



Lighting 2022




Website

Data updates

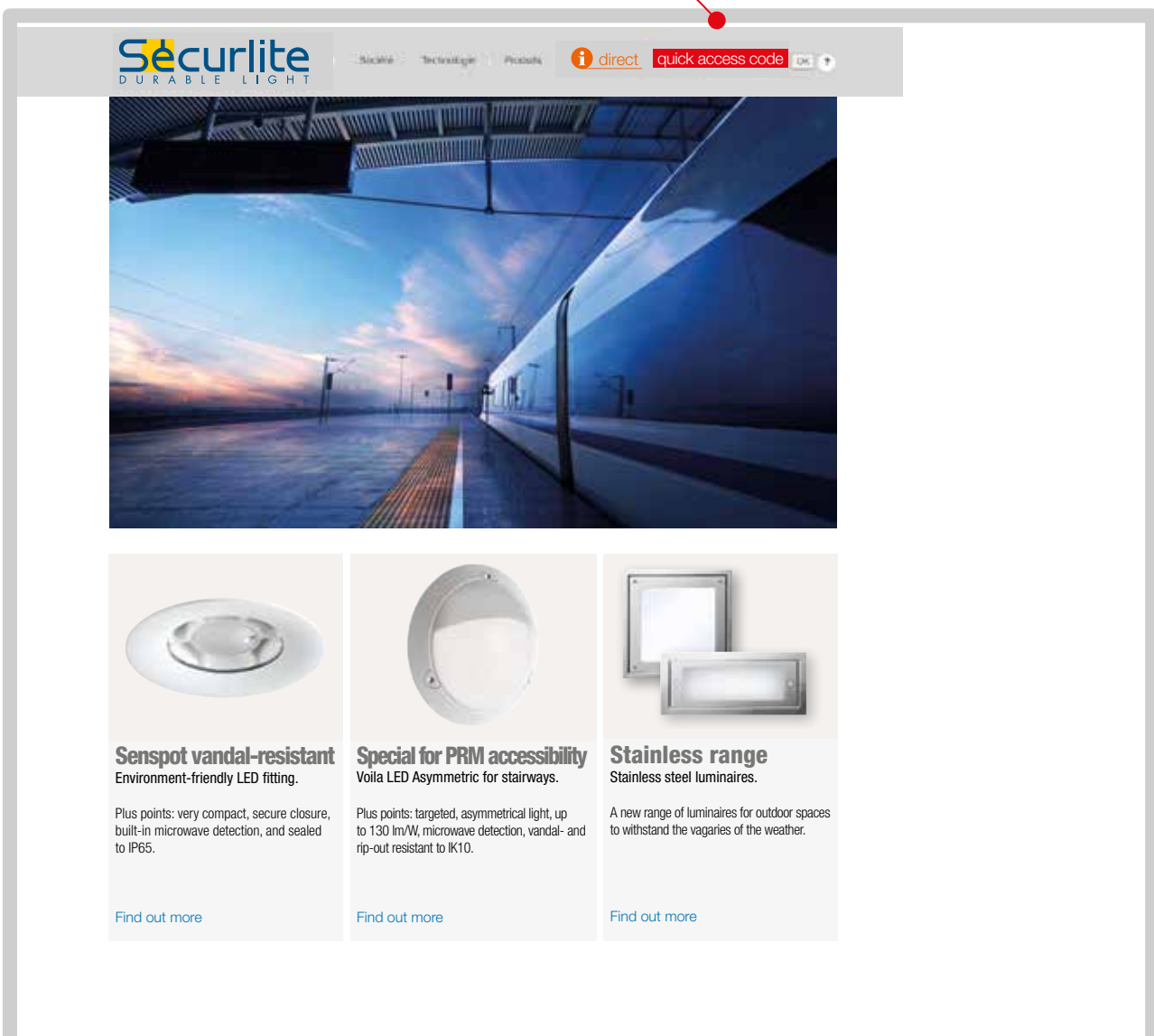
Quick access to technical information updates for our products:

- Catalogue,
- Data sheet,
- Fitting / installation,
- Photometry.

On our homepage, enter the quick access code for the product whose update information you want to check.

 106	
220-240 V AC / 50 Hz	  RoHS
CCT (K) (CRI min.)	Grey
4000 (80)	1060 14 ..
4000 (80)	1061 14 ..

Enter the quick access code for the product whose update information you want to check on the homepage of our website.



The screenshot shows the Securilite website homepage. The navigation bar includes the Securilite logo, 'Solutions', 'Technology', 'Products', and the 'i direct quick access code' field with a search button. Below the navigation bar is a large hero image of a modern building interior. A grid of three product categories is displayed below the hero image:

- Senspot vandal-resistant**
Environment-friendly LED fitting.
Plus points: very compact, secure closure, built-in microwave detection, and sealed to IP65.
[Find out more](#)
- Special for PRM accessibility**
Voila LED Asymmetric for stairways.
Plus points: targeted, asymmetrical light, up to 130 lm/W, microwave detection, vandal- and rip-out resistant to IK10.
[Find out more](#)
- Stainless range**
Stainless steel luminaires.
A new range of luminaires for outdoor spaces to withstand the vagaries of the weather.
[Find out more](#)

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**Specialists
in lighting for
public spaces
and buildings
for over 30
years**

**Innovation
and quality
for over
30 years**

**Manufacturing
in France
for over
30 years**





For over 30 years we have been designing and manufacturing innovative, long-lasting lighting solutions intended for public and communal spaces and buildings:

Longer life

Thanks to long-life sources, the use of quality materials, and extra-sturdy construction.

Reduced maintenance

Thanks to outstanding resistance to impacts and vandalism.

Control over the light

Thanks to the choice of different optics and diffusers, for maximum efficiency and reduced glare.

Energy savings

Thanks to LED technology and optimum light management.



Securlite set up in 1986 and based in La Ferté-Bernard in the French département of Sarthe, is a company of the Rivalen family Group.

The production site and R & D centre together cover nearly 5,000 m².

The company fosters the development of innovation and luminaire design: it has in-house test labs and develops its own electronic solutions.

What's more, it uses a network of local expertise and partners, particularly in areas involving plastics technology, sheet-metalwork, and non-ferrous die-casting.

Our network of around twenty sales advisors is always at your service; our in-house technical support will help you choose the right products and can perform your lighting calculations for you.

Thanks to its quality and innovation, Securlite currently exports its luminaires to many European countries and to new markets in Oceania such as Australia, New Zealand and the Middle East such as the United Arab Emirates.



BVCert. 6037554

Designed and built in France, carrying the "Origine France Garantie" mark.



Securite is certified to ISO 9001:2015



Securite is a partner of the RELUX® lighting calculation programs.

Customer Support

- Sales support at your service,
- Technical support and lighting calculation service.



Mechanical and electronic design department

- R & D and product and electronics development department,
- 3D computer graphics department (Solidworks, AutoCAD).



Testing and inspection laboratory

- EMC laboratory for testing and validating products and components,
- Photogoniometer for photometric measurements,
- Testing and endurance area.



Electronics production

- Dual-headed SMD line,
- Wave soldering line,
- Test and inspection line.



Luminaire production

- Assembly and wiring work stations,
- Mechanical operations line (cutting, drilling, milling),
- Liquid paint booth.



Our commitments

A Securlite luminaire is unlike other luminaires: it is designed to last longer, illuminate better, and offer convenience and safety. Our luminaires are designed and made in La Ferté-Bernard in Sarthe: they are the result of our dedicated team's enthusiasm for fine products and our customers' satisfaction.



Ethical and social commitment.

We want our business to be based on moral, human values that respect people and team spirit. An independent small business, our company relies on its staff and their professionalism, their skills, and their enthusiasm for creating the innovations of tomorrow. In the same way, we seek to establish a respectful process of mutual trust and listening to our customers, based on analysing their needs, on clear, honest answers, and on providing solutions that live up to their expectations. In 2020, our corporate and environmental responsibility policy was rated and recognized again with a “Gold” award by the EcoVadis rating body.



Environmental innovation.

We wish to be part of a process of continuous improvement and respect for the environment. For example, by incorporating recycled polycarbonates into our products and by designing plug-in, repairable devices in order to move in the direction of a circular economy; or by constantly improving life-cycle analysis, in terms of both energy impact and recyclability.

Securlite uses the EIME life-cycle analysis and eco-design software from Bureau Veritas.

Securlite is a founder member of the eco-passport association PEP and of the recycling channel reserved for DEEE Pro (Déchets d'Équipements Électriques et Électroniques – Electrical & Electronic Equipment Waste).





5-year guarantee.

Securlite luminaires are built using the best materials and components, employing demanding manufacturing methods and superior quality criteria.

