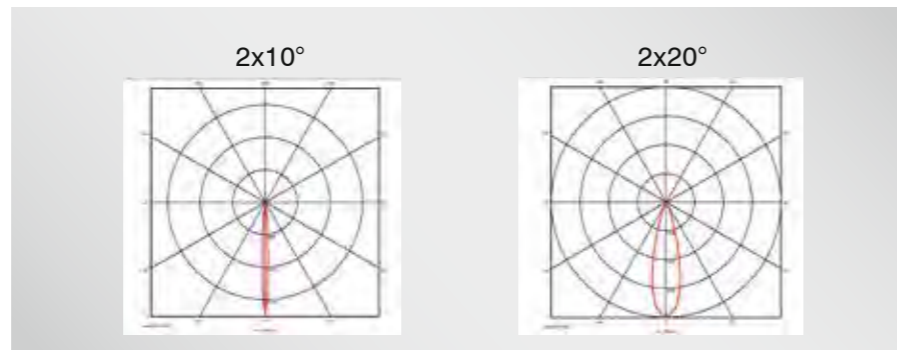
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Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI	Farbe Color Finish	Extras Accessories
2181	004 = 4W	X = Ohne/None	e = 2x10°	27 = 2700K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
	006 = 6W	Z = On/Off	B = 2x20°	30 = 3000K	9 = 90	02 = RAL 9006 ●	A = Schutzscheibe/ Cover Glass
	008 = 8W			35 = 3500K		03 = RAL 9005 ●	
	011 = 11W			40 = 4000K		04 = RAL 7016 ●	
				50 = 5000K		05 = DB703 ●	
				57 = 5700K			

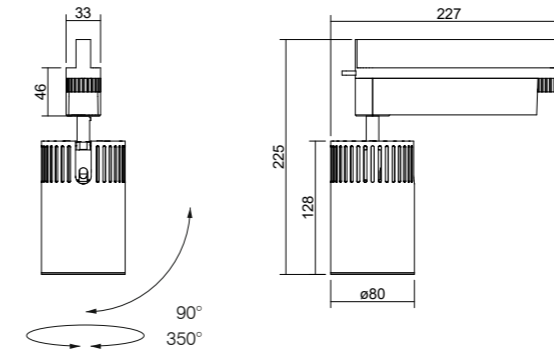
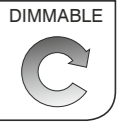
Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible



Lichtpunktabstand/Light point distance:	n/a
Treiber/Driver:	Integriert/Integrated
Leistung/Wattage:	4W – 13W
Lichtstrom/Luminous Flux:	374 lm – 2100 lm
Lichtverteilung/Beam angle:	2x10°, 2x20°
Wirkungsgrad/Efficiency:	>85%
Farbtemperatur/Color Temperature:	2200K – 5700K
CRI:	>80, >90
Schutzklasse/Protection Class:	1
IP-Schutz/IP-Protection:	IP20, IP54 (optional)
Oberfläche Gehäuse/Casing Finish:	Pulverbeschichtet/Powder Coated
Sonderausführung/Custom versions:	Auf Anfrage/On request



MONO



Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux				
	004 = 4W	006 = 6W	008 = 8W	011 = 11W	013 = 13W
2187	374 lm	561 lm	748 lm	1800 lm	2100 lm

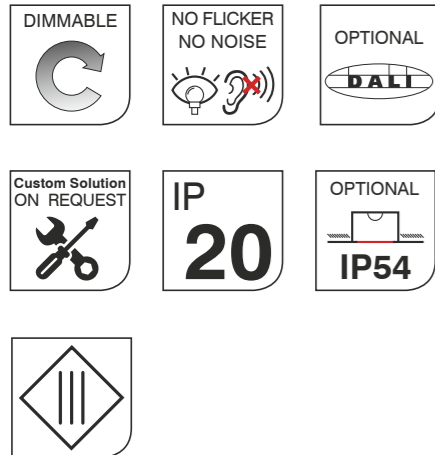
Weitere Sonderausführungen auf Anfrage / Custom solutions on request



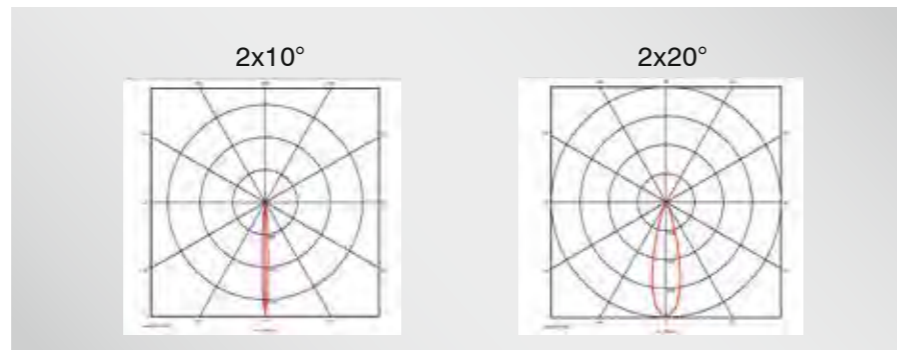
ARTIKELNUMMER / ARTICLE NUMBER:

Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI	Farbe Color Finish	Extras Accessories
2187	004 = 4W	X = Ohne/None	e = 2x10°	27 = 2700K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
	006 = 6W	Y = DALI	B = 2x20°	30 = 3000K	9 = 90	02 = RAL 9006 ●	A = Schutzscheibe/ Cover Glass
	008 = 8W	Z = On/Off		35 = 3500K		03 = RAL 9005 ●	
	011 = 11W			40 = 4000K		04 = RAL 7016 ●	
	013 = 13W			50 = 5000K		05 = DB703 ●	
				57 = 5700K			

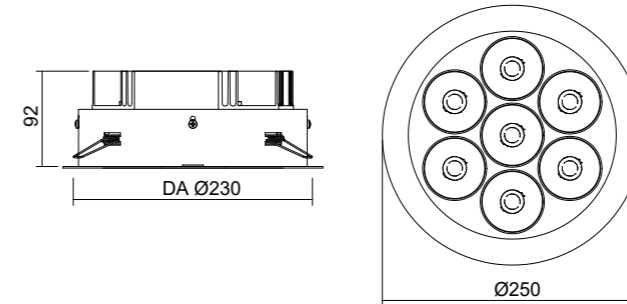
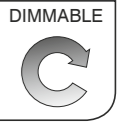
Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible



Lichtpunktabstand/Light point distance:	n/a
Treiber/Driver:	Extern/External
Leistung/Wattage:	28W – 56W
Lichtstrom/Luminous Flux:	2618 lm – 5236 lm
Lichtverteilung/Beam angle:	2x10°, 2x20°
Wirkungsgrad/Efficiency:	>85%
Farbtemperatur/Color Temperature:	2200K – 5700K
CRI:	>80, >90
Schutzklasse/Protection Class:	3
IP-Schutz/IP-Protection:	IP20, IP54 (optional)
Oberfläche Gehäuse/Casing Finish:	Pulverbeschichtet/Powder Coated
Sonderausführung/Custom versions:	Auf Anfrage/On request



MONO



Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux		
	028 = 28W	420 = 42W	560 = 56W
2175	2618 lm	3927 lm	5236 lm

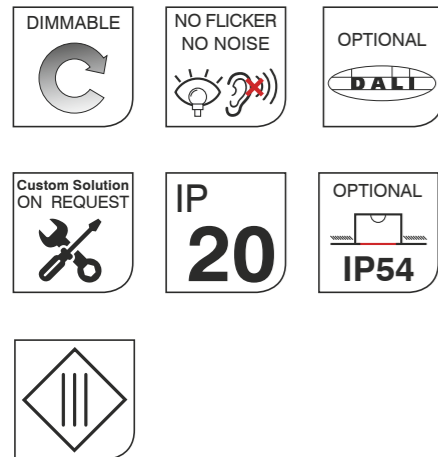
Weitere Sonderausführungen auf Anfrage / Custom solutions on request



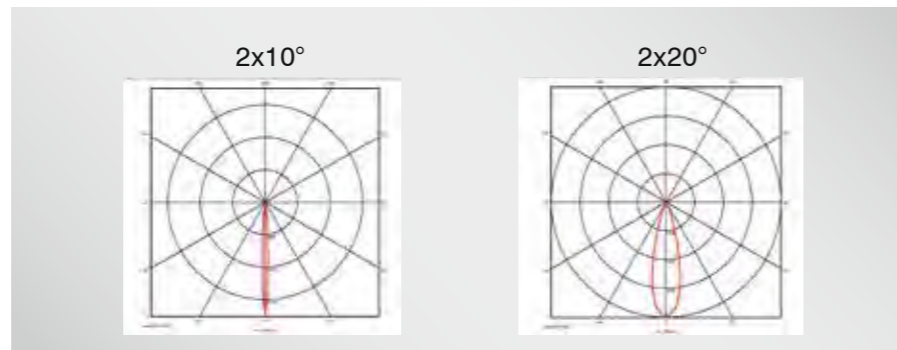
ARTIKELNUMMER / ARTICLE NUMBER:

Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI	Farbe Color Finish	Extras Accessories
2175	028 = 28W	X = Ohne/None	e = 2x10°	27 = 2700K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
	420 = 42W	Y = DALI	B = 2x20°	30 = 3000K	9 = 90	02 = RAL 9006 ●	A = Schutzscheibe/ Cover Glass
	560 = 56W	Z = On/Off		35 = 3500K		03 = RAL 9005 ●	
				40 = 4000K		04 = RAL 7016 ●	
				50 = 5000K		05 = DB703 ●	
				57 = 5700K			

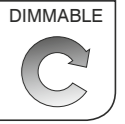
Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible



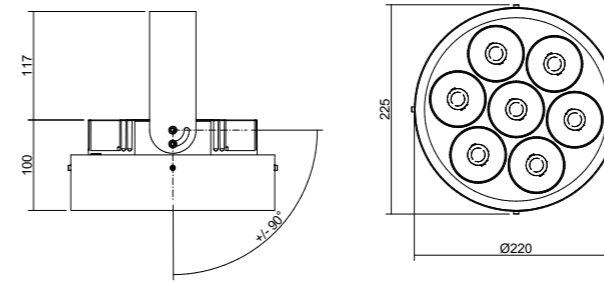
Lichtpunktabstand/Light point distance:	n/a
Treiber/Driver:	Extern/External
Leistung/Wattage:	28W – 56W
Lichtstrom/Luminous Flux:	2618 lm – 5236 lm
Lichtverteilung/Beam angle:	2x10°, 2x20°
Wirkungsgrad/Efficiency:	>85%
Farbtemperatur/Color Temperature:	2200K – 5700K
CRI:	>80, >90
Schutzklasse/Protection Class:	1
IP-Schutz/IP-Protection:	IP54
Oberfläche Gehäuse/Casing Finish:	Pulverbeschichtet/Powder Coated
Sonderausführung/Custom versions:	Auf Anfrage/On request



MONO



OHY 7 OUTDOOR ANBAU / SURFACE MOUNTED



Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux		
	028 = 28W	420 = 42W	560 = 56W
2178	2618 lm	3927 lm	5236 lm

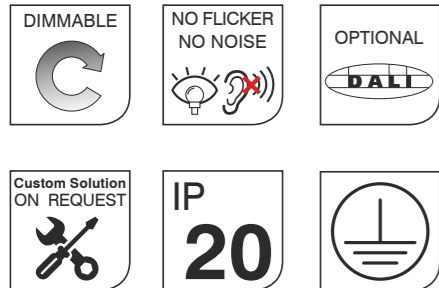
Weitere Sonderausführungen auf Anfrage / Custom solutions on request



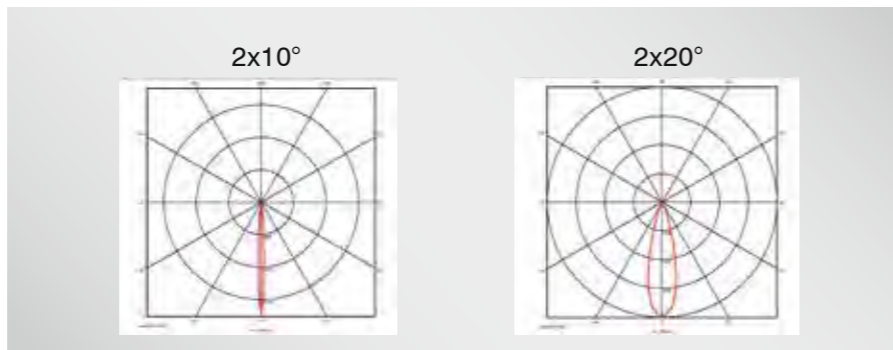
ARTIKELNUMMER / ARTICLE NUMBER:

Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
2178	028 = 28W	X = Ohne/None	e = 2x10°	27 = 2700K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
	420 = 42W	Y = DALI	B = 2x20°	30 = 3000K	9 = 90	02 = RAL 9006 ●	A = Schutzscheibe/ Cover Glass
	560 = 56W	Z = On/Off		35 = 3500K		03 = RAL 9005 ●	
				40 = 4000K		04 = RAL 7016 ●	
				50 = 5000K		05 = DB703 ●	
				57 = 5700K			

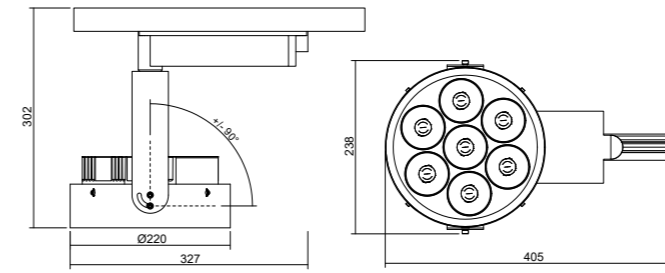
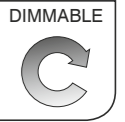
Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible



Lichtpunktabstand/Light point distance:	n/a
Treiber/Driver:	Integriert/Integrated
Leistung/Wattage:	28W – 56W
Lichtstrom/Luminous Flux:	2618 lm – 5236 lm
Lichtverteilung/Beam angle:	2x10°, 2x20°
Wirkungsgrad/Efficiency:	>85%
Farbtemperatur/Color Temperature:	2200K – 5700K
CRI:	>80, >90
Schutzklasse/Protection Class:	1
IP-Schutz/IP-Protection:	IP20
Oberfläche Gehäuse/Casing Finish:	Pulverbeschichtet/Powder Coated
Sonderausführung/Custom versions:	Auf Anfrage/On request



MONO



Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux		
	028 = 28W	420 = 42W	560 = 56W
2193	2618 lm	3927 lm	5236 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

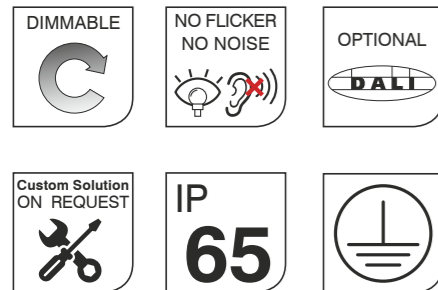


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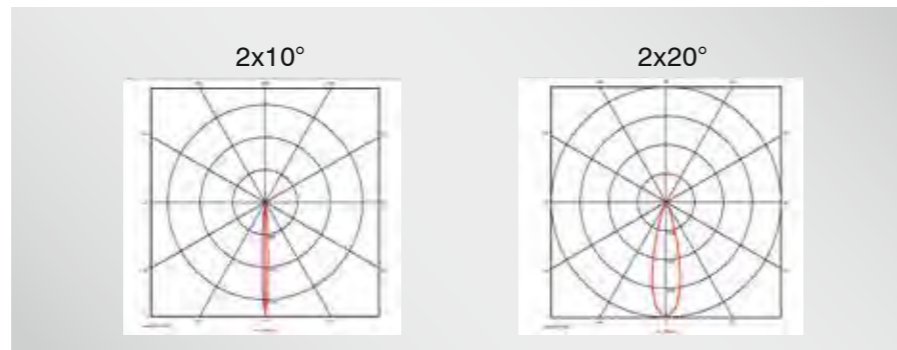
Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI	Farbe Color Finish	Extras Accessories
2193	028 = 28W	X = Ohne/None	e = 2x10°	27 = 2700K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
	420 = 42W	Y = DALI	B = 2x20°	30 = 3000K	9 = 90	02 = RAL 9006 ●	A = Schutzscheibe/ Cover Glass
	560 = 56W	Z = On/Off		35 = 3500K		03 = RAL 9005 ●	
				40 = 4000K		04 = RAL 7016 ●	
				50 = 5000K		05 = DB703 ●	
				57 = 5700K			

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

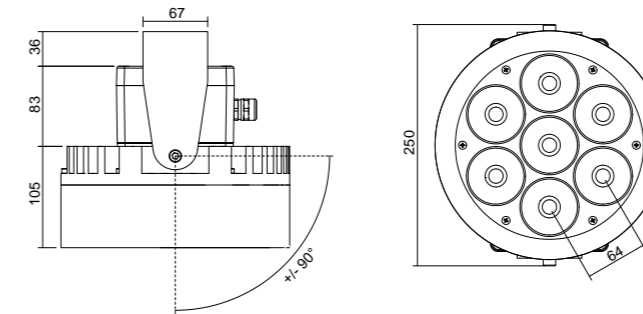
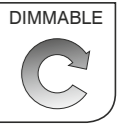




Lichtpunktabstand/Light point distance:	n/a
Treiber/Driver:	Integriert/Integrated
Leistung/Wattage:	28W – 56W
Lichtstrom/Luminous Flux:	2618 lm – 5236 lm
Lichtverteilung/Beam angle:	2x10°, 2x20°
Wirkungsgrad/Efficiency:	>85%
Farbtemperatur/Color Temperature:	2200K – 5700K
CRI:	>80, >90
Schutzklasse/Protection Class:	1
IP-Schutz/IP-Protection:	IP65
Oberfläche Gehäuse/Casing Finish:	Pulverbeschichtet/Powder Coated
Sonderausführung/Custom versions:	Auf Anfrage/On request