For the best possible efficiency and reliability, we design and build the LED modules and electronics assemblies according to the constraints of each luminaire.

This is why our LED luminaires as a whole are guaranteed for 5 years* against manufacturing defects (LED modules, detectors, materials, construction, etc.)

** unless otherwise stated in the product page.*

The terms and conditions for the special 3 and 5-year guarantee on LED luminaires are available on request or from www.securlite.com/cgv. Luminaires other than LED ones are covered by the statutory guarantee.



Certified French manufacture.

Keen to play our part in the life of the community, we have chosen to design and manufacture the vast majority of our products in France and to favour local suppliers and subcontractors.

The majority of our luminaires carry the Bureau Veritas “*OFG*” (*Origine France Garantie*) mark to guarantee the accuracy and traceability of our French manufacturing.

This “*OFG*” mark protects the consumer from self-declared marketing claims that can be deceptive about the true origin of products like “Assembled in France”, “Designed in France”, or “Made in France”, and the use of a French tricolour flag.



BVCert. 6037554

Our ranges that carry this mark:

- | | | | |
|---------------|----------------|--------------|-----------|
| - Voila range | - Titan range | - Borgo | - Aleane |
| - Bang range | - Sensei | - Mini-Borgo | - Senspot |
| - Efficé | - Urbaline | - Brikette | - Rondo |
| - Fila | - Vauban A / E | - P600 LED | - Rondino |
| - ASL / ESL | - Soffite | - Casemate | - Punto |

Technologies

LED



LED at Securlite: we have exceptional expertise in this rapidly-evolving technology.

2008: Securlite created the first LED bulkhead fitting with detection.

Today, eight more years of research and experience are enabling us to produce reliable, high-performance components that are constantly evolving.

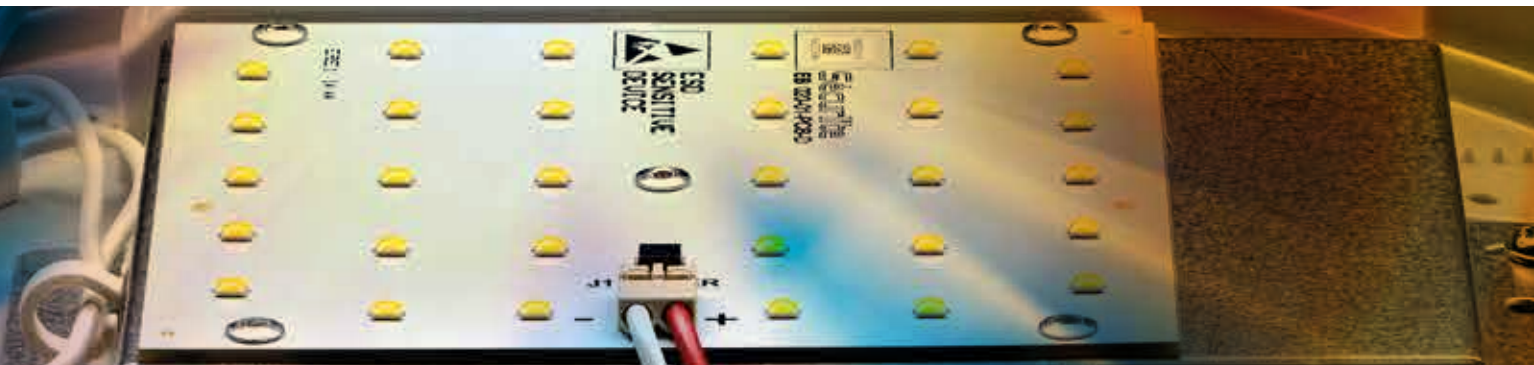
Since 2013, Securlite has incorporated an automated SMD line into its production line, to allow manufacturing of LED modules with or without optics, on the basis of a partnership with chip manufacturer Samsung.

Securlite uses mainly very high-efficiency Samsung mid-Power LEDs. Selected on the basis of tight binning in terms of light output and colour temperature, these LEDs are an excellent basis for building high-performance, reliable modules.

Advantages:

- Better heat dissipation,
- Excellent life expectancy,
- Excellent colour temperature maintenance,
- Excellent efficiency.





LED modules.

Securlite designs and manufactures its own LED modules: they are developed according to market needs and the function required for the luminaire.

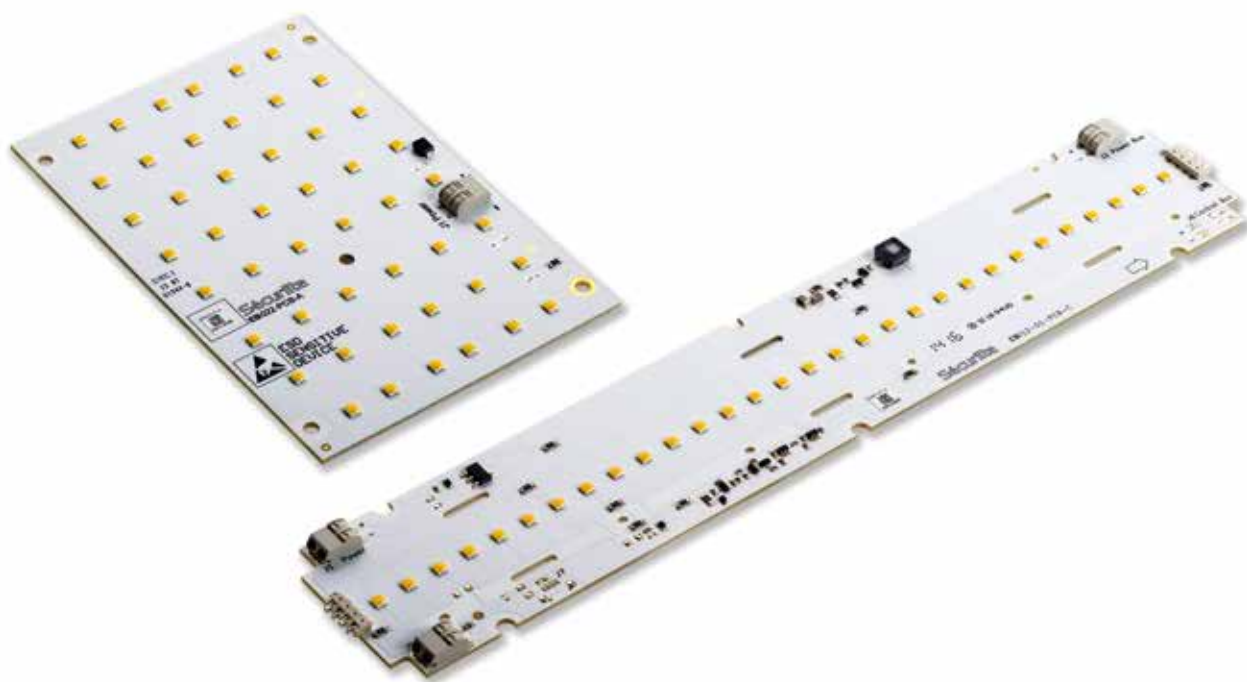
They achieve efficiencies of up to 200 lumens/watt at T_J 65° and minimum life expectancies of 50,000 hours (L80/B50) to go up to more than 72 000 hours in L80B10.

They cover a range of light outputs from 800 to 4400 lumens.

Securlite LED modules are available in 4000 K (standard catalogue) and 3000 K (on request).

Characteristics and advantages:

- Pluggable and repairable,
- 5-year guarantee against manufacturing defects,
- Long life,
- Colour temperature maintenance,
- High performance,
- Adapted for each Securlite luminaire.



Technologies

Detection



Low-consumption smart detectors.

These make it possible to incorporate smart functions within the body of the fitting, without having to use the prismatic lens that is unavoidable for infrared detection.

Securlite favours this technology in order to increase our fittings' resistance to outdoor or malicious influences, thereby helping maintain the lighting and security of the locations.

Sensei® range of detectors.

Sensei® range of detectors Securlite's Sensei motion sensors are designed and manufactured in France, in our own La Ferté-Bernard factory. Reliability, endurance, energy performance, and ease of use are the key characteristics of the Sensei range.

These detectors are the result of an eco-design policy, and improvements in LCAs (life-cycle analyses) for Securlite luminaires enable Project Owners to achieve their environmental targets more easily.

Securlite plus points.

↘ 2-wire (L/N) system wiring.

The radio-controlled fittings allows synchronized management of a group of luminaires without having to use an additional L' control wire.

Ideal for renovations in older buildings!

↘ Fast installation and setting.

Fittings are preset according to the type of fitting and application.

A remote control is available for the radio-controlled fitting versions: this makes it possible to transfer the settings from one luminaire to all the others. It also provides a diagnostics mode for maintenance and operation.

↘ Extended service life.

A small optional Deshi® module is available for fittings intended to be used in a system with a radio-controlled detector fitting. This avoids the detector in the master luminaire having to carry the load from the other fittings, running the risk of reducing its life, as is the case in conventional installations.

Securlite detectors include numerous other functions, in both radio-controlled and standard versions: positive safety, built-in 100-hr burn-in for dimmable fluorescent fittings, low standby consumption, etc.



Functions available:

- Basic detection,
- Remote controlled detection with radio link,
- Detection with warning and standby,
- Remote controlled detection with radio link, including warning and standby,
- Slave warning and standby control module (in combination with the relevant detector).

Guide to functions:

The technical specifications are available on our website.

Ranges		Function	Luminaire option code	Detection ON / OFF	Max. loading	Radio link	Remote-controlled setting	Warning or standby
SENSEI	START	Basic detection (residential range)	11	yes	350 W / VA	-	-	-
	PRO	Basic detection (technical range)	12	yes	700 W / VA	-	-	-
	I PRO	Remote controlled detection with radio link	16	yes	700 W / VA	✓	✓	-
	PRO DIM	Warning / standby detection	13	yes	700 W / VA			✓
	I PRO DIM	Remote controlled warning / standby detection with radio link	17	yes	700 W / VA	✓	✓	✓
DESHI	PRO DIM	Warning / standby control module	03	Slave	700 W / VA	-	-	✓
	I PRO DIM	Radio	07	Slave	700 W / VA	✓	✓	✓

Microwave motion sensors are designed for indoor use.
Interference may occur, for example close to lifts, water risers, etc.
Sensitivity may be affected by different types of materials and by the layout of the space.



Technologies

Vandal-resistance



A lighting installation subjected to vandalism or outdoor influences can have many consequences:

- Lack of security for people and property due to the interruption in lighting,
- Additional financial cost of additional maintenance and replacing capital assets,
- An environmental impact associated with the reduced life cycle for the products.

Since 1986, Securlite has been developing vandal-resistant luminaires and long-life lighting solutions in order to reduce the cost of maintenance in public spaces and buildings.

Because a luminaire is an investment, not a consumable.

The vandal-resistance of Securlite products is based on:

- Resistance to deliberate or accidental impacts,
- Resistance to ripping out (anti ligature),
- Secure closure (special screws).

As an option, Securlite luminaires can also offer increased flame-resistance, and resistance to graffiti, UV (tropical countries), and corrosion in a marine environment.

Materials used:

- Steel, aluminium, and stainless steel,
- Polycarbonate and Duroflam®.

Special tools:

The special tools, in the form of driver bits or special spanners, must be ordered separately. Bit-holder drivers and additional tools can also be ordered at current prices. Special fastenings can be designed on request.



Impact resistance
Vibration resistance



Ripping-out resistance
Anti ligature



Anti-vandal screws



Flame resistance



Graffiti resistance



Vandal resistance classifications.

IK rating for resistance to mechanical impacts (EN 62262).

The EN 62262 standard provides for a maximum resistance of IK11 = 50 joules.

Securlite adds IK11+ which have a higher resistance as specified in the table opposite.

Impact resistance	Mass / Drop height
IK 1 / 0,140 joule	0,25 kg : 56 mm
IK 2 / 0,20 joule	0,25 kg : 80 mm
IK 3 / 0,35 joule	0,25 kg : 140 mm
IK 4 / 0,50 joule	0,25 kg : 200 mm
IK 5 / 0,70 joule	0,25 kg : 280 mm
IK 6 / 1 joule	0,25 kg : 400 mm
IK 7 / 2 joules	0,50 kg : 400 mm
IK 8 / 5 joules	1,70 kg : 300 mm
IK 9 / 10 joules	5 kg : 200 mm
IK 10 / 20 joules	5 kg : 400 mm
IK 11 / 50 joules	10 kg : 500 mm
IK 11+ / 80 joules	10 kg : 800 mm
IK 11++ / 100 joules	10 kg : 1000 mm
IK 11++ / 120 joules	15 kg : 800 mm
IK 11++ / 150 joules	15 kg : 1000 mm

VK® vandal resistance rating.

The VK® rating allows better characterization of anti-vandal luminaires: it includes mechanical strength beyond IK10, as well as the other characteristics involved in vandal resistance.

For example, a luminaire that withstands 50 joules, resists ripping out, and is fitted with tamper-proof screws is VK35. Products classified by VK® rating: see page 184.

By virtue of their characteristics, anti-ligature luminaires also resist ripping out.

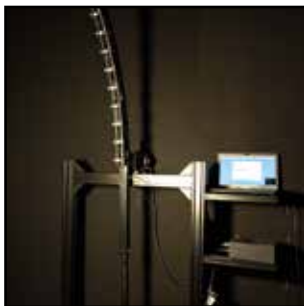
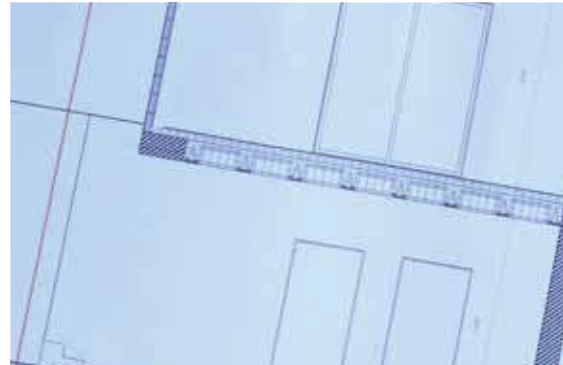
The figure in the 3rd position is optional.

** Standardized values as per EN 62262: see IK rating*

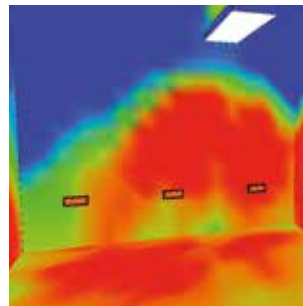
VK® rating	1 st position	2 nd position	(3 rd position)
0	< 10 joules	no protection	no protection
1	10 joules (*)	standard fastenings	flame resistance
2	20 joules (*)	vandal-resistant fastenings (or secure closure)	graffiti resistance
3	50 joules (*)	rip-out resistant	increased UV resistance (tropicalization)
4	80 joules	rip-out-resistant + standard fastenings	resistance to marine environment
5	100 joules	rip-out-resistant + vandal-resistant fastenings	-
6	120 joules	anti-ligature + vandal-resistant fastenings	-
7	150 joules	-	-

Services

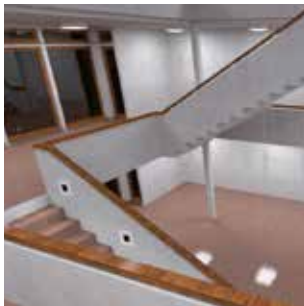
Lighting studies



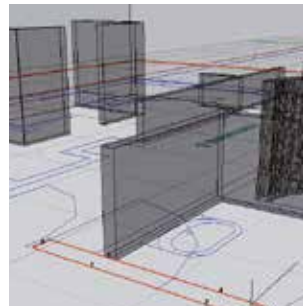
The new motorized photogrammetry in our La Ferté-Bernard laboratory enables us to immediately measure photometric characteristics for luminaires, including special productions.



Lighting simulations are performed in accordance with the EN 12464 standard using RELUX® Pro, one of the best professional programmes on the market, in order to guarantee thorough, objective results.



3D visualisations make it possible to give an idea of the feel of the light and to assess the accuracy of the calculations.



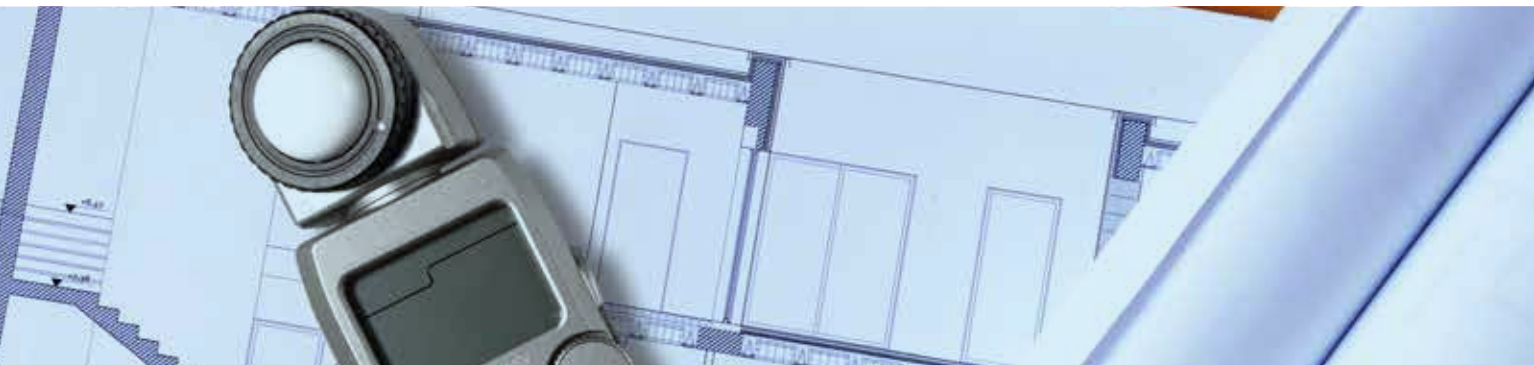
From the information you give us (measurements, plans, .dwg or .dxf files, etc.) we re-create the lighting conditions for your project.