MONO



Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux		
	028 = 28W	420 = 42W	560 = 56W
2179	2618 lm	3927 lm	5236 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



ARTIKELNUMMER / ARTICLE NUMBER:

Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI	Farbe Color Finish	Extras Accessories
2179	028 = 28W	X = Ohne/None	e = 2x10°	27 = 2700K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
	420 = 42W	Y = DALI	B = 2x20°	30 = 3000K	9 = 90	02 = RAL 9006 ●	A = Schutzscheibe/ Cover Glass
	560 = 56W	Z = On/Off		35 = 3500K		03 = RAL 9005 ●	
				40 = 4000K		04 = RAL 7016 ●	
				50 = 5000K		05 = DB703 ●	
				57 = 5700K			

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible



# MULTI

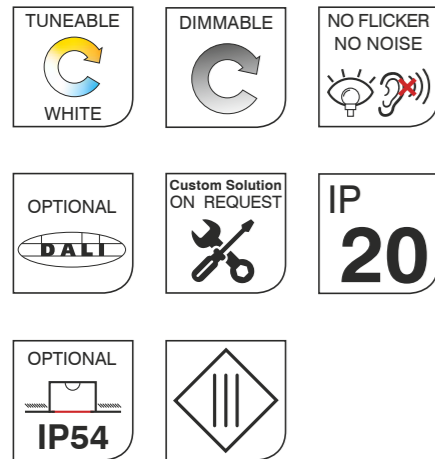


## MULTI

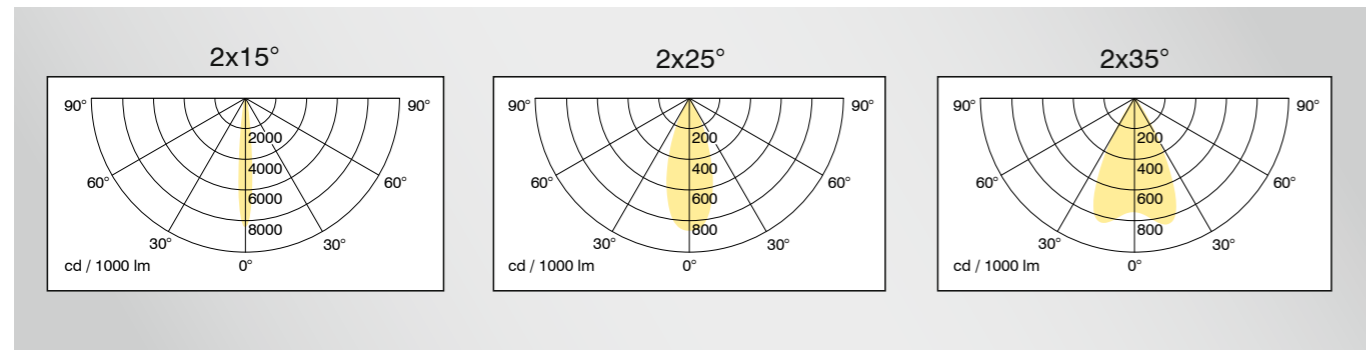
### PRODUKTE / PRODUCTS

	Seite/Page
	<b>Multi Downlight Einbau/Recessed</b> 244
	Mono
	Tuneable white
	<b>Multi Downlight Schwenkbar Einbau/Tilt Recessed</b> 247
	Mono
	Tuneable white
	<b>Multi Wallwasher Einbau/Recessed</b> 250
	Mono
	Tuneable white

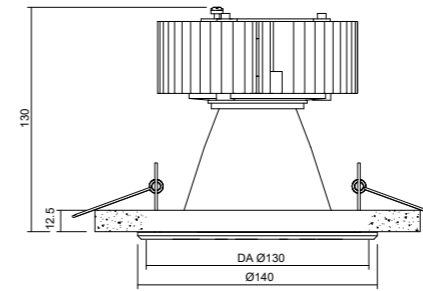
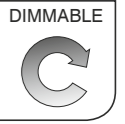
	Seite/Page
	<b>Multi Gelenkstrahler Anbau/Tilt Surface Mounted</b> 253
	Mono
	Tuneable white
	<b>Multi Stromschiene/Track</b> 256
	Mono
	Tuneable white



Lichtpunktabstand/Light point distance:	n/a
Treiber/Driver:	Extern/External
Leistung/Wattage:	16W – 51W
Lichtstrom/Luminous Flux:	2471 lm – 6955 lm
Lichtverteilung/Beam angle:	2x15°, 2x25°, 2x35°
Wirkungsgrad/Efficiency:	>85%
Farbtemperatur/Color Temperature:	2200K – 5700K
CRI:	>80, >90
Schutzklasse/Protection Class:	3
IP-Schutz/IP-Protection:	IP20, IP54 (optional)
Oberfläche Gehäuse/Casing Finish:	Pulverbeschichtet/Powder Coated
Sonderausführung/Custom versions:	Auf Anfrage/On request



MONO



Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux				
	016 = 16W	024 = 24W	034 = 34W	440 = 44W	510 = 51W
2024	2471 lm	3511 lm	4882 lm	6232 lm	6955 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

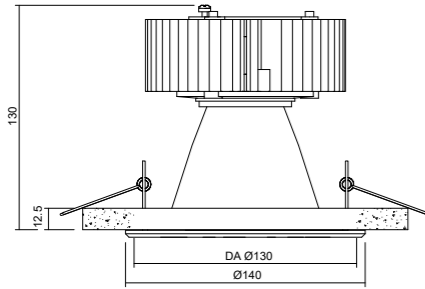
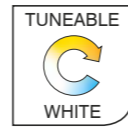


ARTIKELNUMMER / ARTICLE NUMBER:

Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
2024	016 = 16W	X = Ohne/None	P = 2x15°	27 = 2700K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
	024 = 24W	Y = DALI	Q = 2x25°	30 = 3000K	9 = 90	02 = RAL 9006 ●	A = Schutzscheibe/ Cover Glass
	034 = 34W	Z = On/Off	G = 2x35°	35 = 3500K		03 = RAL 9005 ●	
	440 = 44W			40 = 4000K		04 = RAL 7016 ●	
	510 = 51W			50 = 5000K		05 = DB703 ●	
				57 = 5700K			

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

# TUNEABLE WHITE



Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux
480 = 48W	
2028	2424 lm + 2784 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



ARTIKELNUMMER / ARTICLE NUMBER:

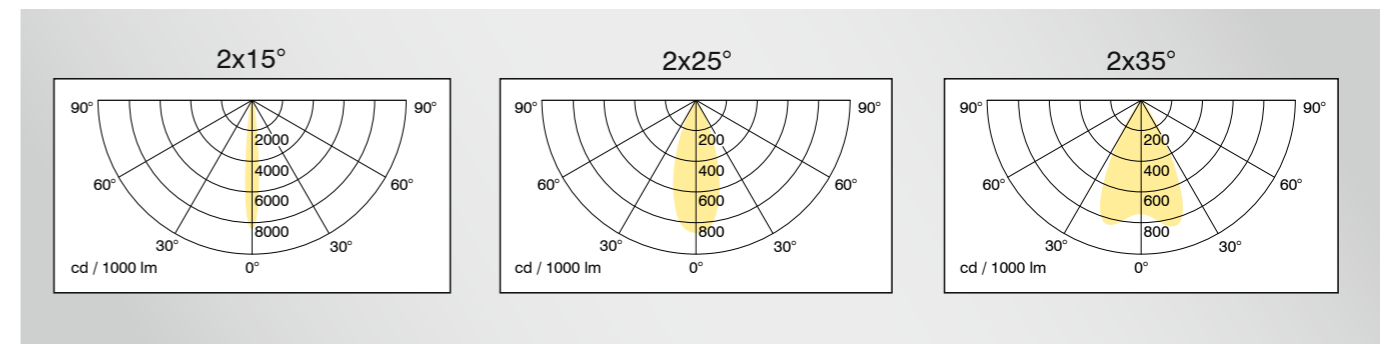
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2028	480 = 48W	X = Ohne/None	P = 2x15°	T1 = 2200K - 4000K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
		W = DALI DT8	Q = 2x25°	T2 = 2200K - 4500K	9 = 90	02 = RAL 9006 ●	A = Schutzscheibe/ Cover Glass
			G = 2x35°	T3 = 2200K - 5000K		03 = RAL 9005 ●	
				T4 = 2200K - 5700K*		04 = RAL 7016 ●	
				T5 = 2700K - 4000K		05 = DB703 ●	
				T6 = 2700K - 4500K			
				T7 = 2700K - 5000K			
				T8 = 2700K - 5700K*			

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

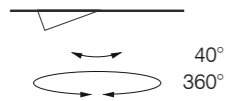
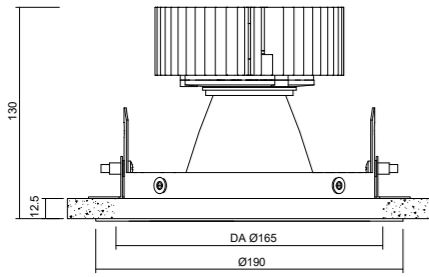
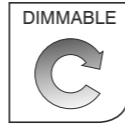
\*5700K nur CRI 80/ 5700K only CRI 80



Lichtpunktstand/Light point distance:	n/a
Treiber/Driver:	Extern/External
Leistung/Wattage:	16W – 51W
Lichtstrom/Luminous Flux:	2471 lm – 6955 lm
Lichtverteilung/Beam angle:	2x15°, 2x25°, 2x35°
Wirkungsgrad/Efficiency:	>85%
Farbtemperatur/Color Temperature:	2200K – 5700K
CRI:	>80, >90
Schutzklasse/Protection Class:	3
IP-Schutz/IP-Protection:	IP20, IP54 (optional)
Oberfläche Gehäuse/Casing Finish:	Pulverbeschichtet/Powder Coated
Sonderausführung/Custom versions:	Auf Anfrage/On request



# MONO



Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux				
	016 = 16W	024 = 24W	034 = 34W	440 = 44W	510 = 51W
2029	2471 lm	3511 lm	4882 lm	6232 lm	6955 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

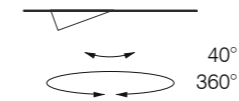
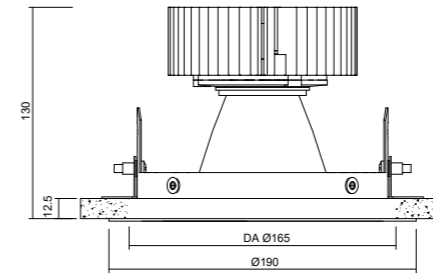
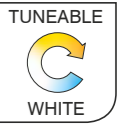


ARTIKELNUMMER / ARTICLE NUMBER:

Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
2029	016 = 16W	X = Ohne/None	P = 2x15°	27 = 2700K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
	024 = 24W	Y = DALI	Q = 2x25°	30 = 3000K	9 = 90	02 = RAL 9006 ●	A = Schutzscheibe/ Cover Glass
	034 = 34W	Z = On/Off	G = 2x35°	35 = 3500K		03 = RAL 9005 ●	
	440 = 44W			40 = 4000K		04 = RAL 7016 ●	
	510 = 51W			50 = 5000K		05 = DB703 ●	
				57 = 5700K			

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

# TUNEABLE WHITE



Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux
	480 = 48W
2033	2424 lm + 2784 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

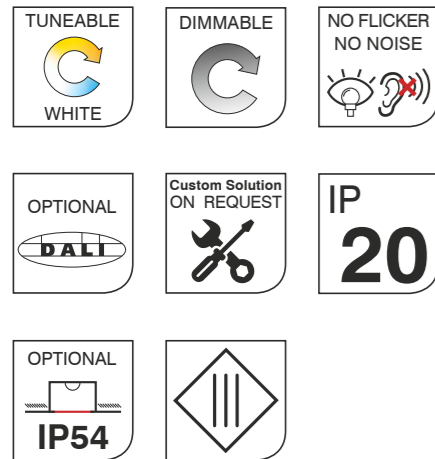


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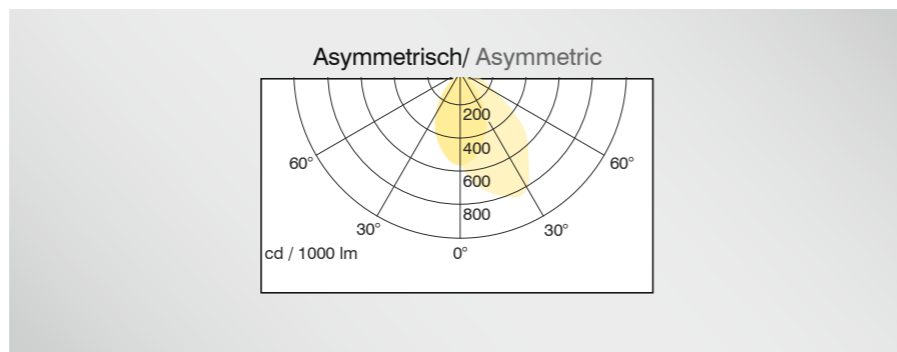
Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
2033	480 = 48W	X = Ohne/None	P = 2x15°	T1 = 2200K - 4000K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
		W = DALI DT8	Q = 2x25°	T2 = 2200K - 4500K	9 = 90	02 = RAL 9006 ●	A = Schutzscheibe/ Cover Glass
			G = 2x35°	T3 = 2200K - 5000K		03 = RAL 9005 ●	
				T4 = 2200K - 5700K*		04 = RAL 7016 ●	
				T5 = 2700K - 4000K		05 = DB703 ●	
				T6 = 2700K - 4500K			
				T7 = 2700K - 5000K			
				T8 = 2700K - 5700K*			

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

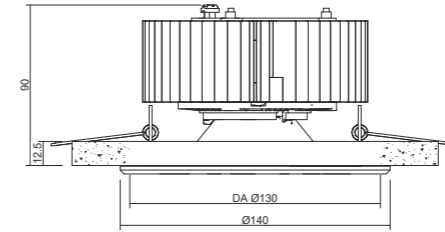
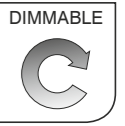
\* 5700K nur CRI 80/ 5700K only CRI 80



Lichtpunktabstand/Light point distance:	n/a
Treiber/Driver:	Extern/External
Leistung/Wattage:	16W – 51W
Lichtstrom/Luminous Flux:	2471 lm – 6955 lm
Lichtverteilung/Beam angle:	Asymmetrisch/ Asymmetric
Wirkungsgrad/Efficiency:	>85%
Farbtemperatur/Color Temperature:	2200K – 5700K
CRI:	>80, >90
Schutzklasse/Protection Class:	3
IP-Schutz/IP-Protection:	IP20, IP54 (optional)
Oberfläche Gehäuse/Casing Finish:	Pulverbeschichtet/Powder Coated
Sonderausführung/Custom versions:	Auf Anfrage/On request



MONO



Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux				
	016 = 16W	024 = 24W	034 = 34W	440 = 44W	510 = 51W
2034	2471 lm	3511 lm	4882 lm	6232 lm	6955 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

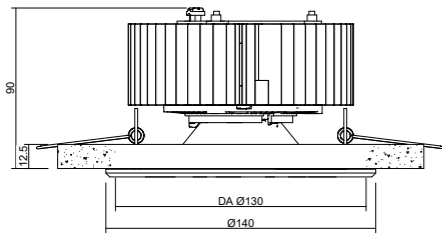
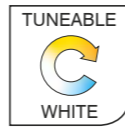


ARTIKELNUMMER / ARTICLE NUMBER:

Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
2034	016 = 16W	X = Ohne/None	A = Asymmetrisch/ Asymmetric	27 = 2700K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
	024 = 24W	Y = DALI		30 = 3000K	9 = 90	02 = RAL 9006 ●	A = Schutzscheibe/ Cover Glass
	034 = 34W	Z = On/Off		35 = 3500K		03 = RAL 9005 ●	
	440 = 44W			40 = 4000K		04 = RAL 7016 ●	
	510 = 51W			50 = 5000K		05 = DB703 ●	
				57 = 5700K			

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

# TUNEABLE WHITE



Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux
480 = 48W	
2038	2424 lm + 2784 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



ARTIKELNUMMER / ARTICLE NUMBER:

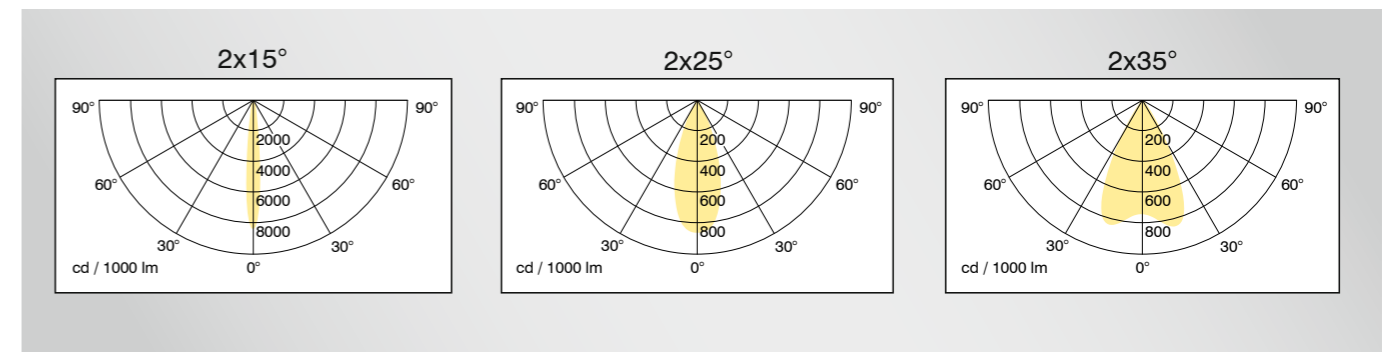
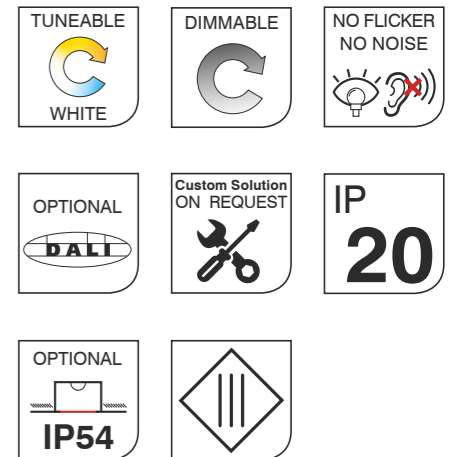
Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI	Farbe Color Finish	Extras Accessories
2038	480 = 48W	X = Ohne/None W = DALI DT8	A = Asymmetrisch/ Asymmetric	T1 = 2200K - 4000K T2 = 2200K - 4500K T3 = 2200K - 5000K T4 = 2200K - 5700K* T5 = 2700K - 4000K T6 = 2700K - 4500K T7 = 2700K - 5000K T8 = 2700K - 5700K*	8 = 80 9 = 90	01 = RAL 9016 ○ 02 = RAL 9006 ● 03 = RAL 9005 ● 04 = RAL 7016 ● 05 = DB703 ●	X = Ohne/None A = Schutzscheibe/ Cover Glass

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

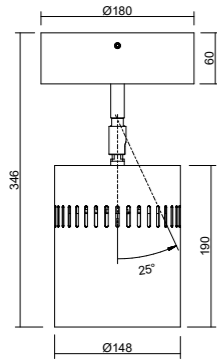
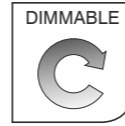
\*5700K nur CRI 80/ 5700K only CRI 80



Lichtpunktabstand/Light point distance:	n/a
Treiber/Driver:	Extern/External
Leistung/Wattage:	16W – 51W
Lichtstrom/Luminous Flux:	2471 lm – 6955 lm
Lichtverteilung/Beam angle:	2x15°, 2x25°, 2x35°
Wirkungsgrad/Efficiency:	>85%
Farbtemperatur/Color Temperature:	2200K – 5700K
CRI:	>80, >90
Schutzklasse/Protection Class:	3
IP-Schutz/IP-Protection:	IP20, IP54 (optional)
Oberfläche Gehäuse/Casing Finish:	Pulverbeschichtet/Powder Coated
Sonderausführung/Custom versions:	Auf Anfrage/On request



# MONO



Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux				
	016 = 16W	024 = 24W	034 = 34W	440 = 44W	510 = 51W
2039	2471 lm	3511 lm	4882 lm	6232 lm	6955 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



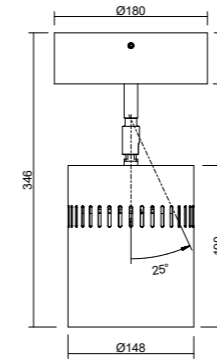
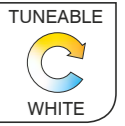
ARTIKELNUMMER / ARTICLE NUMBER:

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Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
2039	016 = 16W	X = Ohne/None	P = 2x15°	27 = 2700K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
	024 = 24W	Y = DALI	Q = 2x25°	30 = 3000K	9 = 90	02 = RAL 9006 ●	A = Schutzscheibe/ Cover Glass
	034 = 34W	Z = On/Off	G = 2x35°	35 = 3500K		03 = RAL 9005 ●	
	440 = 44W			40 = 4000K		04 = RAL 7016 ●	
	510 = 51W			50 = 5000K		05 = DB703 ●	
				57 = 5700K			

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

# TUNEABLE WHITE



Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux
	480 = 48W
2043	2424 lm + 2784 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



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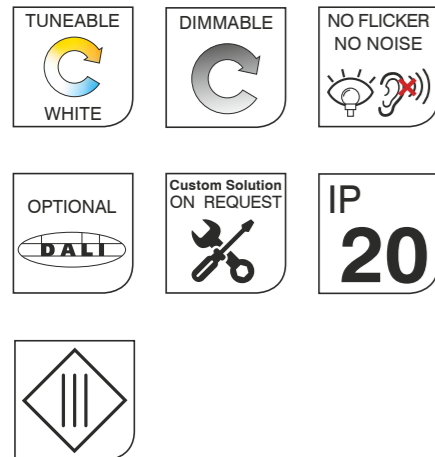
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Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
2043	480 = 48W	X = Ohne/None	P = 2x15°	T1 = 2200K - 4000K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
		W = DALI DT8	Q = 2x25°	T2 = 2200K - 4500K	9 = 90	02 = RAL 9006 ●	A = Schutzscheibe/ Cover Glass
			G = 2x35°	T3 = 2200K - 5000K		03 = RAL 9005 ●	
				T4 = 2200K - 5700K*		04 = RAL 7016 ●	
				T5 = 2700K - 4000K		05 = DB703 ●	
				T6 = 2700K - 4500K			
				T7 = 2700K - 5000K			
				T8 = 2700K - 5700K*			

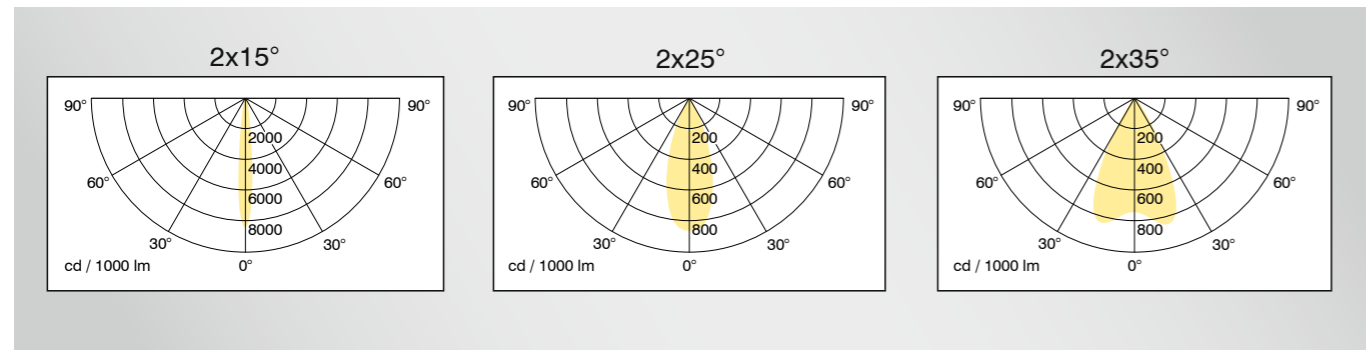
Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

\* 5700K nur CRI 80/ 5700K only CRI 80

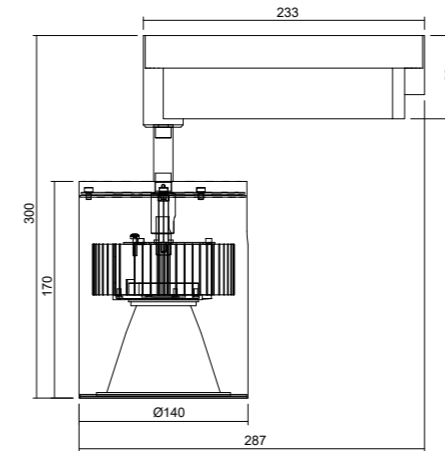
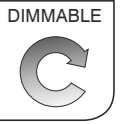




Lichtpunktabstand/Light point distance:	n/a
Treiber/Driver:	Extern/External
Leistung/Wattage:	16W – 51W
Lichtstrom/Luminous Flux:	2471 lm – 6955 lm
Lichtverteilung/Beam angle:	2x15°, 2x25°, 2x35°
Wirkungsgrad/Efficiency:	>85%
Farbtemperatur/Color Temperature:	2200K – 5700K
CRI:	>80, >90
Schutzklasse/Protection Class:	3
IP-Schutz/IP-Protection:	IP20
Oberfläche Gehäuse/Casing Finish:	Pulverbeschichtet/Powder Coated
Sonderausführung/Custom versions:	Auf Anfrage/On request



MONO



Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux				
	016 = 16W	024 = 24W	034 = 34W	440 = 44W	510 = 51W
2044	2471 lm	3511 lm	4882 lm	6232 lm	6955 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

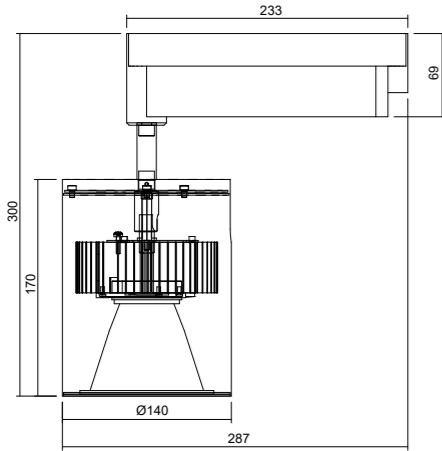
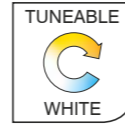


ARTIKELNUMMER / ARTICLE NUMBER:

Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
2044	016 = 16W	X = Ohne/None	P = 2x15°	27 = 2700K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
	024 = 24W	Y = DALI	Q = 2x25°	30 = 3000K	9 = 90	02 = RAL 9006 ●	A = Schutzscheibe/ Cover Glass
	034 = 34W	Z = On/Off	G = 2x35°	35 = 3500K		03 = RAL 9005 ●	
	440 = 44W			40 = 4000K		04 = RAL 7016 ●	
	510 = 51W			50 = 5000K		05 = DB703 ●	
				57 = 5700K			

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

# TUNEABLE WHITE



Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux
480	= 48W
2048	2424 lm + 2784 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



ARTIKELNUMMER / ARTICLE NUMBER:

Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI	Farbe Color Finish	Extras Accessories
2048	480 = 48W	X = Ohne/None	P = 2x15°	T1 = 2200K - 4000K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
		W = DALI DT8	Q = 2x25°	T2 = 2200K - 4500K	9 = 90	02 = RAL 9006 ●	A = Schutzscheibe/ Cover Glass
			G = 2x35°	T3 = 2200K - 5000K		03 = RAL 9005 ●	
				T4 = 2200K - 5700K*		04 = RAL 7016 ●	
				T5 = 2700K - 4000K		05 = DB703 ●	
				T6 = 2700K - 4500K			
				T7 = 2700K - 5000K			
				T8 = 2700K - 5700K*			

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

\*5700K nur CRI 80/ 5700K only CRI 80



©Fotos: Peter Bartenbach



# ZONA

## ZONA





Zona ist die perfekte Lösung um Hochregallager, Industrie- und Produktionsbetriebe, Sporteinrichtungen und Lagerhallen zu beleuchten.



Dank des hohen Wirkungsgrades des Reflektors und der enormen Lichtleistung von bis zu 10.000lm pro Lichtpunkt, können mit unserer „Zona“ beachtliche Energieeinsparungen im Vergleich zu konventionellen „High-Bay-Leuchten“ erzielt werden.

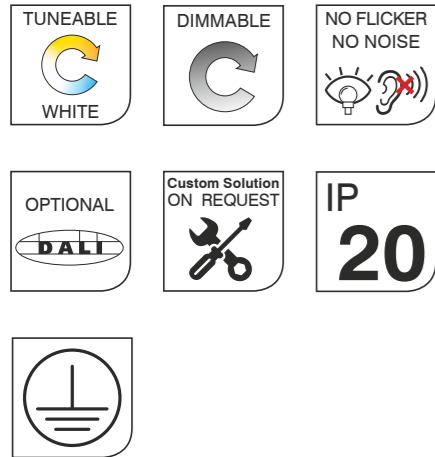
Zona is the perfect solution to illuminate high bay warehouses, industrial- and manufacturing companies, sports facilities, and storage facilities.

Thanks to the reflectors high efficiency and the enormous luminous flux of up to 10.000lm per light point, our Zona can achieve remarkable energy cost savings compared to conventional "High-bay-luminaires".

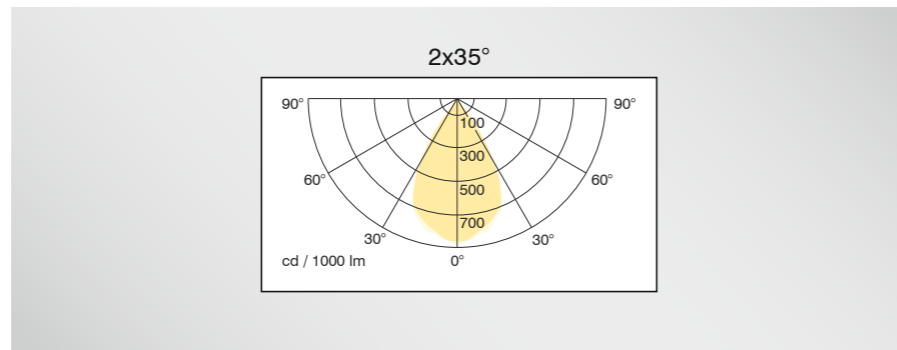
### PRODUKTE / PRODUCTS

		Seite/Page
	<b>Zona 1</b>	262
	Mono	
	<b>Zona 2</b>	264
	Mono	

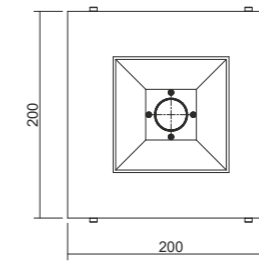
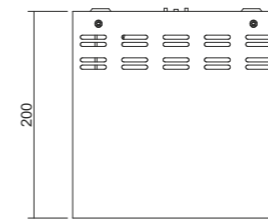
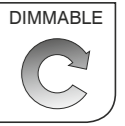
		Seite/Page
	<b>Zona 3</b>	266
	Mono	
	<b>Zona 4</b>	268
	Mono	



Lichtpunktabstand/Light point distance:	n/a
Treiber/Driver:	Integriert/Integrated
Leistung/Wattage:	38W – 80W
Lichtstrom/Luminous Flux:	4945 lm – 9925 lm
Lichtverteilung/Beam angle:	2x35°
Wirkungsgrad/Efficiency:	>85%
Farbtemperatur/Color Temperature:	2200K – 5700K
CRI:	>80, >90
Schutzklasse/Protection Class:	1
IP-Schutz/IP-Protection:	IP20
Oberfläche Gehäuse/Casing Finish:	Pulverbeschichtet/Powder Coated
Sonderausführung/Custom versions:	Auf Anfrage/On request



MONO



Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux			
	038 = 38W	050 = 50W	065 = 65W	080 = 80W
2110	4945 lm	6512 lm	8030 lm	9925 lm

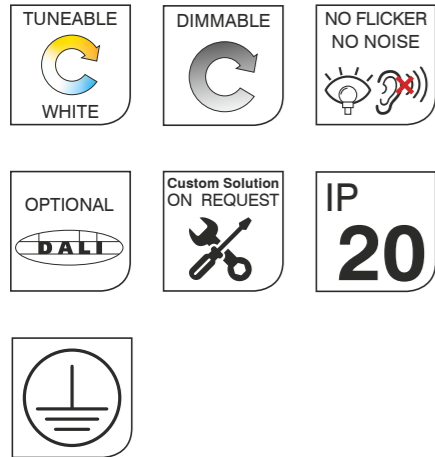
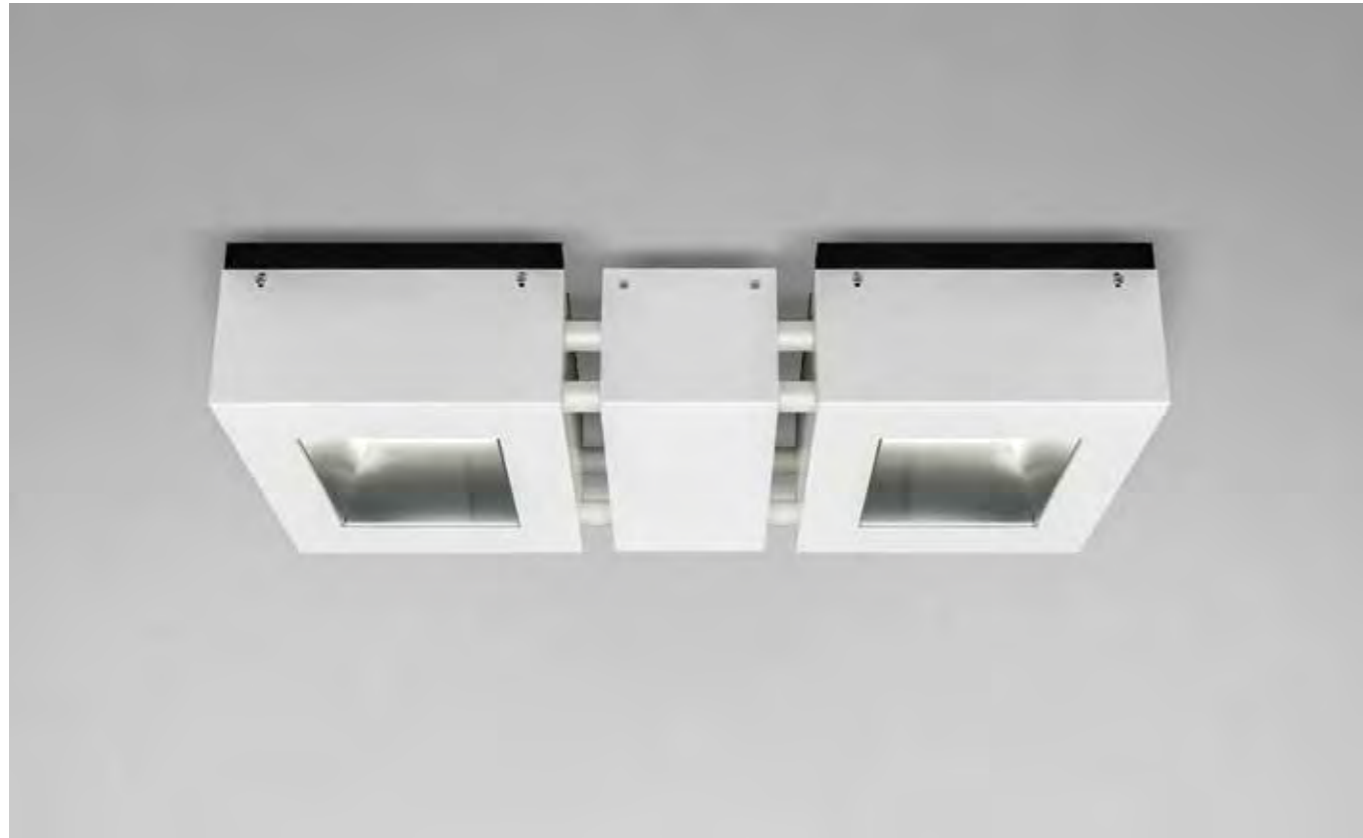
Weitere Sonderausführungen auf Anfrage / Custom solutions on request