Carrying out a good lighting design study.

To be able to carry out an accurate study that meets your request as well as possible, we need the following information:

- Type of buildings (new build or refurbishment),
- Dimensions of the spaces or drawings in .dwg or .dxf format,
- Colour of floors, walls, and ceilings,
- Maintenance factor.

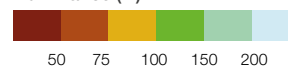
This information will enable us to obtain an accurate result and a simulation as close as possible to the real situation.



Interpreting a Securlite lighting study.



Illuminance (lx)



General

Calculation algorithm used
Height of luminaire plane (m)
Maintenance factor

Average indirect fraction
2.50 m
0.90

● Installation height for lighting fixtures.
● Installation maintenance factor (allows for loss of light output and soiling of the luminaire).

Luminous flux from all the lamps
Total power
Total power per unit area (24 m²)

10,625 lm
90.0 W
3 W / m² (2.44 W / m² / 100 lx)

● Total power consumed for the space.
● Useful power per m² and useful power per m² for 100 lux.

Measurement surface

Horizontal usable plane

Em
Emin
Emin / Em (Uo)

123 lx
77 lx
0.62

● Average illuminance measured at floor level.
● Minimum illuminance measured at floor level.
● Uniformity (the closer the result is to 1, the more even the light distribution).
● The UGR factor gives an idea of the discomfort glare within the OBSERVER's visual field with respect to the background luminance. The higher the value, the greater the likelihood of discomfort glare.

UGR (1.0 H 16.0 H)
Position

≤ 22.8
0.00 m

Type **No.** **Make**

2

5

Securlite:
Order code: 10620400
Luminaire name: Voila white 2400 LED module 4000 K AV
Lamps: 1 x LED module

● Number of luminaires used in the space.

● Type number of luminaire used throughout the project.

C and C': distance between the walls and the end luminaires. To maintain uniformity of illumination, C' will be taken as being close to C divided by 2. Thus for a luminaire spacing C of 2 m, the distance C' between the walls and the end luminaires will be 1 m.

Services

Custom products



Securlite offers you the possibility of producing custom light fittings or adapting fittings from our range.

Tell us about your project, and our Design Office will be able to offer you specific solutions to suit your requirements, whatever the quantities.

A great many special projects have already been carried out:

- Special luminaires for metro systems: Paris, Lisbon, London, ...
- Protections for embedded ground fittings: Bordeaux (Place Pey-Berland), ...
- Custom luminaires for public subways: Amsterdam, Brussels, ...
- Luminaires for prisons: Lantin (Belgium), Drammen (Norway), Hong Kong, ...
- LED luminaires for missile control centres (THALÈS).

For better architectural integration, joining panels and supports are available for converting the following fittings into corner or ceiling-mounted lighting strips:

- FILA,
- URBALINE,
- TITAN C95,
- TITAN A45 and A30,
- ALEANE.

Characteristics and quotes: please enquire.



Titan Trunking



Urbaline Trunking



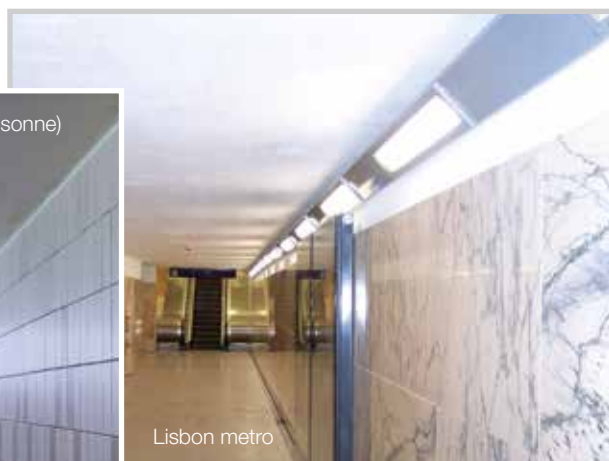
DLR (Londres)



La Défense (Paris)



Arpajon subway (Essonne)



Lisbon metro

Selection guide LED (residential)



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		Voila				Voila Asymmetric		Voila Access			Voila Access Asymmetric		Bang Round and Square			
		LED 1200	LED 1800	LED 2400	LED 3000	LED 2600	LED 3600	LED 1200	LED 2000	LED 2750	LED 2600	LED 3600	LED 1200	LED 1800	LED 2400	LED 3000
Uses / location	Indoor	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Outdoor	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Hallway / Circulation	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Stairwell		•	•	•	•	•		•	•	•	•		•	•	•
	Plant rooms	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Bulkhead fitting	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Ceiling fitting	•	•	•	•			•	•	•			•	•	•	•
Specifications	Dimensions (mm)	Ø 340 x 105				Ø 340 x 105		Ø 340 x 105			Ø 340 x 105		Round: Ø 320 x 103 Square: 308 x 308 x 103			
	Light output (lm)	1080	1500	2130	2550	2110	2920	1090	1600	2325	2114	2922	1050	1500	2100	2500
	Power (W)	9	13	18	20	16	23	10	14	19	16	23	9	13	18	20
	Luminaire efficacy (lm/W)	121	116	118	127	132	127	109	114	122	132	127	118	115	117	125
	Class (electrical)	II	II	II	II	II	II	II	II	II	II	II	II	II	II	II
	VK rating	26	26	26	26	26	26	26	26	26	26	26	36	36	36	36
	IK rating	10	10	10	10	10	10	10	10	10	10	10	11	11	11	11
	Joules (J)	20	20	20	20	20	20	20	20	20	20	20	50	50	50	50
	IP rating	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
	Functions	ON / OFF	•	•	•	•	•	•	•	•	•	•	•	•	•	•
DALI dimmable		•	•	•	•								•	•	•	•
Detection		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Detection + warning + standby		•	•	•	•	•	•		•	•	•	•	•	•	•	•
Detection + radio control		•	•	•	•	•	•						•	•	•	•
Detection + standby + radio control		•	•	•	•	•	•						•	•	•	•
Daisy-chaining		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Practical information	Max. loading Max. no. luminaires	350 W / 350 VA (max. 10 luminaires)				350 W / 350 VA (max. 10 luminaires)		100 W / 100 VA (max. 5 luminaires)			100 W / 100 VA (max. 5 luminaires)		350 W / 350 VA (max. 10 luminaires)			
	Spacing* (standard corridor) (m)	2 m	2.85 m	4 m	5 m	3.5 m	5 m	2.2 m	3.3 m	5 m	3.5 m	5 m	2.25 m	2.85 m	4 m	5 m
	Consumption per m ² * on basis of spacing	3.71 W	3.79 W	3.75 W	3.33 W	4 W	3.83 W	4.13 W	4.25 W	3.63 W	4 W	3.83 W	3.38 W	3.48 W	3.42 W	3.24 W
	Special features					Asymmetrical						Asymmetrical				

* Standard Corridor: dimensions: L 20 m x l 1.2 m x H 2.5 m with reflection coefficient 7/5/2

Consumption per m² and spacing: result obtained using the standard corridor configuration described above as per the EN 12464-1 standard (average 100 lux and uniformity 0.4)