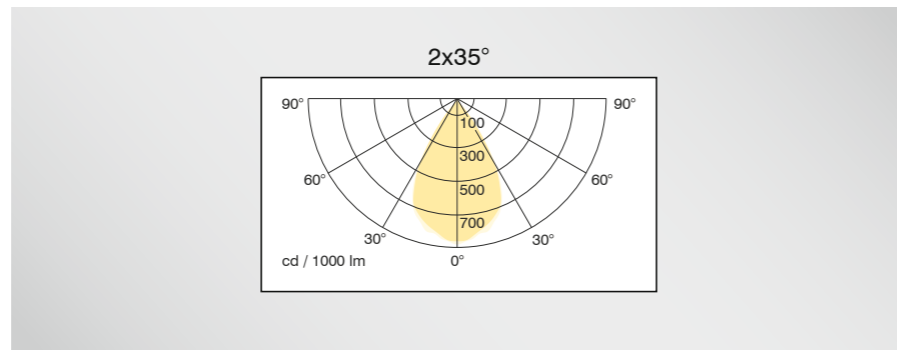
ARTIKELNUMMER / ARTICLE NUMBER:

Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
2110	038 = 38W	Z = On/Off	G = 2x35°	27 = 2700K	8 = 80	01 = RAL 9016 ○	S = Stahlseilabhängung/ Steel cable suspension
	050 = 50W			30 = 3000K	9 = 90	02 = RAL 9006 ●	K = Kettenabhängung/ Chain suspension
	065 = 65W			35 = 3500K		03 = RAL 9005 ●	
	080 = 80W			40 = 4000K		04 = RAL 7016 ●	
				50 = 5000K		05 = DB703 ●	
				57 = 5700K			

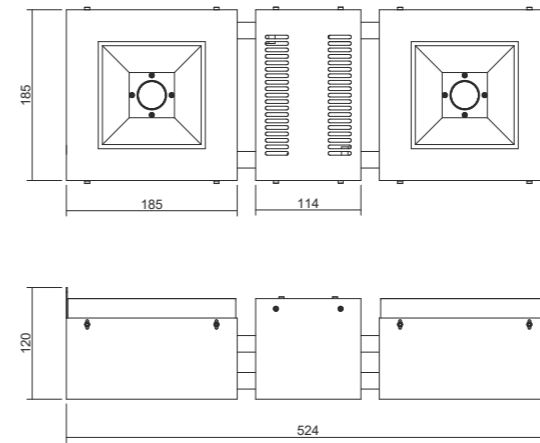
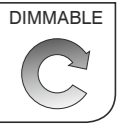
Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible



Lichtpunktabstand/Light point distance:	n/a
Treiber/Driver:	Integriert / Integrated
Leistung/Wattage:	76W - 160W
Lichtstrom/Luminous Flux:	9891 lm - 19851 lm
Lichtverteilung/Beam angle:	2x35°
Wirkungsgrad/Efficiency:	>85%
Farbtemperatur/Color Temperature:	2200K - 5700K
CRI:	>80, >90
Schutzklasse/Protection Class:	1
IP-Schutz/IP-Protection:	IP20
Oberfläche Gehäuse/Casing Finish:	Pulverbeschichtet/Powder Coated
Sonderausführung/Custom versions:	Auf Anfrage/On request



MONO



Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux			
	238 = 2x38W	250 = 2x50W	265 = 2x65W	280 = 2x80W
2113	9891 lm	13025 lm	16062 lm	19851 lm

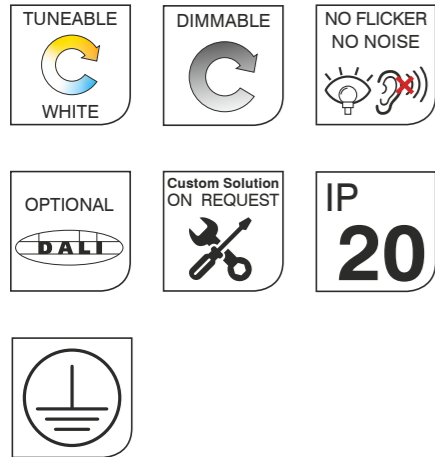
Weitere Sonderausführungen auf Anfrage / Custom solutions on request



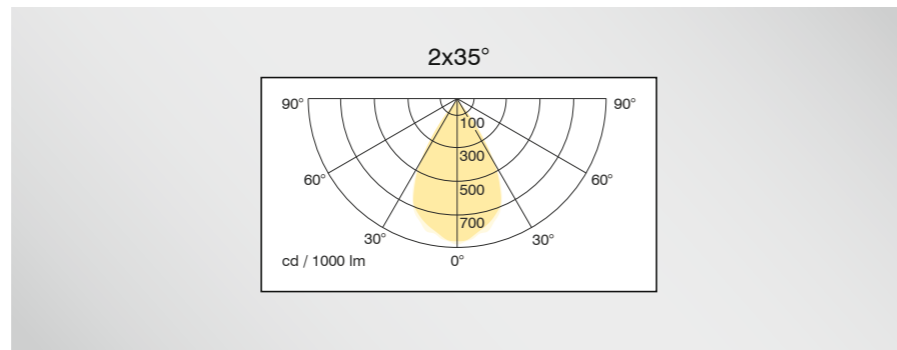
ARTIKELNUMMER / ARTICLE NUMBER:

Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
2113	238 = 2x38W	Z = On/Off	G = 2x35°	27 = 2700K	8 = 80	01 = RAL 9016 ○	S = Stahlseilabhängung/ Steel cable suspension
	250 = 2x50W			30 = 3000K	9 = 90	02 = RAL 9006 ●	K = Kettenabhängung/ Chain suspension
	265 = 2x65W			35 = 3500K		03 = RAL 9005 ●	
	280 = 2x80W			40 = 4000K		04 = RAL 7016 ●	
				50 = 5000K		05 = DB703 ●	
				57 = 5700K			

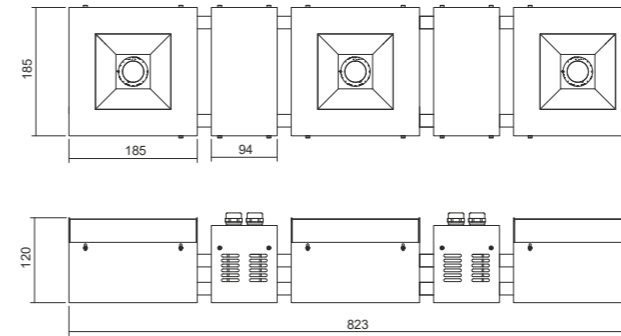
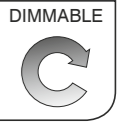
Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible



Lichtpunktabstand/Light point distance:	n/a
Treiber/Driver:	Integriert / Integrated
Leistung/Wattage:	114W – 240W
Lichtstrom/Luminous Flux:	14836 lm – 29776 lm
Lichtverteilung/Beam angle:	2x35°
Wirkungsgrad/Efficiency:	>85%
Farbtemperatur/Color Temperature:	2200K – 5700K
CRI:	>80, >90
Schutzklasse/Protection Class:	1
IP-Schutz/IP-Protection:	IP20
Oberfläche Gehäuse/Casing Finish:	Pulverbeschichtet/Powder Coated
Sonderausführung/Custom versions:	Auf Anfrage/On request



MONO



Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux			
	338 = 3x38W	350 = 3x50W	365 = 3x65W	380 = 3x80W
2116	14836 lm	19538 lm	24092 lm	29776 lm

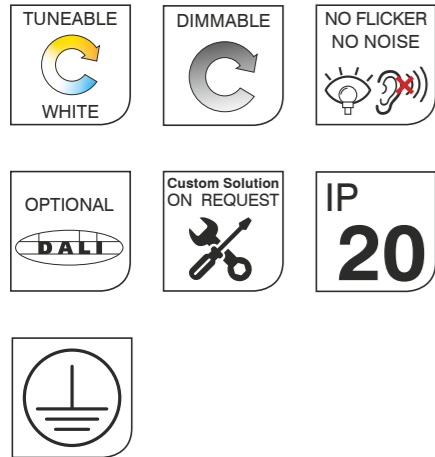
Weitere Sonderausführungen auf Anfrage / Custom solutions on request



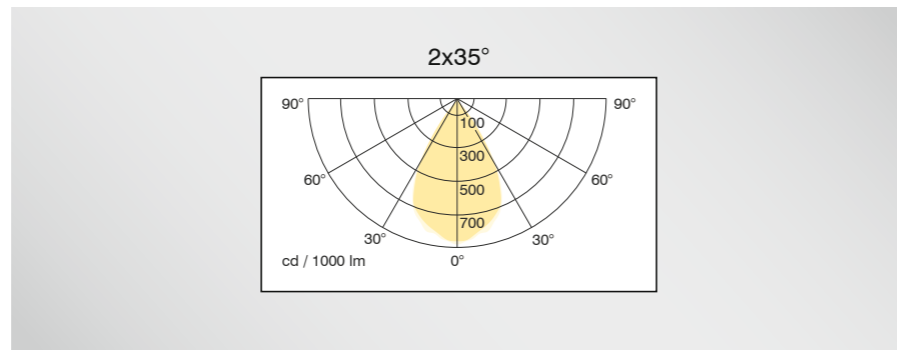
ARTIKELNUMMER / ARTICLE NUMBER:

Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
2116	338 = 3x38W	Z = On/Off	G = 2x35°	27 = 2700K	8 = 80	01 = RAL 9016 ○	S = Stahlseilabhängung/ Steel cable suspension
	350 = 3x50W			30 = 3000K	9 = 90	02 = RAL 9006 ●	K = Kettenabhängung/ Chain suspension
	365 = 3x65W			35 = 3500K		03 = RAL 9005 ●	
	380 = 3x80W			40 = 4000K		04 = RAL 7016 ●	
				50 = 5000K		05 = DB703 ●	
				57 = 5700K			

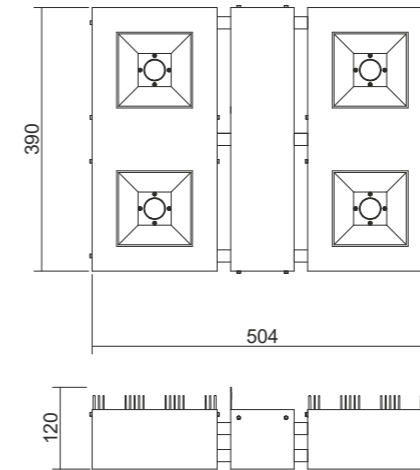
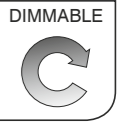
Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible



Lichtpunktabstand/Light point distance:	n/a
Treiber/Driver:	Integriert / Integrated
Leistung/Wattage:	152W – 320W
Lichtstrom/Luminous Flux:	19781 lm – 39702 lm
Lichtverteilung/Beam angle:	2x35°
Wirkungsgrad/Efficiency:	>85%
Farbtemperatur/Color Temperature:	2200K – 5700K
CRI:	>80, >90
Schutzklasse/Protection Class:	1
IP-Schutz/IP-Protection:	IP20
Oberfläche Gehäuse/Casing Finish:	Pulverbeschichtet/Powder Coated
Sonderausführung/Custom versions:	Auf Anfrage/On request



MONO



Produkt ID	Verbrauch + Lichtstrom / Wattage + Luminous Flux			
	438 = 4x38W	451 = 4x50W	465 = 4x65W	481 = 4x80W
2119	19781 lm	26051 lm	32123 lm	39702 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



ARTIKELNUMMER / ARTICLE NUMBER:

Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
2119	438 = 4x38W	Z = On/Off	G = 2x35°	27 = 2700K	8 = 80	01 = RAL 9016 ○	S = Stahlseilabhängung/ Steel cable suspension
	451 = 4x50W			30 = 3000K	9 = 90	02 = RAL 9006 ●	K = Kettenabhängung/ Chain suspension
	465 = 4x65W			35 = 3500K		03 = RAL 9005 ●	
	481 = 4x80W			40 = 4000K		04 = RAL 7016 ●	
				50 = 5000K		05 = DB703 ●	
				57 = 5700K			

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

# PRAEZISA



Die Præzisa ist eine Außenleuchte mit High-Power-LEDs, optimiert für eine homogene und blendfreie Ausleuchtung von Gehwegen, Fußgängerzonen, Fassaden, Straßen und Plätzen.

Durch die individuelle Anordnung und Ausrichtung der LED-Module in Kombination mit verschiedenen Linsentypen, erreichen wir mit der Præzisa einen hohen Wirkungsgrad und eine sehr gleichmäßige Abstrahlcharakteristik.




Præzisa is an outdoor luminaire equipped with High-Power-LEDs, optimized for a homogenous illumination of Pathways, pedestrian areas, facades, streets and public spaces.

Thanks to the individual placement and orientation of each LED-module in combination with different types of lenses, our Præzisa reaches a high efficiency and a very even and homogenous light distribution.

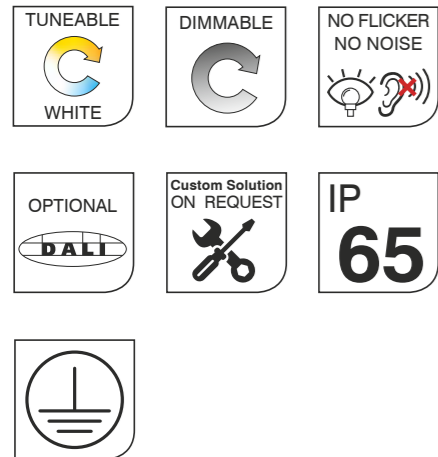
## PRAEZISA

### PRODUKTE / PRODUCTS

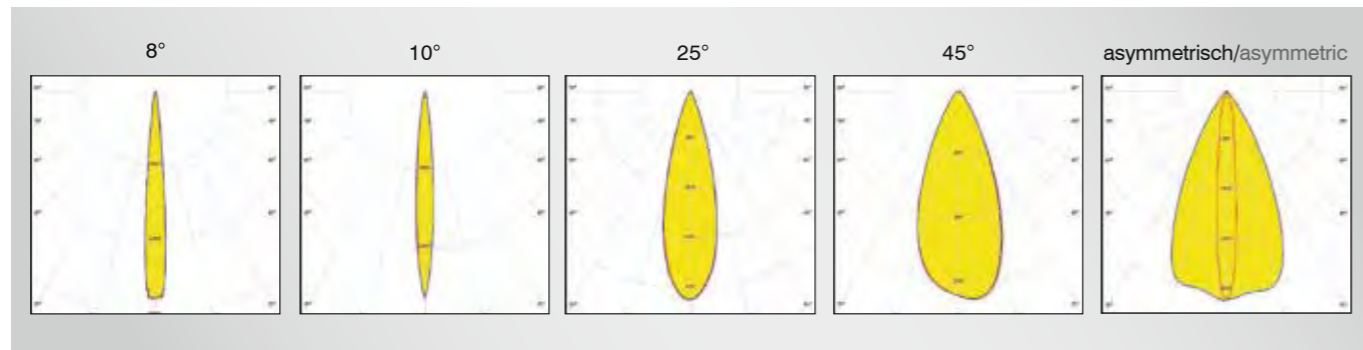
	Seite/Page
	<b>Præzisa 1x3 linear</b> 272
	Mono
	<b>Præzisa 1x6 linear</b> 274
	Mono
	<b>Præzisa 1x6 asymmetrisch/asymmetric</b> 276
	Mono
	<b>Præzisa 2x3 linear</b> 278
	Mono

	Seite/Page
	<b>Præzisa 3x4</b> 280
	Mono
	<b>Præzisa 2x7</b> 282
	Mono
	<b>Præzisa 3x6</b> 284
	Mono

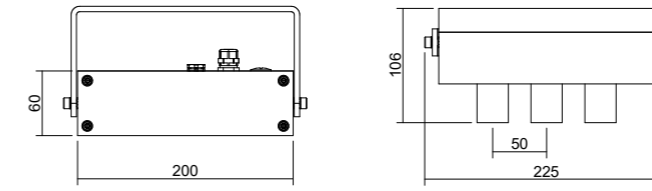
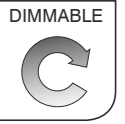




Lichtpunktabstand/Light point distance:	n/a
Treiber/Driver:	Integriert/Integrated
Leistung/Wattage:	3W – 6W
Lichtstrom/Luminous Flux:	351 lm – 639 lm
Lichtverteilung/Beam angle:	8°, 10°, 25°, 45°, Asymmetrisch/Asymmetric
Wirkungsgrad/Efficiency:	>85%
Farbtemperatur/Color Temperature:	2200K – 5700K
CRI:	>80, >90
Schutzklasse/Protection Class:	1
IP-Schutz/IP-Protection:	IP65
Oberfläche Gehäuse/Casing Finish:	Pulverbeschichtet/Powder Coated
Sonderausführung/Custom versions:	Auf Anfrage/On request



MONO



Produkt ID:	Verbrauch + Lichtstrom/Wattage + Luminous Flux		
	301 = 3x1W	305 = 3x1,5W	302 = 3x2W
2122	315 lm	480 lm	639 lm

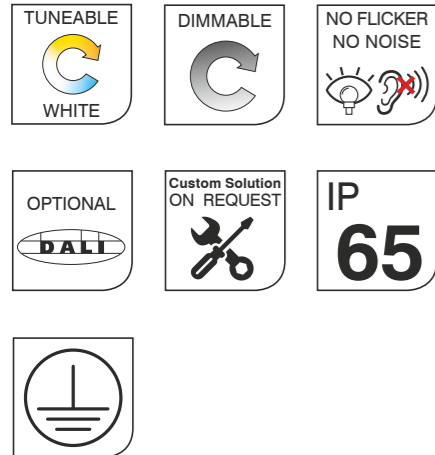
Weitere Sonderausführungen auf Anfrage / Custom solutions on request



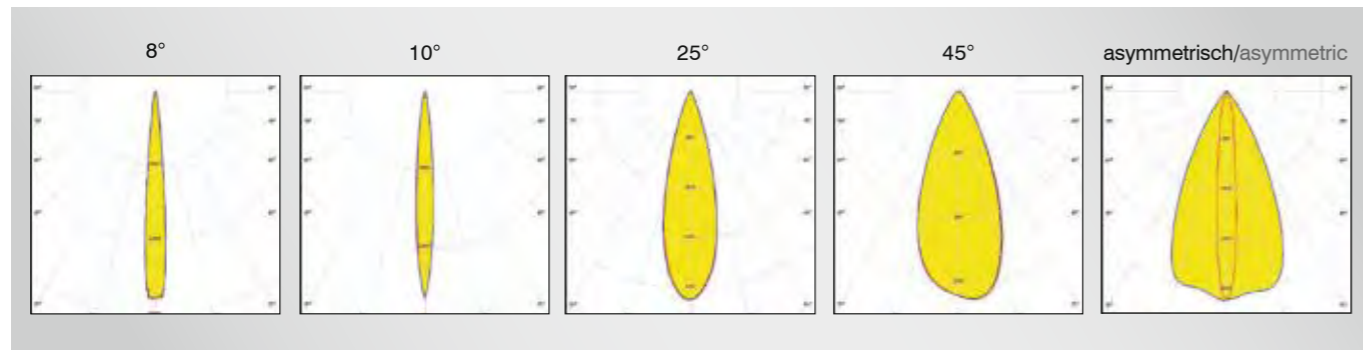
ARTIKELNUMMER / ARTICLE NUMBER:

Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
2122	301 = 3x1W	X = Ohne/None	A = Asymmetrisch / Asymmetric	27 = 2700K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
	305 = 3x1,5W	Y = DALI	f = 8°	30 = 3000K	9 = 90	02 = RAL 9006 ●	
	302 = 3x2W	Z = On/Off	g = 10°	35 = 3500K		03 = RAL 9005 ●	
			T = 25°	40 = 4000K		04 = RAL 7016 ●	
			W = 45°	50 = 5000K*		05 = DB703 ●	
			57 = 5700K*				

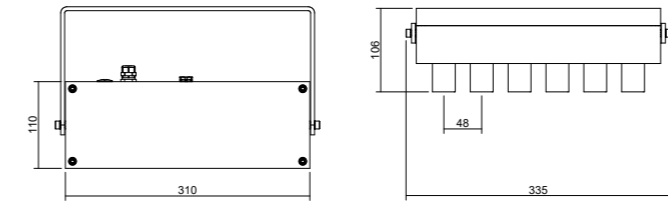
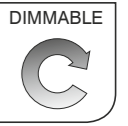
Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible  
\*5000K und 5700K nur CRI 80/ 5000K and 5700K only CRI 80



Lichtpunktabstand/Light point distance:	n/a
Treiber/Driver:	Integriert/Integrated
Leistung/Wattage:	6W – 12W
Lichtstrom/Luminous Flux:	702 lm – 1278 lm
Lichtverteilung/Beam angle:	8°, 10°, 25°, 45°, Asymmetrisch/Asymmetric
Wirkungsgrad/Efficiency:	>85%
Farbtemperatur/Color Temperature:	2200K – 5700K
CRI:	>80, >90
Schutzklasse/Protection Class:	1
IP-Schutz/IP-Protection:	IP65
Oberfläche Gehäuse/Casing Finish:	Pulverbeschichtet/Powder Coated
Sonderausführung/Custom versions:	Auf Anfrage/On request



MONO



Produkt ID:	Verbrauch + Lichtstrom/Wattage + Luminous Flux		
	061 = 6x1W	063 = 6x1,5W	062 = 6x2W
2125	702 lm	960 lm	1278 lm

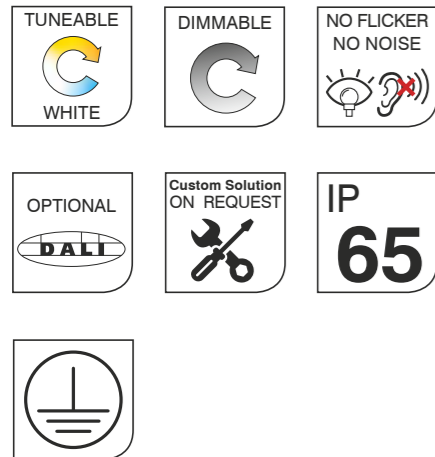
Weitere Sonderausführungen auf Anfrage / Custom solutions on request



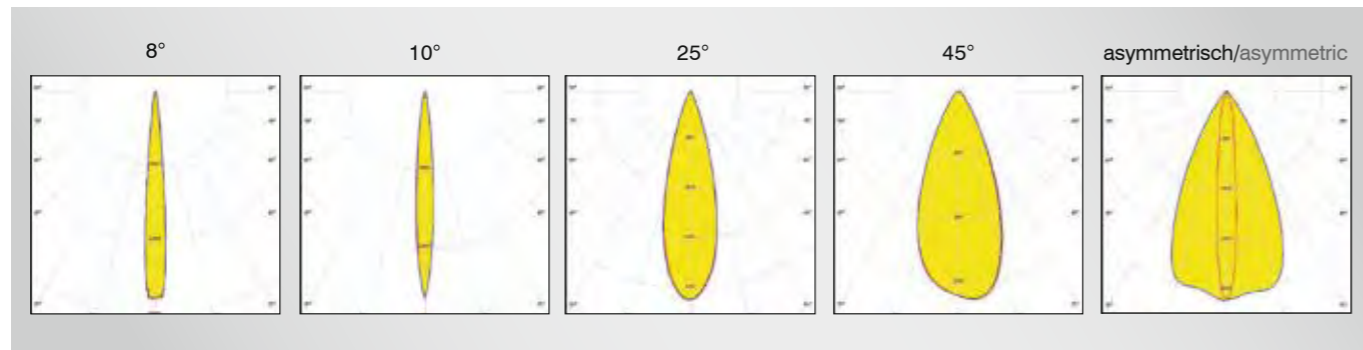
ARTIKELNUMMER / ARTICLE NUMBER:

Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
2125	061 = 6x1W	X = Ohne/None	A = Asymmetrisch / Asymmetric	27 = 2700K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
	063 = 6x1,5W	Y = DALI	f = 8°	30 = 3000K	9 = 90	02 = RAL 9006 ●	
	062 = 6x2W	Z = On/Off	g = 10°	35 = 3500K		03 = RAL 9005 ●	
			T = 25°	40 = 4000K		04 = RAL 7016 ●	
			W = 45°	50 = 5000K*		05 = DB703 ●	
				57 = 5700K*			

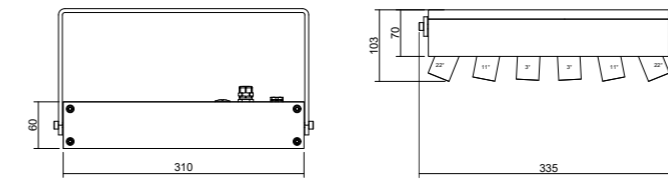
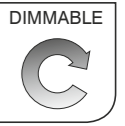
Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible  
\*5000K und 5700K nur CRI 80/ 5000K and 5700K only CRI 80



Lichtpunktabstand/Light point distance:	n/a
Treiber/Driver:	Integriert/Integrated
Leistung/Wattage:	6W – 12W
Lichtstrom/Luminous Flux:	702 lm – 1278 lm
Lichtverteilung/Beam angle:	8°, 10°, 25°, 45°, Asymmetrisch/Asymmetric
Wirkungsgrad/Efficiency:	>85%
Farbtemperatur/Color Temperature:	2200K – 5700K
CRI:	>80, >90
Schutzklasse/Protection Class:	1
IP-Schutz/IP-Protection:	IP65
Oberfläche Gehäuse/Casing Finish:	Pulverbeschichtet/Powder Coated
Sonderausführung/Custom versions:	Auf Anfrage/On request



MONO



Produkt ID:	Verbrauch + Lichtstrom/Wattage + Luminous Flux		
	061 = 6x1W	063 = 6x1,5W	062 = 6x2W
2131	702 lm	960 lm	1278 lm

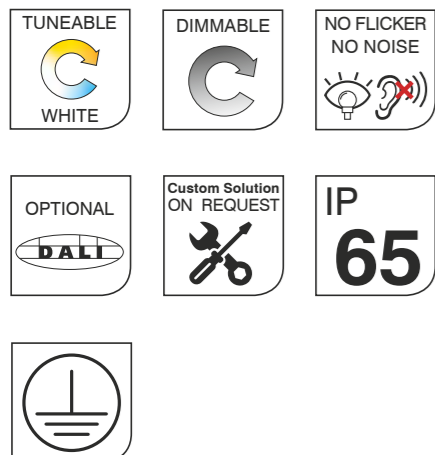
Weitere Sonderausführungen auf Anfrage / Custom solutions on request



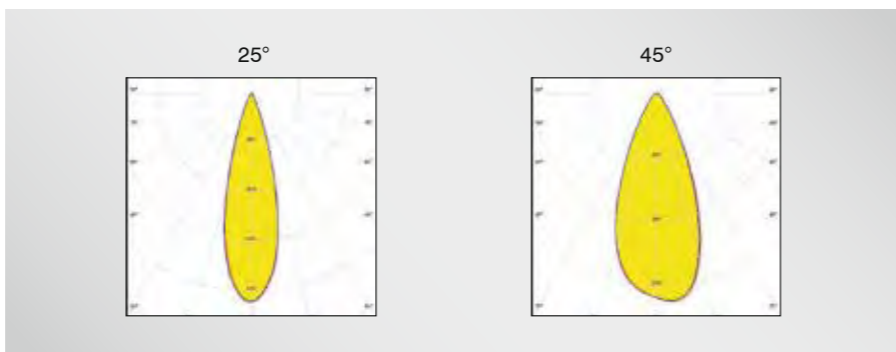
ARTIKELNUMMER / ARTICLE NUMBER:

Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
2131	061 = 6x1W	X = Ohne/None	A = Asymmetrisch / Asymmetric	27 = 2700K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
	063 = 6x1,5W	Y = DALI	f = 8°	30 = 3000K	9 = 90	02 = RAL 9006 ●	
	062 = 6x2W	Z = On/Off	g = 10°	35 = 3500K		03 = RAL 9005 ●	
			T = 25°	40 = 4000K		04 = RAL 7016 ●	
			W = 45°	50 = 5000K*		05 = DB703 ●	
				57 = 5700K*			

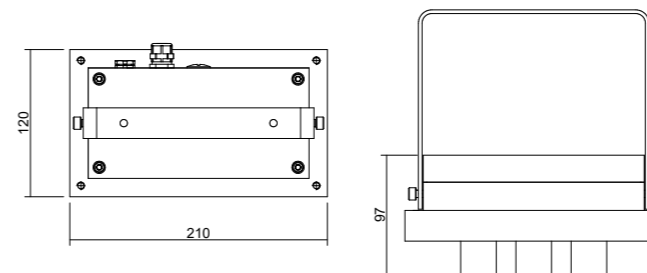
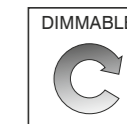
Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible  
\*5000K und 5700K nur CRI 80/ 5000K and 5700K only CRI 80



Lichtpunktabstand/Light point distance:	n/a
Treiber/Driver:	Integriert/Integrated
Leistung/Wattage:	6W – 12W
Lichtstrom/Luminous Flux:	702 lm – 1278 lm
Lichtverteilung/Beam angle:	25°, 45°
Wirkungsgrad/Efficiency:	>85%
Farbtemperatur/Color Temperature:	2200K – 5700K
CRI:	>80, >90
Schutzklasse/Protection Class:	1
IP-Schutz/IP-Protection:	IP65
Oberfläche Gehäuse/Casing Finish:	Pulverbeschichtet/Powder Coated
Sonderausführung/Custom versions:	Auf Anfrage/On request



MONO



Produkt ID:	Verbrauch + Lichtstrom/Wattage + Luminous Flux		
	061 = 6x1W	063 = 6x1,5W	062 = 6x2W
2128	702 lm	960 lm	1278 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request

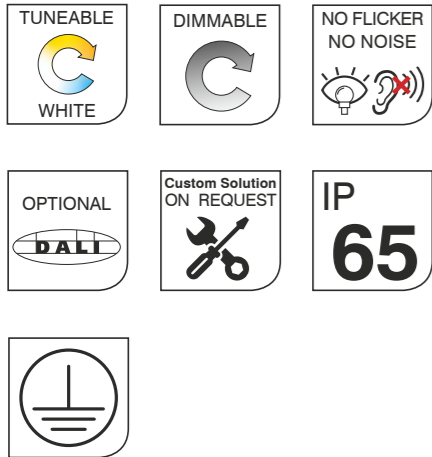


ARTIKELNUMMER / ARTICLE NUMBER:

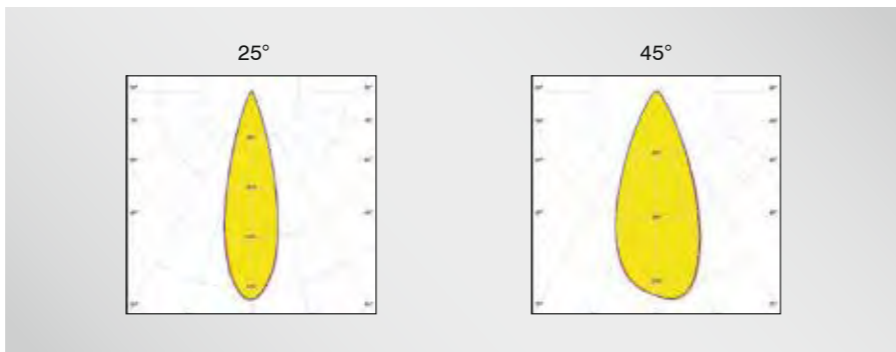
Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI CRI	Farbe Color Finish	Extras Accessories
2128	061 = 6x1W	X = Ohne/None	T = 25°	27 = 2700K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
	063 = 6x1,5W	Y = DALI	W = 45°	30 = 3000K	9 = 90	02 = RAL 9006 ●	
	062 = 6x2W	Z = On/Off		35 = 3500K		03 = RAL 9005 ●	
				40 = 4000K		04 = RAL 7016 ●	
				50 = 5000K*		05 = DB703 ●	
				57 = 5700K*			

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible

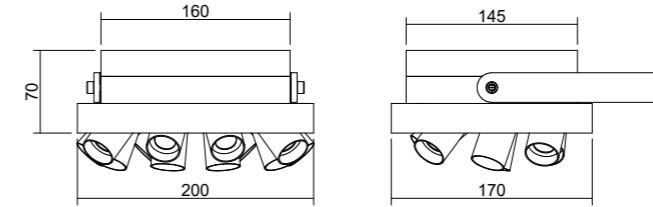
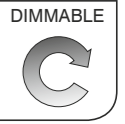
\*5000K und 5700K nur CRI 80/ 5000K and 5700K only CRI 80



Lichtpunktabstand/Light point distance:	n/a
Treiber/Driver:	Integriert/Integrated
Leistung/Wattage:	12W – 24W
Lichtstrom/Luminous Flux:	1404 lm – 2556 lm
Lichtverteilung/Beam angle:	25°, 45°
Wirkungsgrad/Efficiency:	>85%
Farbtemperatur/Color Temperature:	2200K – 5700K
CRI:	>80, >90
Schutzklasse/Protection Class:	1
IP-Schutz/IP-Protection:	IP65
Oberfläche Gehäuse/Casing Finish:	Pulverbeschichtet/Powder Coated
Sonderausführung/Custom versions:	Auf Anfrage/On request



MONO



Produkt ID:	Verbrauch + Lichtstrom/Wattage + Luminous Flux		
	121 = 12x1W	125 = 12x1,5W	122 = 12x2W
2134	1404 lm	1920 lm	2556 lm