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		Bang Round and Square Access			Bang Rectangle Access	Office					
		LED 1200	LED 2000	LED 2750	LED 1200	General lighting	General lighting Plus	Short corridors	Long corridors	Stairway	Stairway plus
Uses / location	Indoor	•	•	•	•	•	•	•	•	•	•
	Outdoor	•	•	•	•						
	Hallway / Circulation	•	•	•	•	•	•	•	•		
	Stairwell		•	•		•	•			•	•
	Plant rooms	•	•	•	•	•	•				
	Bulkhead fitting	•	•	•	•	•	•				
	Ceiling fitting	•	•	•	•	•	•	•	•	•	•
Specifications	Dimensions (mm)	Round: Ø 320 x 103 Square: 308 x 308 x 103			308 x 154 x 103	350 x 350 x 65					
	Light output (lm)	1050	1600	2300	1050	2450	3330	1400	1900	2550	3400
	Power (W)	10	14	19	9	18	25	12	17	20	27
	Luminaire efficacy (lm/W)	105	114	121	118	136	133	117	112	128	126
	Class (electrical)	II	II	II	II	II	II	II	II	II	II
	VK rating	36	36	36	36	25	25	25	25	25	25
	IK rating	11	11	11	11	10	10	10	10	10	10
	Joules (J)	50	50	50	50	20	20	20	20	20	20
	IP rating	55	55	55	55	55	55	55	55	55	55
	ON / OFF	•	•	•	•	•	•	•	•	•	•
Functions	DALI dimmable					•	•	•	•	•	•
	Detection	•	•	•	•	•	•	•	•	•	•
	Detection + warning + standby					•	•	•	•	•	•
	Detection + radio control					•	•	•	•	•	•
	Detection + standby + radio control					•	•	•	•	•	•
	Daisy-chaining	•	•	•	•	•	•	•	•	•	•
	Max. loading Max. no. luminaires	100 W / 100 VA (max. 5 luminaires)			100 W / 100 VA (max. 5 luminaires)	350 W / 350 VA (max. 10 luminaires)					
Practical information	Spacing* (standard corridor) (m)	2.25 m	2.85 m	4 m	2.2 m	5 m	5 m	4 m	5 m	-	-
	Consumption per m ² * on basis of spacing	4.43 W	4.44 W	3.36 W	3.37 W	3 W	4.17 W	2.5 W	2.83 W	-	-
	Special features					Opal			Optics		

* Standard Corridor: dimensions: L 20 m x l 1.2 m x H 2.5 m with reflection coefficient 7/5/2

Consumption per m² and spacing: result obtained using the standard corridor configuration described above as per the EN 12464-1 standard (average 100 lux and uniformity 0.4)

Selection guide LED (residential)



page 64



page 80

		Rondo			Senspot	
		LED 1800	LED 2400	LED 3000	LED 1700	LED 2200
Uses / location	Indoor	•	•	•	•	•
	Outdoor	•	•	•	•	•
	Hallway / Circulation	•	•	•	•	•
	Stairwell		•	•		
	Plant rooms	•	•	•	•	•
	Bulkhead fitting	•	•	•	•	•
	Ceiling fitting	•	•	•	•	•
Specifications	Dimensions (mm)	Ø 330 x 114			Ø 174	
	Light output (lm)	1550	2150	2550	1300	1630
	Power (W)	12	17	20	12	16
	Luminaire efficacy (lm/W)	129	126	128	108	102
	Class (electrical)	I	I	I	II	II
	VK rating	65	65	65	21 / 32 (std / AV)	21 / 32 (std / AV)
	IK rating	11 ⁺⁺	11 ⁺⁺	11 ⁺⁺	10 / 11 (std / AV)	10 / 11 (std / AV)
	Joules (J)	120	120	120	20 / 50 (std / AV)	20 / 50 (std / AV)
	IP rating	66	66	66	44 / 65 (std / AV)	44 / 65 (std / AV)
	ON / OFF	•	•	•	•	•
Functions	DALI dimmable	•	•	•	•	•
	Detection	•	•	•		
	Detection + warning + standby	•	•	•		
	Detection + radio control	•	•	•		
	Detection + standby + radio control	•	•	•	•	•
	Daisy-chaining	•	•	•	•	•
	Max. loading Max. no. luminaires	700 W / 700 VA (max. 10 luminaires)			Synchronization wire (no load) (max. 20 luminaires)	
Practical information	Spacing* (standard corridor) (m)	3.35 m	4 m	5 m	4 m	4 m
	Consumption per m ² * on basis of spacing	3 W	3.54 W	3.33 W	2.45 W	2.62 W
	Special features					

* Standard Corridor: dimensions: L 20 m x I 1.2 m x H 2.5 m with reflection coefficient 7/5/2

Consumption per m² and spacing: result obtained using the standard corridor configuration described above as per the EN 12464-1 standard (average 100 lux and uniformity 0.4)





p.33 - Voila



p.39 - Voila Asymmetric



p.43 - Voila Access



p.45 - Voila Start



p.51 - Effice
General lighting



p.51 - Effice
Corridor



p.51 - Effice
Stairway



p.57 - Bang round



p.57 - Bang rectangle
Access



p.57 - Bang Square



p.65 - Rondo



p.65 - Rondino



p.71 - Punto



p.77 - Soffite



p.81 - Senspot



p.85 - Casemate



p.89 - Enclume



p.95 - Fila 70 / 100



p.100 - Fila 2 70 / 100



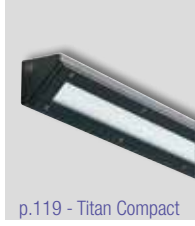
p.111 - Urbaline



p.111 - Urbaline angle



p.119 - Titan Compact



p.119 - Titan Compact



p.119 - Titan Compact



p.125 - Titan C95



p.125 - Titan E



p.125 - Titan A30



p.125 - Titan A45



p.133 - Titan Video



p.137 - Titan S



p.137 - Titan S2/S3/S4



p.141 - ASL / ESL



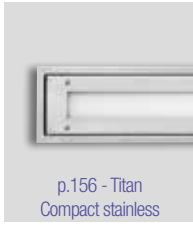
p.145 - Vauban



p.149 - Borgo



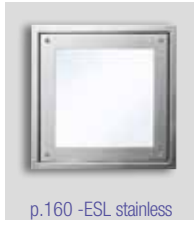
p.152 - Brikette



p.156 - Titan Compact stainless



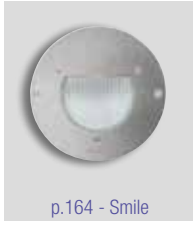
p.158 - Titan S4 stainless



p.160 -ESL stainless



p.162 - Vauban E stainless



p.164 - Smile



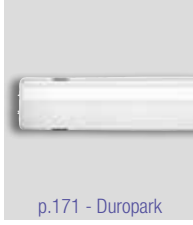
p.165 - Talk



p.169 - Rocca



p.169 - Decade



p.171 - Duropark



p.175 - Aleane



p.180 - Borgo



p.180 - Mini-Borgo



p.182 - P600 A



p.182 - P600 E

Residential Luminaires





VOILA



BVCert. 6037554



Design: Xavier Houy

Greater circular economy, higher energy-efficiency!

The Voila is an elegant, very sturdy luminaire, resulting from a constantly-improving eco-design procedure:

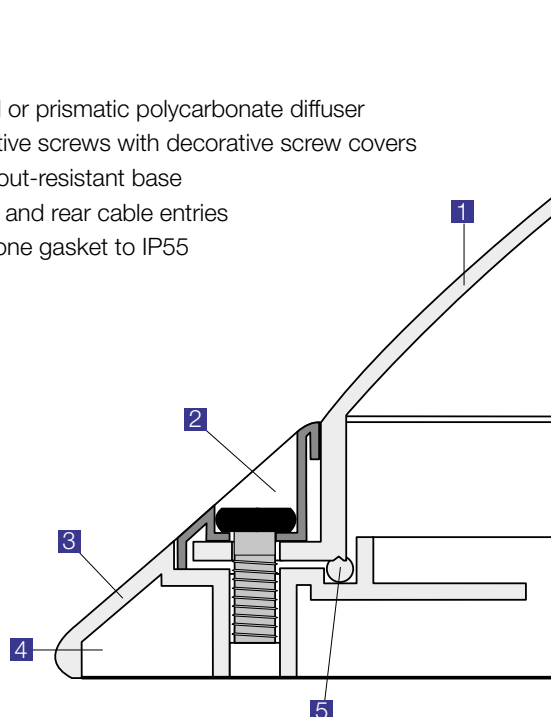
- The new LED fittings and their management system, together with the improvement in the light transmission of the polycarbonate allow an increase in luminous efficiency of approximately 20% over the previous generation.
- The whole of the Voila range now shares the characteristics of the Voila ∞ model, with a base made of recycled polycarbonate and sophisticated environmental characteristics.

The components are recyclable, repairable, and replaceable, in line with the principle of a circular economy, and thereby limit the environmental impact.

Plain or two-colour versions...



- 1 Opal or prismatic polycarbonate diffuser
- 2 Captive screws with decorative screw covers
- 3 Rip-out-resistant base
- 4 Side and rear cable entries
- 5 Silicone gasket to IP55





VOILA



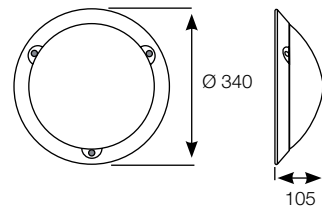
A very robust, elegant luminaire from an eco-design policy, suitable for low consumption residential buildings.