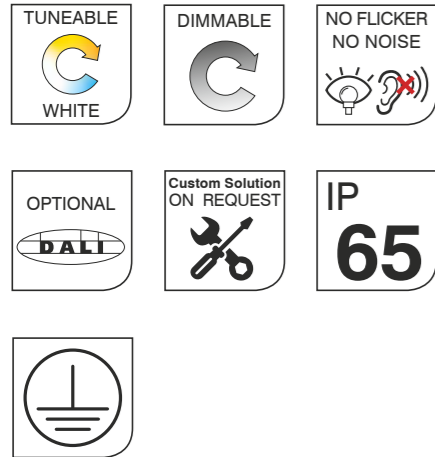
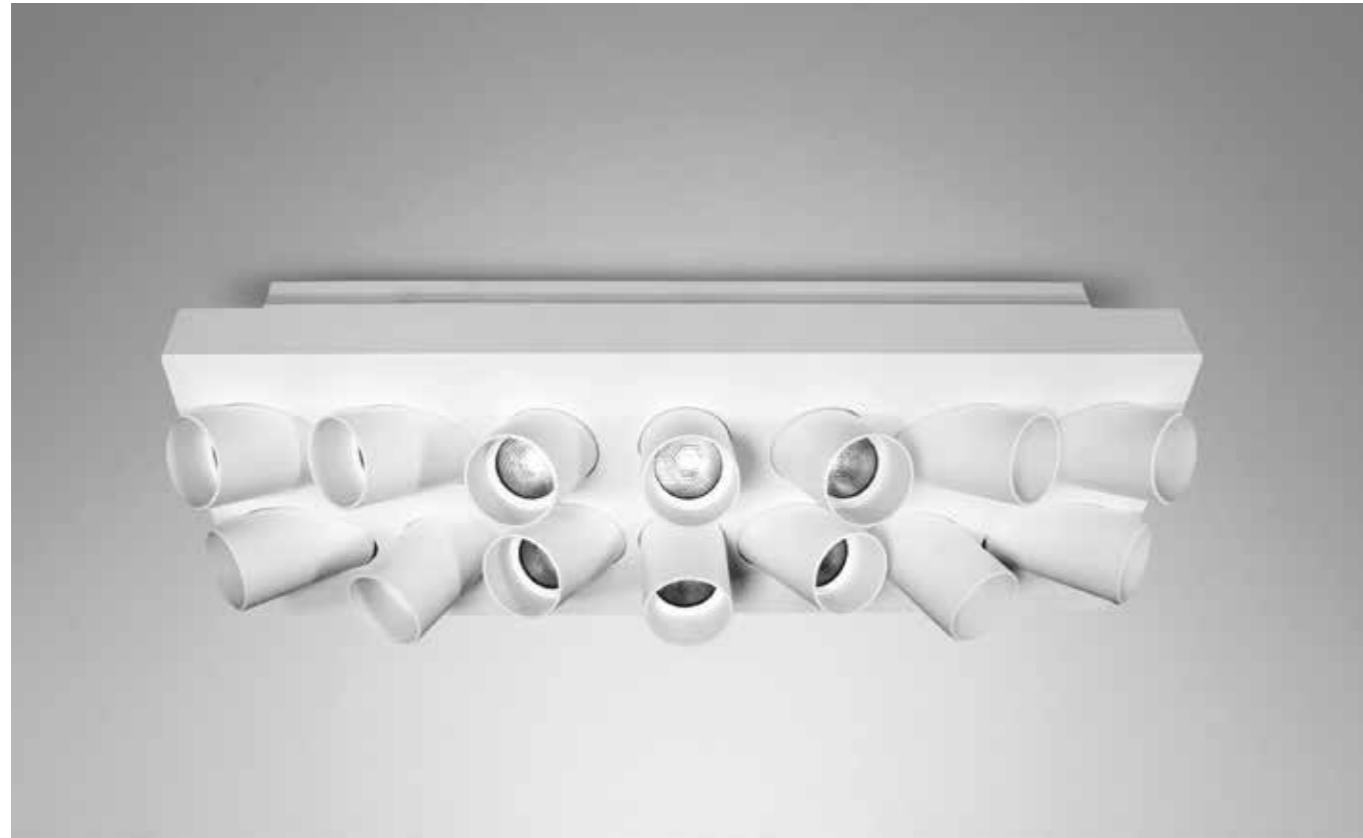
Weitere Sonderausführungen auf Anfrage / Custom solutions on request



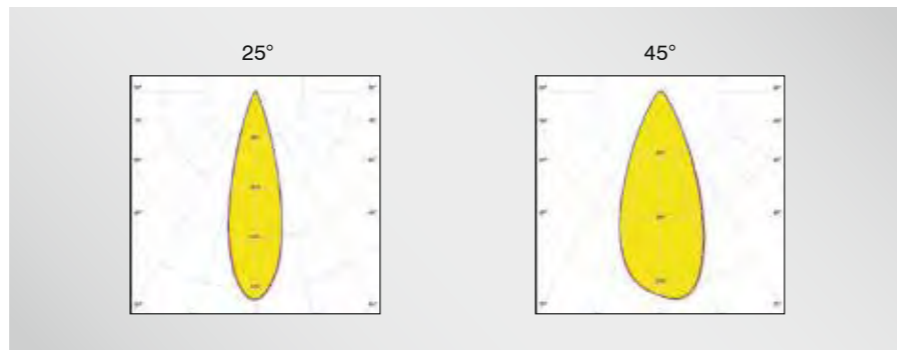
ARTIKELNUMMER / ARTICLE NUMBER:

Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI	Farbe Color Finish	Extras Accessories
2134	121 = 12x1W	X = Ohne/None	T = 25°	27 = 2700K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
	125 = 12x1,5W	Y = DALI	W = 45°	30 = 3000K	9 = 90	02 = RAL 9006 ●	
	122 = 12x2W	Z = On/Off		35 = 3500K		03 = RAL 9005 ●	
				40 = 4000K		04 = RAL 7016 ●	
				50 = 5000K*		05 = DB703 ●	
				57 = 5700K*			

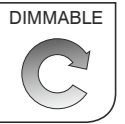
Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible  
 \*5000K und 5700K nur CRI 80/ 5000K and 5700K only CRI 80



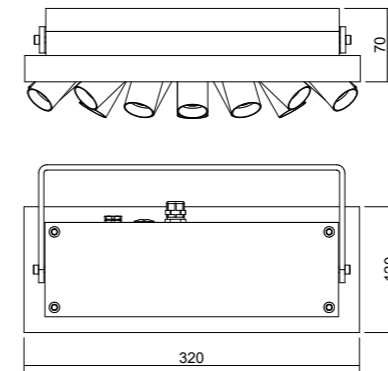
Lichtpunktabstand/Light point distance:	n/a
Treiber/Driver:	Integriert/Integrated
Leistung/Wattage:	14W – 28W
Lichtstrom/Luminous Flux:	1638 lm – 2982 lm
Lichtverteilung/Beam angle:	25°, 45°
Wirkungsgrad/Efficiency:	>85%
Farbtemperatur/Color Temperature:	2200K – 5700K
CRI:	>80, >90
Schutzklasse/Protection Class:	1
IP-Schutz/IP-Protection:	IP65
Oberfläche Gehäuse/Casing Finish:	Pulverbeschichtet/Powder Coated
Sonderausführung/Custom versions:	Auf Anfrage/On request



MONO



PRAEZISA 2x7



Produkt ID:	Verbrauch + Lichtstrom/Wattage + Luminous Flux		
	141 = 14x1W	145 = 14x1,5W	142 = 14x2W
2137	1638 lm	2240 lm	2982 lm

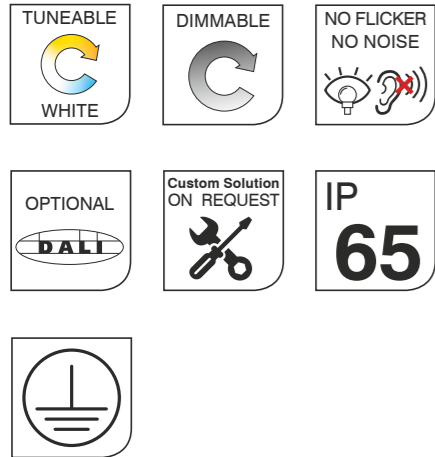
Weitere Sonderausführungen auf Anfrage / Custom solutions on request



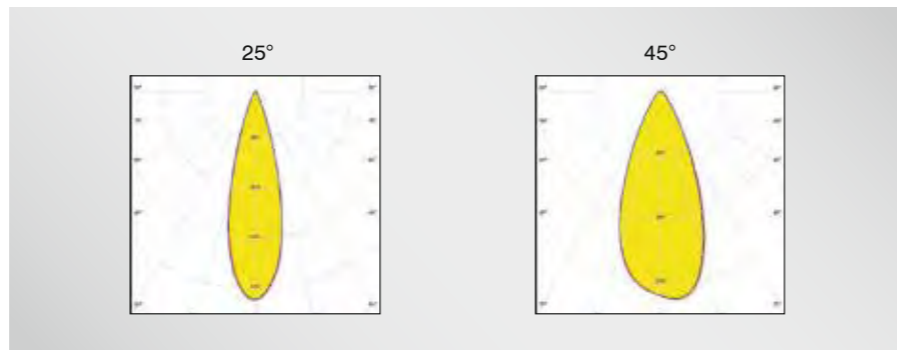
ARTIKELNUMMER / ARTICLE NUMBER:

Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI	Farbe Color Finish	Extras Accessories
2137	141 = 14x1W	X = Ohne/None	T = 25°	27 = 2700K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
	145 = 14x1,5W	Y = DALI	W = 45°	30 = 3000K	9 = 90	02 = RAL 9006 ●	
	142 = 14x2W	Z = On/Off		35 = 3500K		03 = RAL 9005 ●	
				40 = 4000K		04 = RAL 7016 ●	
				50 = 5000K*		05 = DB703 ●	
				57 = 5700K*			

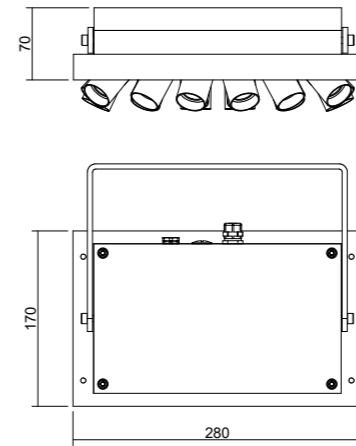
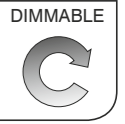
Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible  
\*5000K und 5700K nur CRI 80/ 5000K and 5700K only CRI 80



Lichtpunktabstand/Light point distance:	n/a
Treiber/Driver:	Integriert/Integrated
Leistung/Wattage:	18W – 36W
Lichtstrom/Luminous Flux:	2106 lm – 3834 lm
Lichtverteilung/Beam angle:	25°, 45°
Wirkungsgrad/Efficiency:	>85%
Farbtemperatur/Color Temperature:	2200K – 5700K
CRI:	>80, >90
Schutzklasse/Protection Class:	1
IP-Schutz/IP-Protection:	IP65
Oberfläche Gehäuse/Casing Finish:	Pulverbeschichtet/Powder Coated
Sonderausführung/Custom versions:	Auf Anfrage/On request



MONO



Produkt ID:	Verbrauch + Lichtstrom/Wattage + Luminous Flux		
	181 = 18x1W	185 = 18x1,5W	182 = 18x2W
2140	2106 lm	2880 lm	3834 lm

Weitere Sonderausführungen auf Anfrage / Custom solutions on request



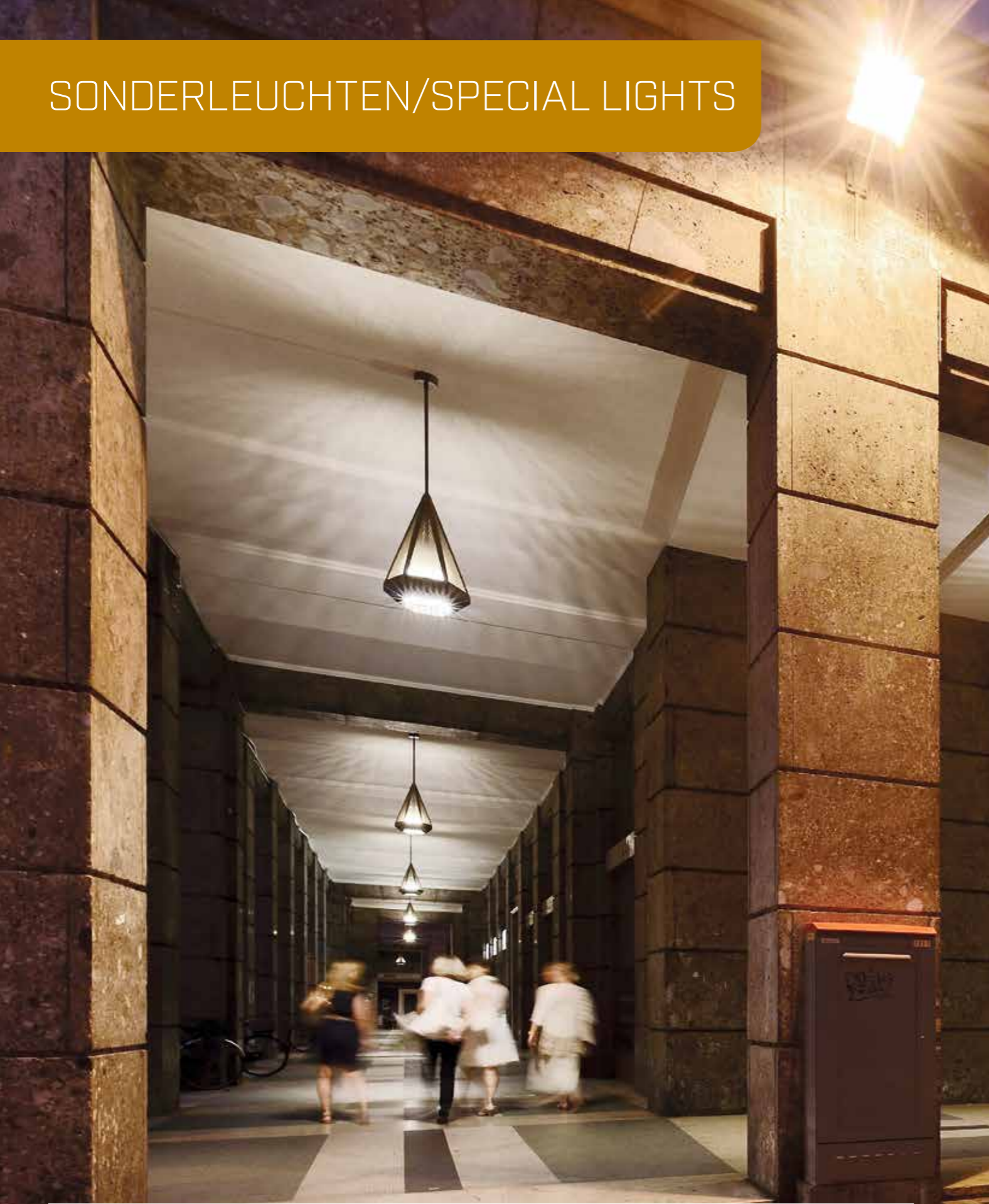
ARTIKELNUMMER / ARTICLE NUMBER:

Produktkennung Product ID	Verbrauch Wattage	Treiber Driver	Abstrahlwinkel Beam Angle	Farbtemperatur Color Temperature	CRI	Farbe Color Finish	Extras Accessories
2140	181 = 18x1W	X = Ohne/None	T = 25°	27 = 2700K	8 = 80	01 = RAL 9016 ○	X = Ohne/None
	185 = 18x1,5W	Y = DALI	W = 45°	30 = 3000K	9 = 90	02 = RAL 9006 ●	
	182 = 18x2W	Z = On/Off		35 = 3500K		03 = RAL 9005 ●	
				40 = 4000K		04 = RAL 7016 ●	
				50 = 5000K*		05 = DB703 ●	
				57 = 5700K*			

Andere Farbkombinationen oder Temperaturen möglich/Other color combinations or temperatures possible  
\*5000K und 5700K nur CRI 80/ 5000K and 5700K only CRI 80

# SONDERLEUCHTEN/SPECIAL LIGHTS

## SONDERLEUCHTEN / SPECIAL LIGHTS



Für hochwertige, projektbezogene Sonderleuchten – kontaktieren Sie uns!

For high-quality, project-related special lights contact us!





EINSATZGEBIETE

Verwaltungsgebäude, Büros  
Industriegebäude  
Forschung und Bildung  
Krankenhäuser  
Hotels und Gastronomie  
Einkaufszentren  
Stadtbeleuchtung  
Ausstellungen, Messen  
Sakrale Gebäude  
Freizeit, Kultur  
Flughäfen & Bahnhöfe  
Sonstiges

APPLICATION AREAS

Administration & Office Buildings  
Industry  
Research & Educational Facilities  
Hospitals  
Hotel & Gastronomy  
Shopping malls  
Street & Urban Lighting  
Exhibitions & Trade Fairs  
Sacred Buildings  
Leisure & Culture  
Airports & Train Stations  
Others

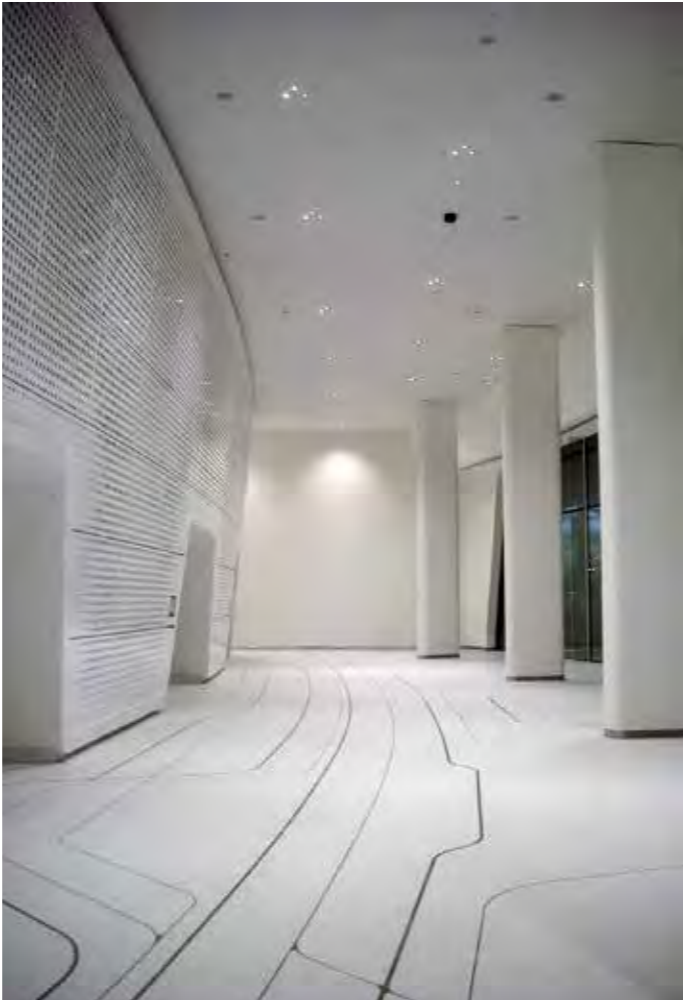


BILDUNGSZENTRUM, HOLZGAU



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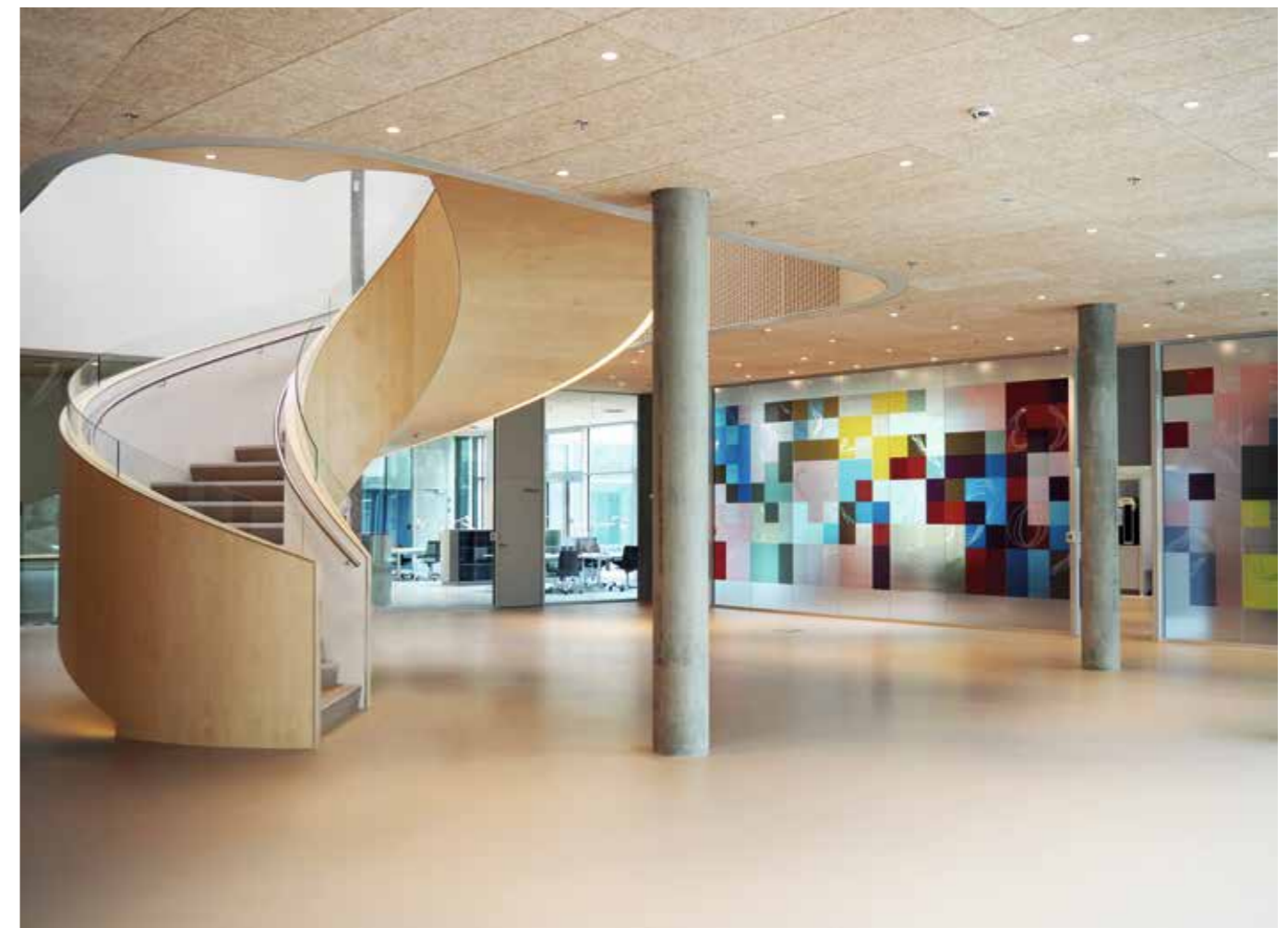


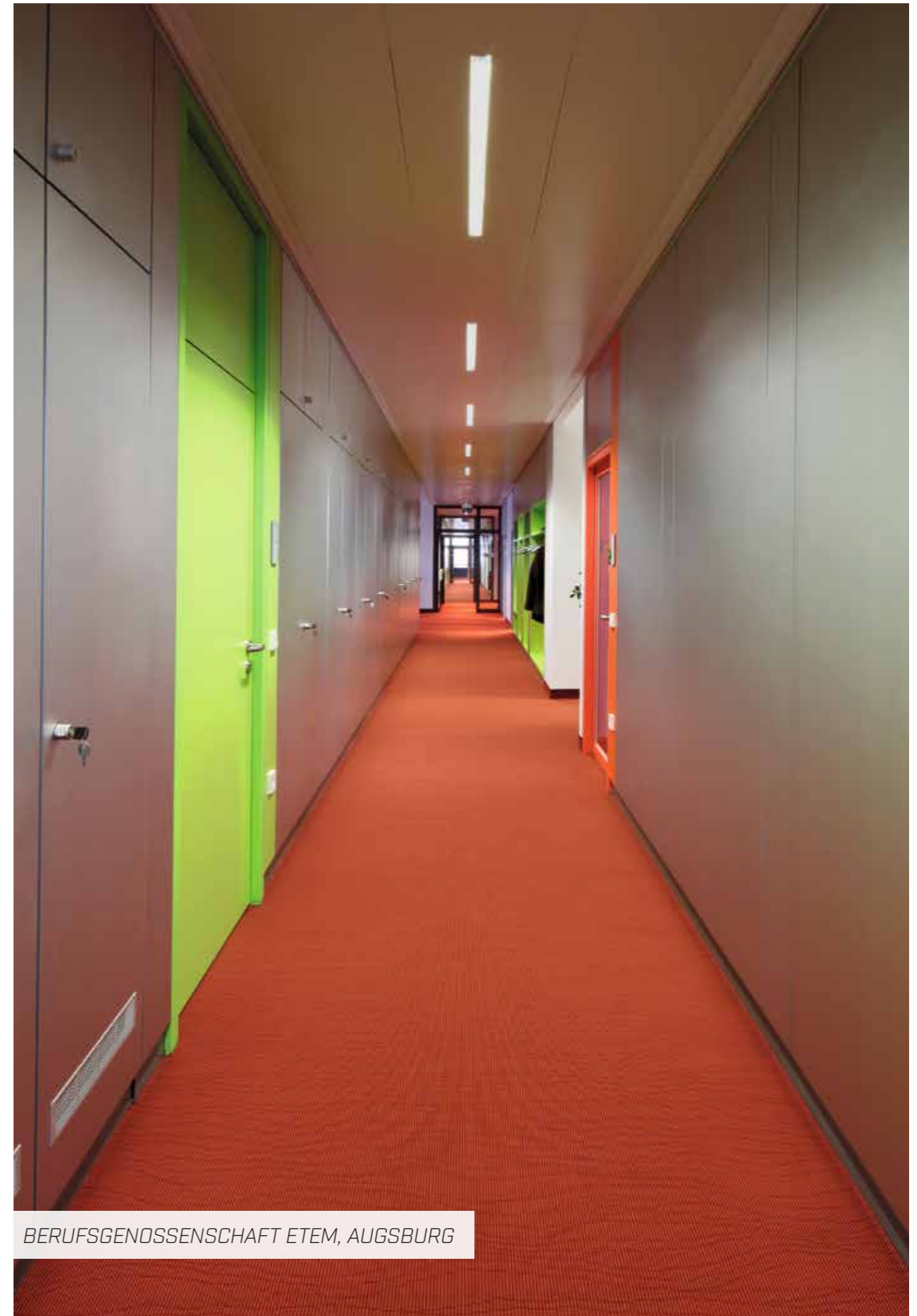


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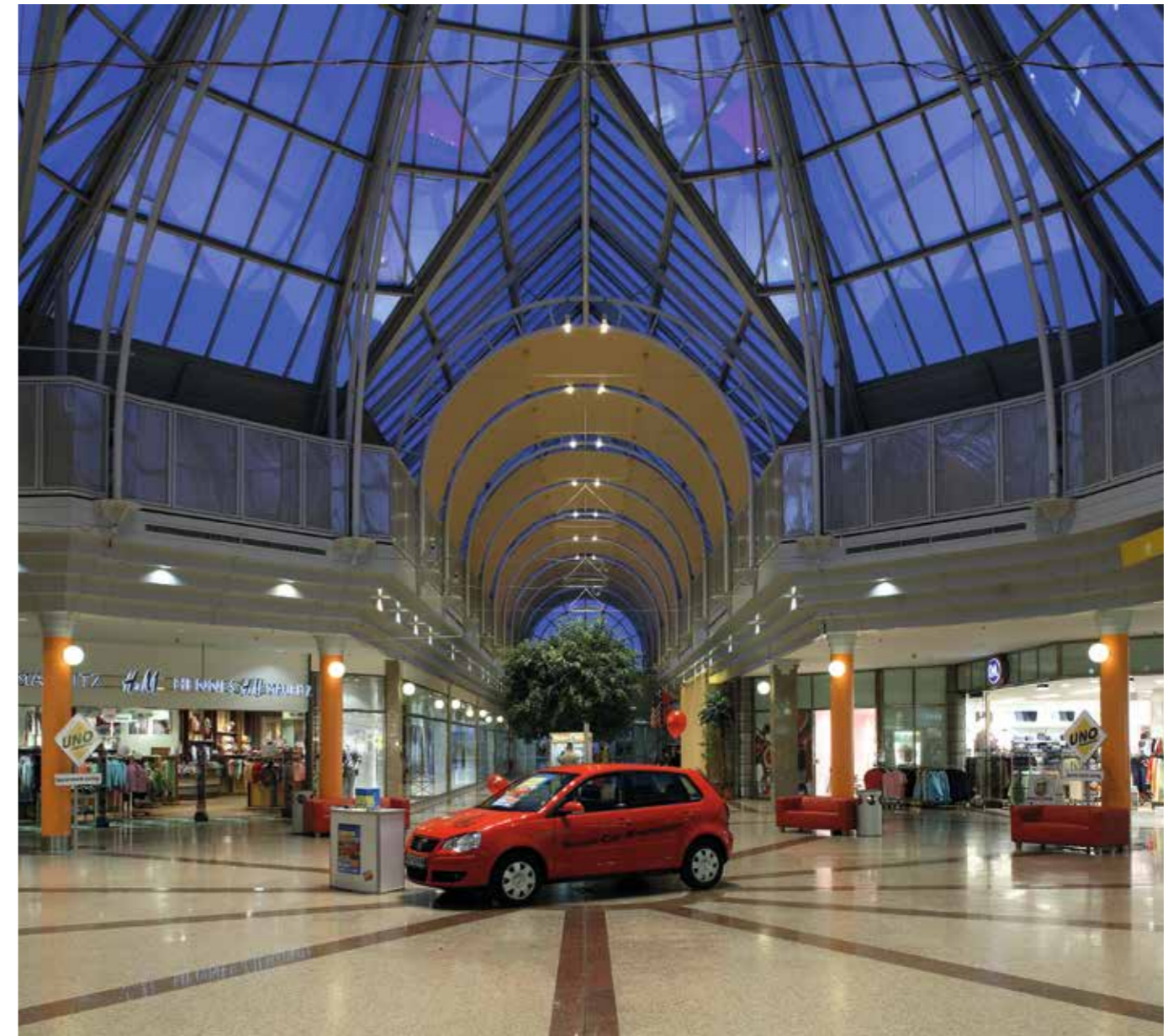