Features:



- Low-consumption architectural luminaire
- Single- or two-colour recycled polycarbonate base
- Opal polycarbonate diffuser
- Captive, stainless steel vandal-resistant screws
- Side and rear cable entries
- CCT 4000 K, CRI min. 80
- Design: Xavier Houy

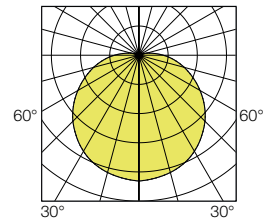


RAL9003
 RAL7035
 RAL9005

Options available on request:

- 3000 K LEDs
- Version with emergency pack
- Standby LED
- Adaptor bracket, to use existing fixings: code 98100015


Voila - Code: 1062 0400



Accessories for two-colour version:

- White screw cover RAL9003 code: **9810 0012**
- Grey screw cover RAL7035 code: **9810 0011**
- Black screw cover RAL9005 code: **9810 0003**

 Radio remote control to be ordered separately
 code: 9800 0010

 Vandal-resistant tool (bit) to be ordered separately
 code: 9800 0003

VOILA LED

 direct 106

220-240 V AC / 50/60 Hz   RoHS

LED modules	Power (W)	Luminaire light output (lm)	Luminaire efficacy (lm/W)	White	Grey	Black
LED 1200	9	1080	121	1060 04 ..	1060 34 ..	1060 24 ..
LED 1800	13	1500	116	1061 04 ..	1061 34 ..	1061 24 ..
LED 2400	18	2130	118	1062 04 ..	1062 34 ..	1062 24 ..
LED 3000	20	2550	127	1067 04 ..	1067 34 ..	1067 24 ..

Lumen maintenance: L80B10 / 72,000 hours

Coding:

replace the two dashes (--) by the corresponding figures: e.g. **1060 04 ..**

- 00** no detection
- 21** DALI dimmable + switch dimming
- 11** with detection
- 13** with Pro detection + Extinction or standby warning
- 16** with Pro detection + radio-control
- 17** with Pro detection + extinction or standby warning + radio-control
- 03** slave version + extinction or standby warning
- 07** slave version + extinction or standby warning + radio-control

VOILA E27

 direct 104

220-240 V AC / 50/60 Hz   RoHS

Designation	Base	Power (W)	White	Grey	Black
max. 60 W halo. 23 W CFLi (w/o lamp)	E27	-	1040 00 ..	1040 30 ..	1040 20 ..
LED A75 / 2700 K (c/w lamp)	E27	11	1041 03 ..	1041 33 ..	1041 23 ..

Fluorescent version: contact us

Coding:

replace the two dashes (--) by the corresponding figures: e.g. **1040 00 ..**

- 00** no detection
- 11** with detection

Additional options Voila

Coding:

add the corresponding suffix to the product code: e.g. **1060 0400**

- 9702** stainless steel crosspoint screws (VK24)



VOILA ASYMMETRIC

Design: Xavier Houy



BVCert. 6037554

VOILA LED ASYMMETRIC, the very high performance luminaire for communal areas.

The VOILA LED Asymmetric makes it possible to light your stairwells with consumption of only 23 W per fixture, i.e. 127 lm/W!

That's 15 to 30% less than the standard asymmetric bulkhead fixtures currently available on the market.

This makes it easier to comply with the PRM accessibility regulations for vertical circulation and communal areas and makes it possible to light more while consuming less. It combines light quality with energy performance, and allows aesthetic cohesion within buildings already equipped with VOILA luminaires.

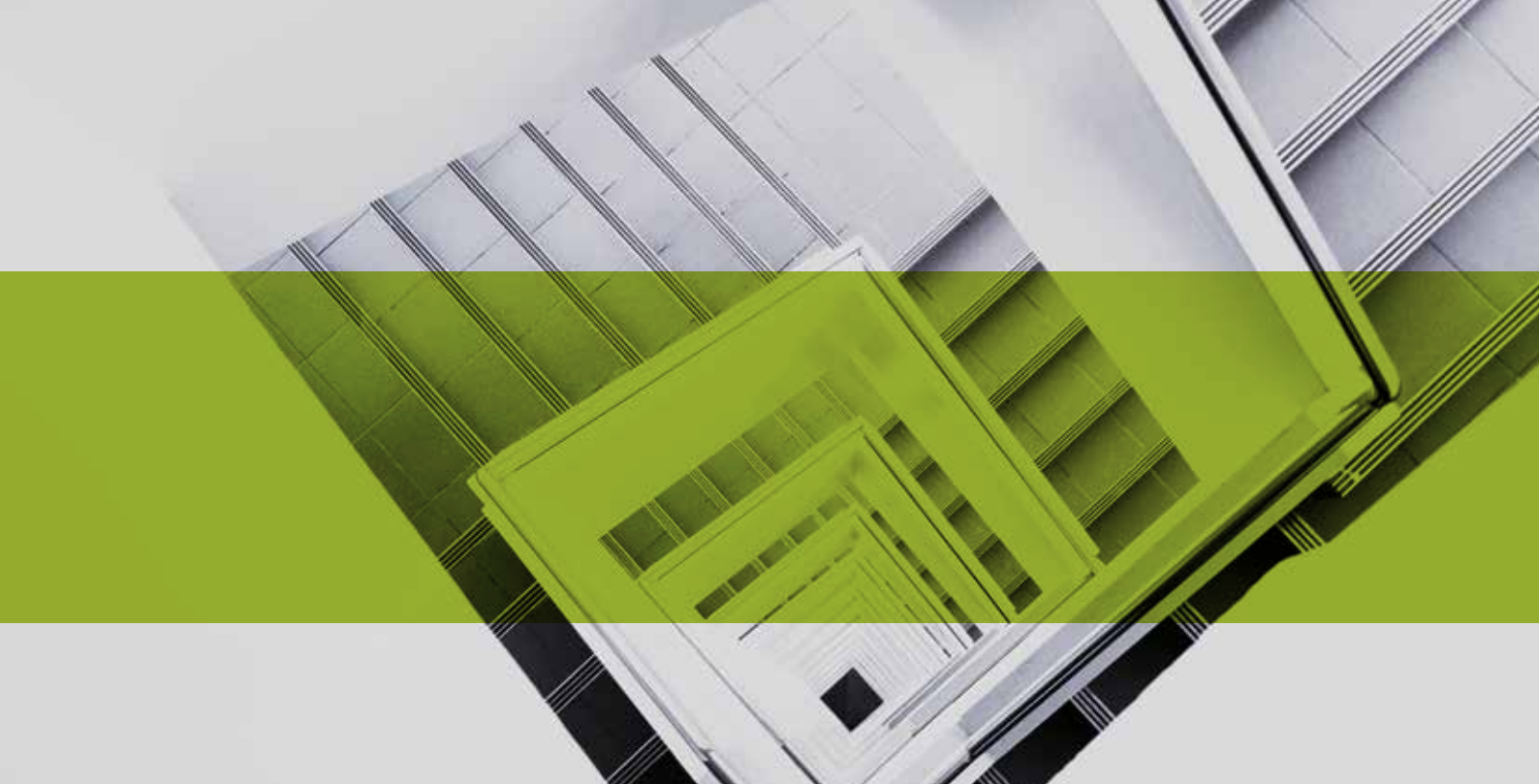
A real concentration of innovation!

- Targeted, asymmetric lighting making it possible to achieve the illuminance levels required by the PRM¹ Accessibility standard using fewer luminaires and more easily.
- Amazing performance up to 2,900 lumens output, i.e. over 120 lumens per watt!
- Lumen maintenance over 72,000 hours (L80-B10) and a 5-year guarantee.
- Smart, proven detection functions thanks to our own detector, which carries the *Origine France Garantie* quality mark: customizable warning and standby, daisy-chaining by radio link to reduce wiring, remote-controlled adjustment, etc.
- Electrical Class 2 and IK10 resistance to vandalism and ripping out.
- An eco-designed, recycled², recyclable, and repairable luminaire where every component can be removed and repaired, to be in line with a policy favouring a sustainable environment.
- Innovation and French manufacture, bearing the *Origine France Garantie* quality mark, supporting economic development in our region through our local factories, sub-contractors, and suppliers.

¹ 150 lux average required in vertical circulation areas.

² recycled polycarbonate base.





2 bulkhead fixtures per floor are enough to achieve the average 150 lux required by the PRM Accessibility regulations*.