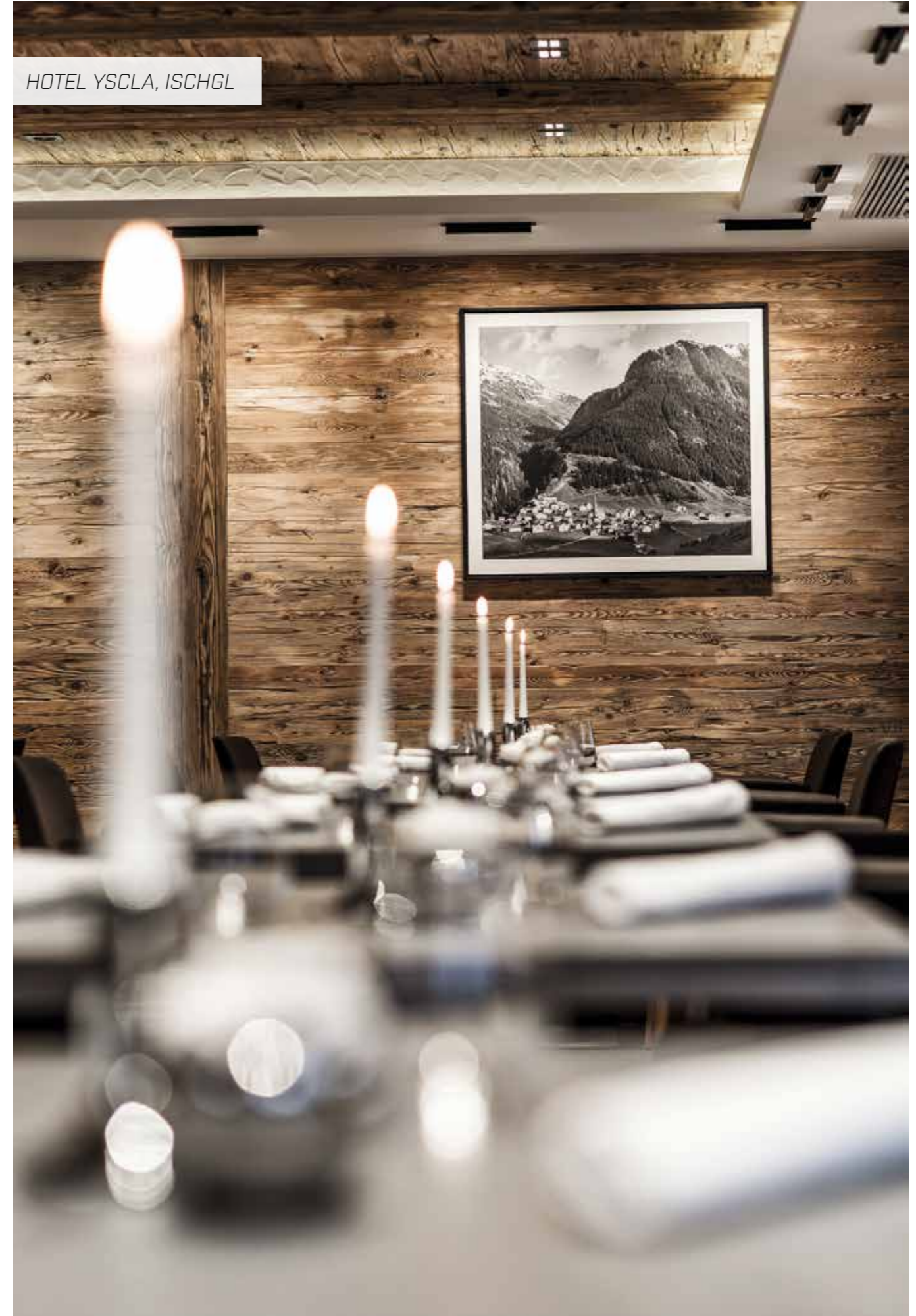
PSYCHIATRISCHE KLINIK GAPS, SLAGELSE





BERUFSGENOSSENSCHAFT ETEM, AUGSBURG





HOTEL YSCLA, ISCHGL





SPARKASSE, DÜSSELDORF

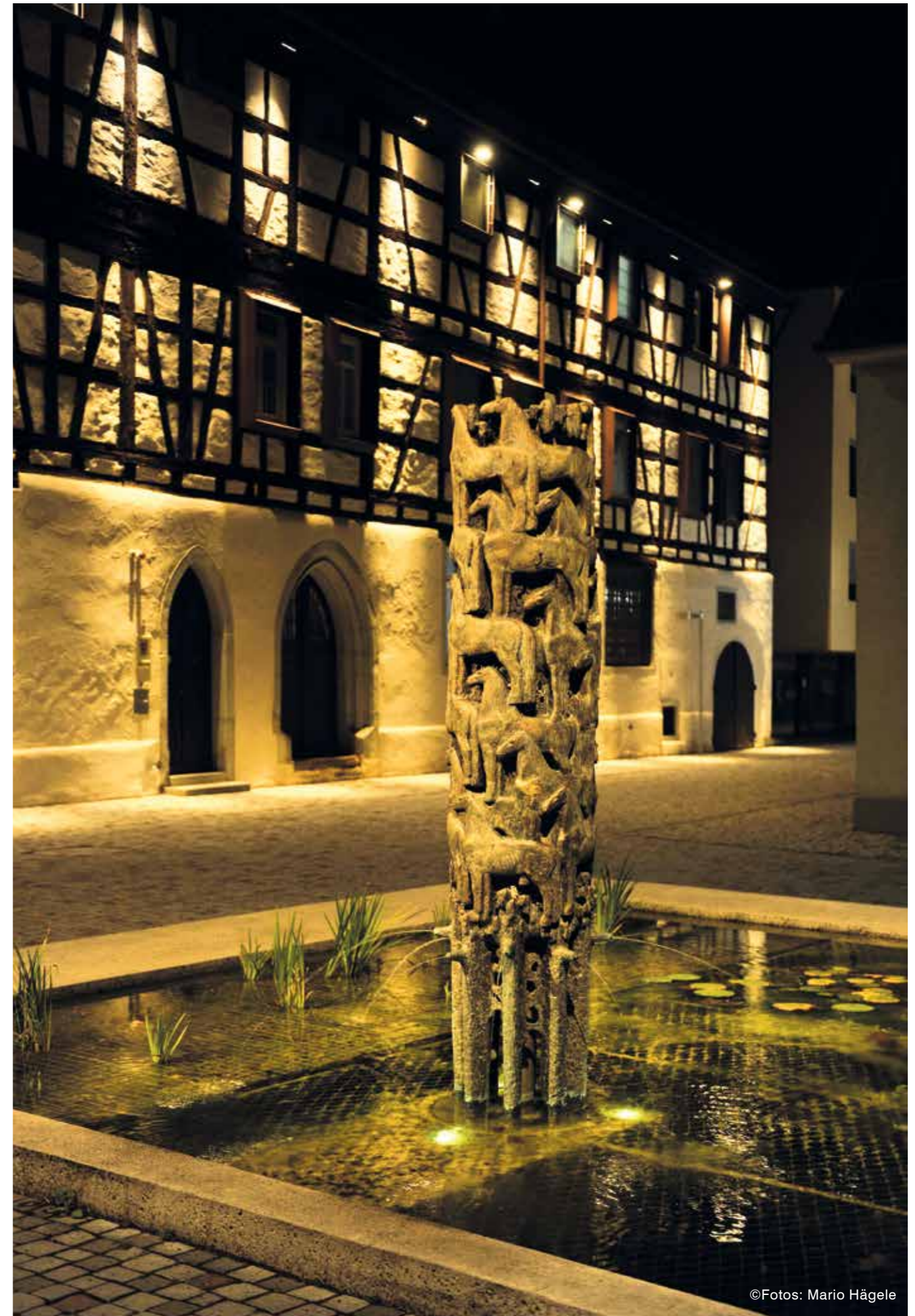
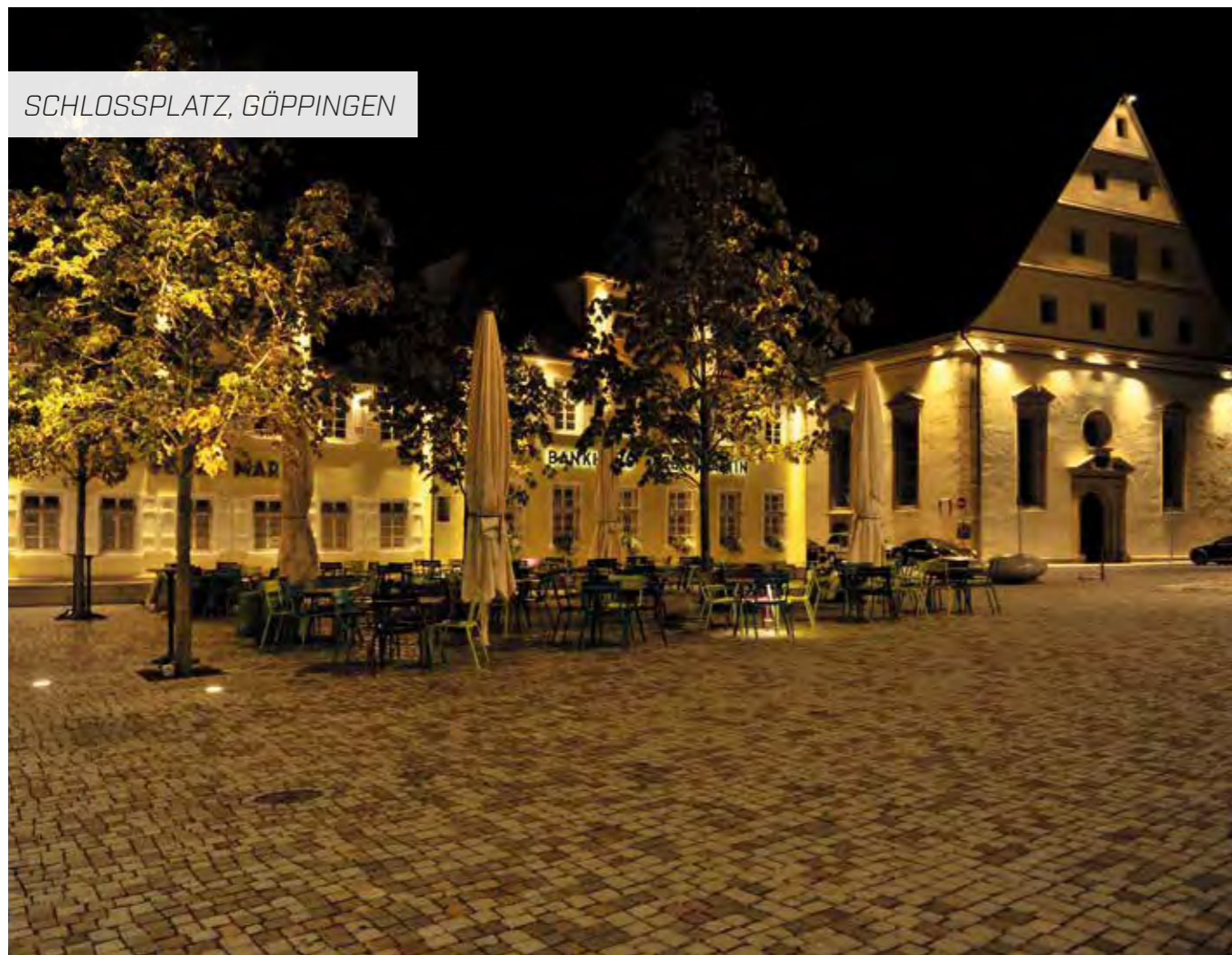




FREIHEITSSTRASSE, BOZEN



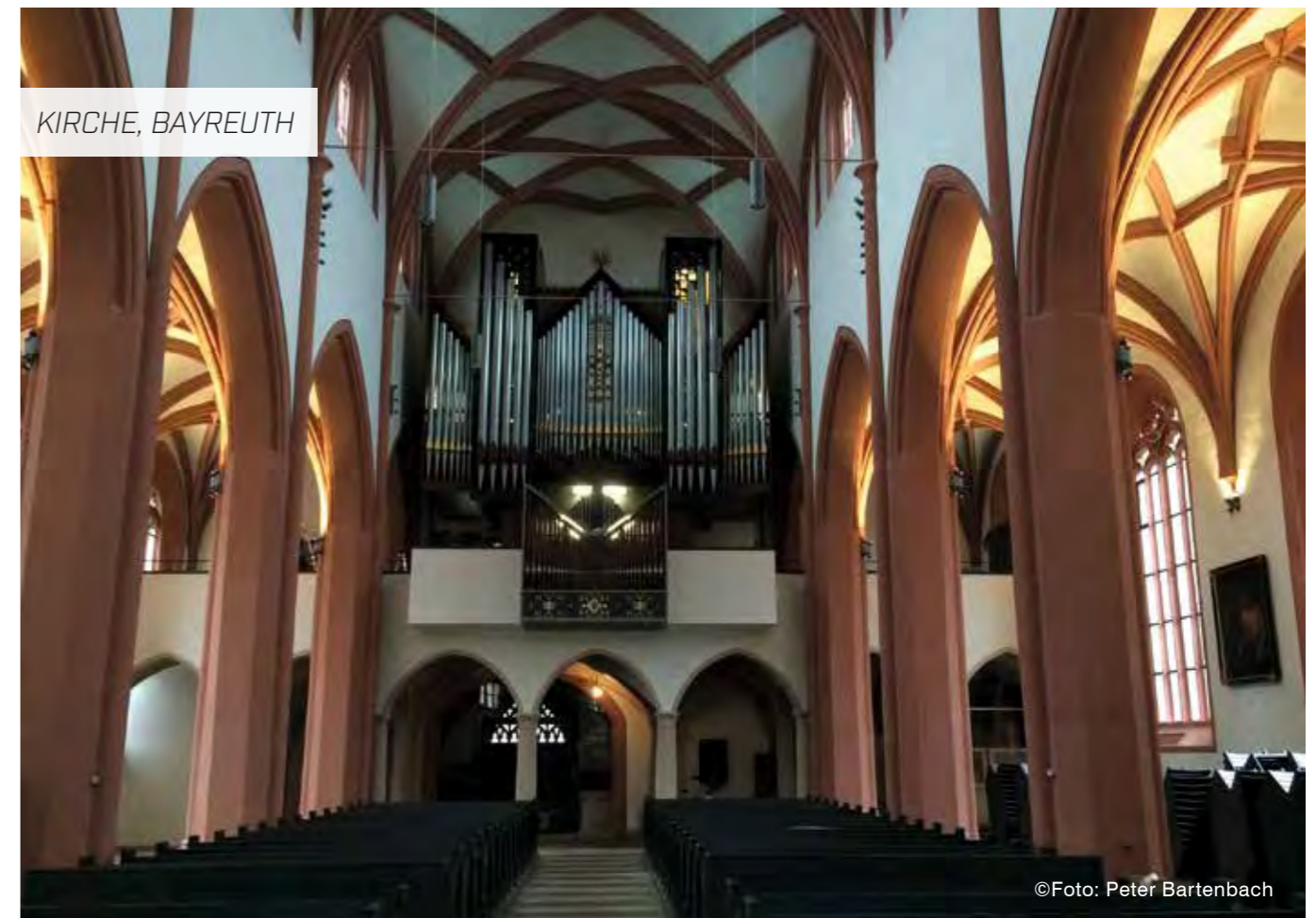
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## INDIVIDUELLE FARBAUSWAHL

Finden Sie die passende Farbe für Ihr individuelles Projekt.

Unsere Produkte sind stets kundenorientiert. Auch die Farbgebung kann speziell jedem Projekt angepasst werden. Neben den Standardfarben aus den Tabellen haben Sie die Möglichkeit, eine passende Farbe aus der RAL-Classic-Palette auszuwählen (DB oder NCS Farbtöne auf Anfrage).

Alle Aluminium- und Stahlteile werden direkt bei uns in Hause pulverbeschichtet.



## ZUBEHÖR

Für die elektrische Installation Ihrer Leuchten finden Sie bei uns auch eine große Auswahl an Zubehörartikel.

Wir bieten viele hochwertige Produkte wie: Kabel, Leitungen, Klemmen, Verteiler, Steckverbindungen, Vorschaltgeräte und Profile an.

## INDIVIDUAL COLOR SELECTION

Choose the right color for your individual project.

Our products are always customer-oriented. The color scheme can be customized for each project. In addition to the standard colors from the tables, you have the option to select a suitable color from the RAL classic palette (DB or NCS colors on request).

All aluminium and steel parts are powder coated directly in our house.

## ACCESSORIES

For the electrical installation of your lighting, you will also find a large selection of accessories.

We offer many high quality products such as: cables, wires, terminals, distributors, connectors, ballasts and profiles.



Während der Gültigkeit dieses Katalogs behalten wir uns technische und formale Änderungen an den aufgeführten Produkten sowie Irrtum ausdrücklich vor.

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Die hohe Innovationsrate und schneller technischer Fortschritt in der LED-Forschung sorgen dafür, dass wir die Lumenwerte – sofern nicht gesondert vermerkt – für die jeweils verwendeten LEDs (bei Betriebstemperatur) angeben.

Alle Werte gelten zum Zeitpunkt der Drucklegung.

The high innovation rate and rapid technical progress in LED research ensure that we provide the lumen values – unless otherwise noted – for the LEDs used (at operating temperature).

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## Projektleuchten

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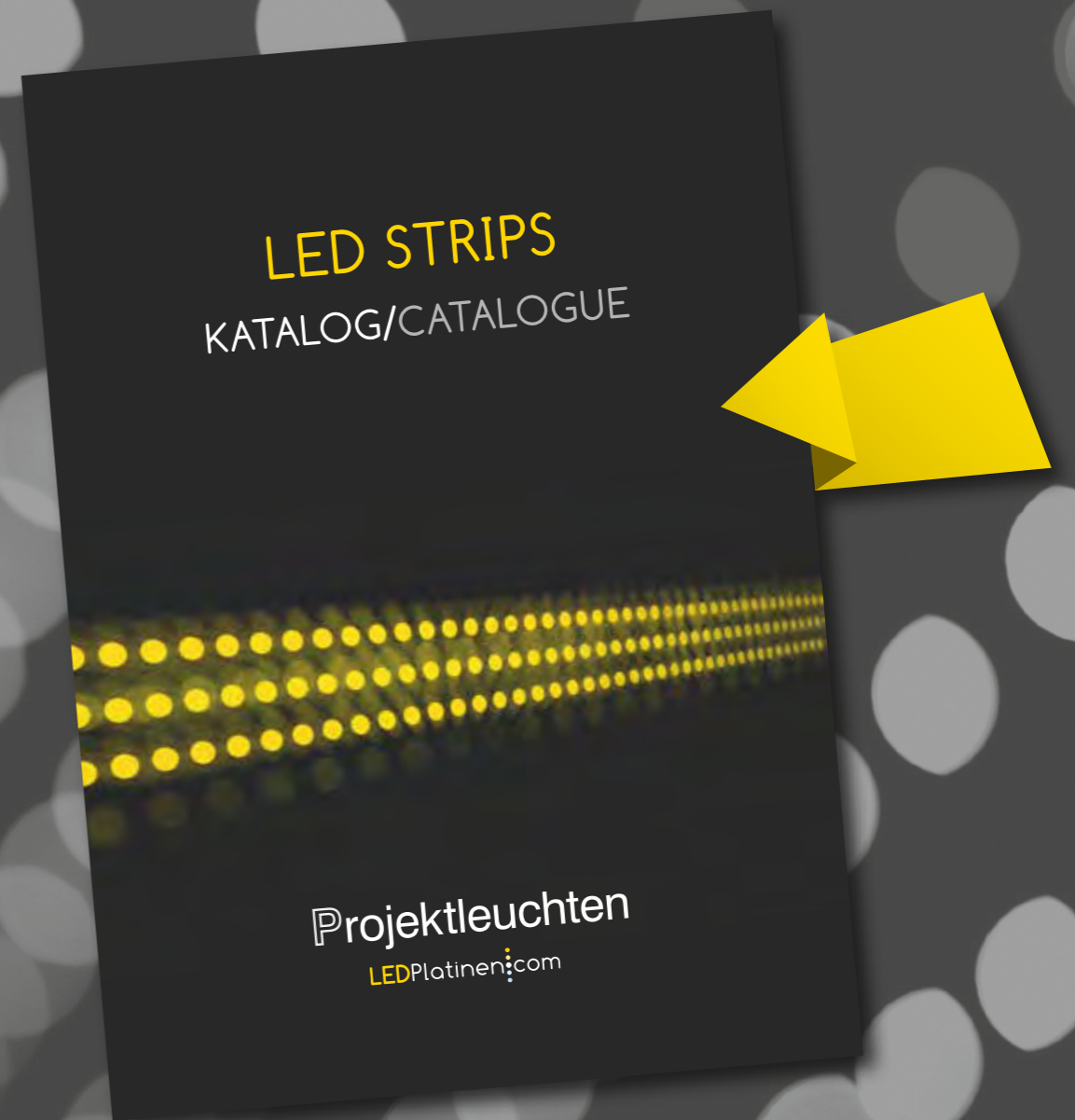
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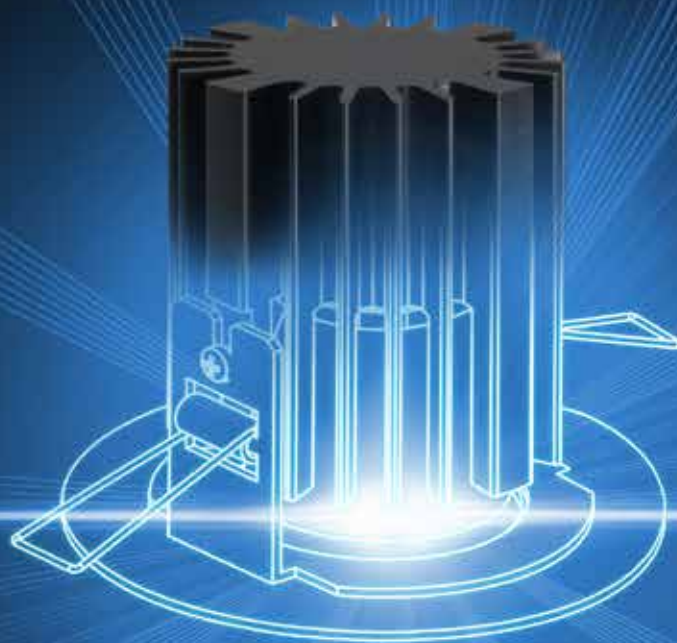
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Projektleuchten

# *Lighting Portfolio*

## *2020*



**P**rojektleuchten

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