Rectangular stairway
stairwell dimensions: 2.6 m × 4.3 m,
ceiling height 2.5 m



Spiral stairway
stairwell dimensions: 2.7 m × 2.7 m,
ceiling height 2.5 m



Voila Asymmetric 3600 lm	
Luminaire power (W)	23
Useful luminaire light output (lm)	2922
Luminaire efficacy (lm/W)	127
Maintenance factor 0.9	0.9
Coefficient of reflection	ceiling 70% wall 50% floor 20%
Average lux at floor level	> 150

* according to PRM accessibility regulations in France (PRM: people with reduced mobility).

VOILA ASYMMETRIC



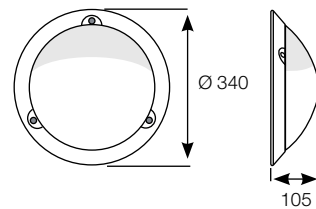
Asymmetric bulkhead fixture
for stairways and communal areas.
Special for PRM accessibility.



Features:



- Low-consumption architectural luminaire
- Single- or two-colour recycled polycarbonate base
- Opal polycarbonate diffuser
- Captive, vandal-resistant stainless screws
- Side and rear cable entries
- CCT 4000 K, CRI min. 80
- Design: Xavier Houy



RAL9003 RAL7035 RAL9005

Available option (on request):

- 3000K LEDs
- Adaptor bracket, to use existing fixings: code 98100015

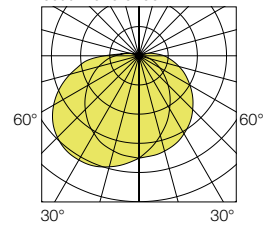
Accessories for two-colour version:



- White screw cover RAL9003
- Grey screw cover RAL7035
- Black screw cover RAL9005

code: **9810 0012**
code: **9810 0011**
code: **9810 0003**

Voila Asymmetric
Code: 1070 0400



Radio remote control to be ordered separately
code: 9800 0010



Vandal-resistant tool (bit) to be ordered separately
code: 9800 0003

VOILA Asymmetric (wall-mounted only)

 **i direct 107**

220-240 V AC / 50/60 Hz   RoHS

LED modules	Power (W)	Luminaire light output (lm)	Luminaire efficacy (lm/W)	White RAL9003	Grey RAL7035	Black RAL9005
LED 2600	16	2110	132	1071 04 ..	1071 34 ..	1071 24 ..
LED 3600	23	2920	127	1070 04 ..	1070 34 ..	1070 24 ..

Lumen maintenance: L80B10 / over 72,000 hours

Lumen maintenance: L90B50 / 52,000 hours

Coding:

replace the two dashes (-) by the corresponding figures: e.g. **1071 04 ..**

- 00** no detection
- 11** with detection
- 13** with Pro detection + extinction or standby warning
- 16** with Pro detection + radio-control
- 17** with Pro detection + extinction or standby warning + radio-control
- 03** slave version + extinction or standby warning
- 07** slave version + extinction or standby warning + radio-control

Coding:

add the corresponding suffix to the product code: e.g. **1071 0400 - - - -**

- 9702** stainless steel crosspoint screws (VK24)



VOILA ACCESS

up to
120 lm/W

A recycled, recyclable, and repairable luminaire, lighting in everyday life suitable for residential buildings.



Features:



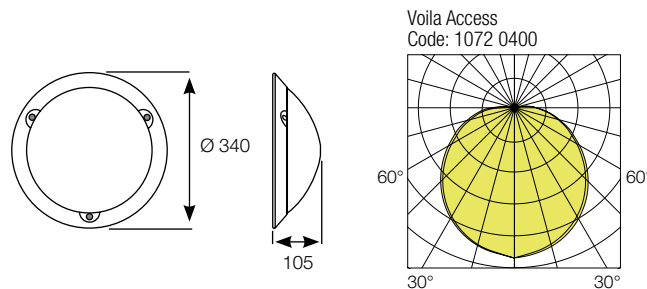
- Low-consumption architectural luminaire
- Base and screw covers made from recycled polycarbonate
- Opal polycarbonate diffuser
- Stainless steel crosspoint screws
- Side and rear cable entries
- CCT 4000 K, CRI min. 80
- Design: Xavier Houy
- 3-year guarantee

RAL9003

Available option (on request):

- Adaptor bracket, to use existing fixings: code 98100015

Vandal-resistant tool (bit) to be ordered separately code: 9800 0003



VOILA Access



220-240 V AC / 50/60 Hz RoHS

LED modules	Power (W)	Luminaire light output (lm)	Luminaire efficacy (lm/W)	White RAL9003
LED 1200	10	1090	109	1072 04 _ _
LED 2000	14	1600	114	1073 04 _ _
LED 2750	19	2330	122	1074 04 _ _

Lumen maintenance: L70B10 / 56 000 h

VOILA Access Asymmetric (wall-mounted only)



220-240 V AC / 50/60 Hz RoHS

LED modules	Power (W)	Luminaire light output (lm)	Luminaire efficacy (lm/W)	White RAL9003
LED 2600	16	2110	132	1076 04 _ _
LED 3600	23	2920	127	1075 04 _ _

Lumen maintenance: L70B10 / 56 000 h

Coding:

replace the two dashes (--) by the corresponding figures: e.g **1072 04 _ _**

- 00** no detection
- 10** with detection
- 18** with detection + extinction or standby warning (depending on version)

Additional options Voila Access

Coding:

add the corresponding suffix to the product code: e.g. **1072 0400 _ _ _ _**

- 9702** stainless steel crosspoint screws (VK24)

VOILA START



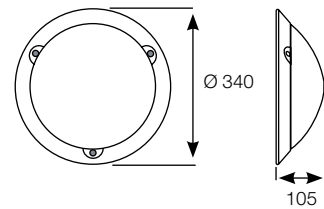
Functional luminaire specially designed to optimize lighting in communal areas.



Features:



- Low consumption luminaire
- Single-colour recycled polycarbonate base
- Clear prismatic polycarbonate diffuser
- CCT 4000 K, CRI min. 80
- Captive, stainless steel vandal-resistant screws
- Side and rear cable entries
- Design: Xavier Houy



RAL9003
 RAL7035
 RAL9005

Options available on request:

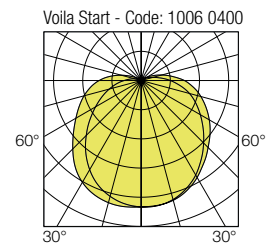
- Standby LED
- Adaptor bracket, to use existing fixings: code 98100015


Accessories for two-colour version:



- White screw cover RAL9003
- Grey screw cover RAL7035
- Black screw cover RAL9005

code: **9810 0012**
 code: **9810 0011**
 code: **9810 0003**



 Vandal-resistant tool (bit) to be ordered separately
 code: 9800 0003

VOILA START E27



220-240 V AC / 50/60 Hz RoHS

Designation	Base	Power (W)	White	Grey	Black
max. 60 W halo. 23 W CFLi (w/o lamp)	E27	-	1000 00 ..	1000 30 ..	1000 20 ..
LED A75 / 2700 K (c/w lamp)	E27	11	1001 03 ..	1001 33 ..	1001 23 ..

Fluorescent version: contact us

Coding:

replace the two dashes (--) by the corresponding figures: e.g. **1000 00** ..

00 no detection
11 with detection

Additional options Voila Start

Coding:

add the corresponding suffix to the product code: e.g. **1003 0400**

9702 stainless steel crosspoint screws (VK24)



EFFICE®

more than a luminaire, it's a concept...



Effice® allows you to light just the right way, in the right place, and at the right moment...
Our challenge: the right light level, in the right place,
driven by high-performance, energy-saving electronics.



Effice® is the smallest possible number of fittings, the lowest possible consumption, with maximum comfort and safety.

Effice is easy to install in a master / slave system. Each luminaire operates on a stand-alone basis. Thanks to radio-controlled synchronization, there's no longer any need to run special wiring between the luminaires.

- ↘ Effice® means a very elegant square housing, restrained, timeless, and highly impact resistant: IK10 / 20 J and VK25.
- ↘ Effice® means high-performance light sources...
 - Different Powers of LED modules to suit premises,
 - Samsung mid-power LEDs,
 - LED modules with nominal efficiency of over 190 lm/W.
- ↘ Effice® means lighting targeted to suit the premises.
 - Optics specially developed around the LED,
 - Symmetric, oblong optics for corridors,
 - Asymmetric optics for stairwells.
- ↘ Effice® means control systems to reduce the energy bill.
 - Compatible with the DALI protocol,
 - Optimum management by our ultra-high performance SENSEI® detectors,
 - > Microwave ON / OFF,
 - > Microwave with extinction warning and standby,
 - > Microwave with remote-control settings.

Light spot-on thanks to an eco-designed luminaire.

Light output targeted and suited to the type of application, extinction warning, wireless communication mode, remote-controlled settings, etc.

The Effice luminaire will astound you by its performance and ease of use.

EFFICE® is available for 3 types of application:

- **General lighting** (opal diffuser and LEDs without optics),
- **Stairways** (clear diffuser, LEDs with asymmetric optics),
- **Corridors** (clear diffuser, LEDs with symmetric optics).

Maximum energy efficiency.

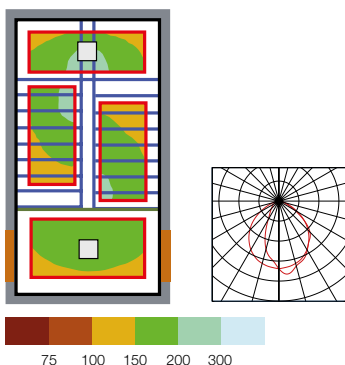
Effice® is an eco-designed luminaire suitable for various different applications, for better illumination with reduced power consumption. For an equivalent, standards-compliant result in terms of illumination level and uniformity...

Up to 70% fewer luminaires to install.
Up to 70% energy saving.



Effice® for stairways

Lighting calculations:
stairway for average 150 lux*, in 4000 K



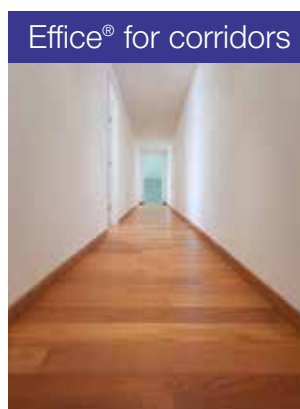
4.3 m x 2.6 m, ceiling height 2.5 m and stairwell height 10.6 m, simulation for a 4-storey building, one ceiling fitting on each landing + one on each half-landing.

- > 150 lux average
- uniformity > 0.69
- UGR 20

The standard requires: 150 lux average

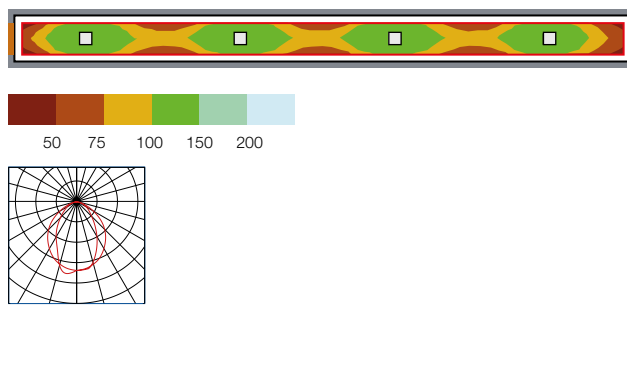
- uniformity 0.4
- UGR ≤ 25

Stairways	Number of fittings	Installed power	Power per m ² for 100 lux
Voila LED 2400 lm	10	180 W	3.6 W
Voila fluo 32 W	14	504 W	10.2 W
Effice for stairways	7	140 W	2.8 W



Effice® for corridors

Lighting calculations:
long corridor for average 100 lux, in 4000 K



20 m x 1.5 m, ceiling height 2.5 m, 4 ceiling fittings at 5 m spacing.

- 105 lux average (50 lux min.)
- uniformity 0.48
- UGR 22

The standard requires: 100 lux average

- uniformity 0.4
- UGR ≤ 28

Corridors	Number of fittings	Installed power	Power per m ² for 100 lux
Voila LED 1800 lm	7	91 W	2.8 W
Voila fluo 32 W	7	216 W	7.2 W
Effice for corridors	4	68 W	2.16 W

* according to PRM accessibility regulations in France ((PRM: people with reduced mobility).

EFFICE®



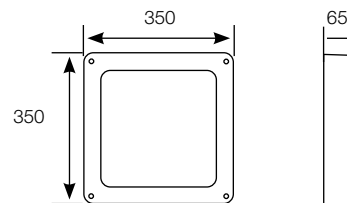
High-efficiency directed-light luminaire for residential premises and public-access buildings.



Features:




- Recycled polycarbonate base
- Diffuser: opal (General Lighting version) or clear (Corridor and Stairway versions)
- LED module with or without optics
- Side cable entry possible (with knockout)
- Captive, stainless steel vandal-resistant screws
- CCT 4000 K, CRI min. 80




□ RAL9003 ■ RAL7043

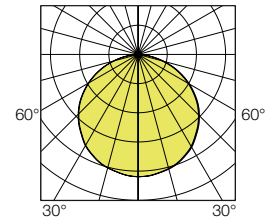
Options available on request:

- 3000 K LEDs
- Version with emergency pack
- Adaptor bracket, to use existing fixings: code 98200008

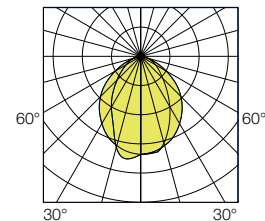
 Vandal-resistant tool (bit) to be ordered separately
code: 9800 0003

 Radio remote control to be ordered separately
code: 9800 0010

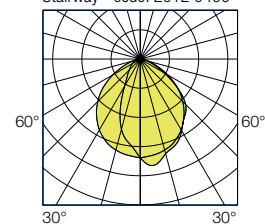
General lighting
code: 2000 0400



Corridor code: 2011 0400



Stairway - code: 2012 0400



EFFICE FOR GENERAL LIGHTING

 direct 200

220-240 V AC / 50/60 Hz   RoHS

Designation	Power (W)	Luminaire light output (lm)	Luminaire efficacy (lm/W)	White	Grey
Effice for general lighting	18	2450	136	2000 04 ..	2000 14 ..
Effice for general lighting "plus"	25	3330	133	2001 04 ..	2001 14 ..

Lumen maintenance: L80B10 / over 72,000 hours

Coding:

replace the two dashes (..) by the corresponding figures: e.g. 2000 04 ..

- 00 no detection
- 21 DALI dimmable + switch dimming
- 11 with detection
- 13 with Pro detection + extinction or standby warning
- 16 with Pro detection + radio-control
- 17 with Pro detection + extinction or standby warning + radio-control
- 03 slave version + extinction or standby warning
- 07 slave version + extinction or standby warning + radio-control

EFFICE FOR CORRIDOR ceiling mounting only

 direct 201

220-240 V AC / 50/60 Hz   RoHS

Designation	Power (W)	Luminaire light output (lm)	Luminaire efficacy (lm/W)	White	Grey
Effice short corridor ¹	12	1400	117	2010 04 ..	2010 14 ..

Designation	Power (W)	Luminaire light output (lm)	Luminaire efficacy (lm/W)	White	Grey
Effice long corridor ²	17	1900	112	2011 04 ..	2011 14 ..

Lumen maintenance: L80B10 / over 72,000 hours

¹ short / complex corridors (optimum luminaire spacing: 4 m)

² long corridors (optimum luminaire spacing: 5 m)

Coding:

replace the two dashes (..) by the corresponding figures: e.g. 2010 04 ..

- 00 no detection
- 21 DALI dimmable + switch dimming
- 11 with detection
- 13 with Pro detection + extinction or standby warning
- 16 with Pro detection + radio-control
- 17 with Pro detection + extinction or standby warning + radio-control
- 03 slave version + extinction or standby warning
- 07 slave version + extinction or standby warning + radio-control

EFFICE STAIRWAY ceiling mounting only

 direct 201

220-240 V AC / 50/60 Hz   RoHS

Designation	Power (W)	Luminaire light output (lm)	Luminaire efficacy (lm/W)	White	Grey
Effice stairway	20	2550	128	2012 04 ..	2012 14 ..
Effice stairway "plus"	27	3400	126	2013 04 ..	2013 14 ..

Lumen maintenance: L80B10 / over 72,000 hours

Coding:

replace the two dashes (..) by the corresponding figures: e.g. 2012 04 ..

- 00 no detection
- 21 DALI dimmable + switch dimming
- 11 with detection
- 13 with Pro detection + extinction or standby warning
- 16 with Pro detection + radio-control
- 17 with Pro detection + extinction or standby warning + radio-control
- 03 slave version + extinction or standby warning
- 07 slave version + extinction or standby warning + radio-control

Additional options Effice

Coding:

add the corresponding suffix to the product code: e.g. 2000 0400

- 9702 stainless steel crosspoint screws (VK24)



BANG



BVCert. 6037554



The Bang is an architectural luminaire designed for residential and public spaces: schools, sports clubs, hotel establishments, etc. Its exceptional impact resistance – up to 50 joules – makes it an original luminaire ideally suited to environments subject to severe vandalism.

Stronger:

- Strength IK11 / 50 joules,
- Double skin,
- Tamper-resistant fastenings.

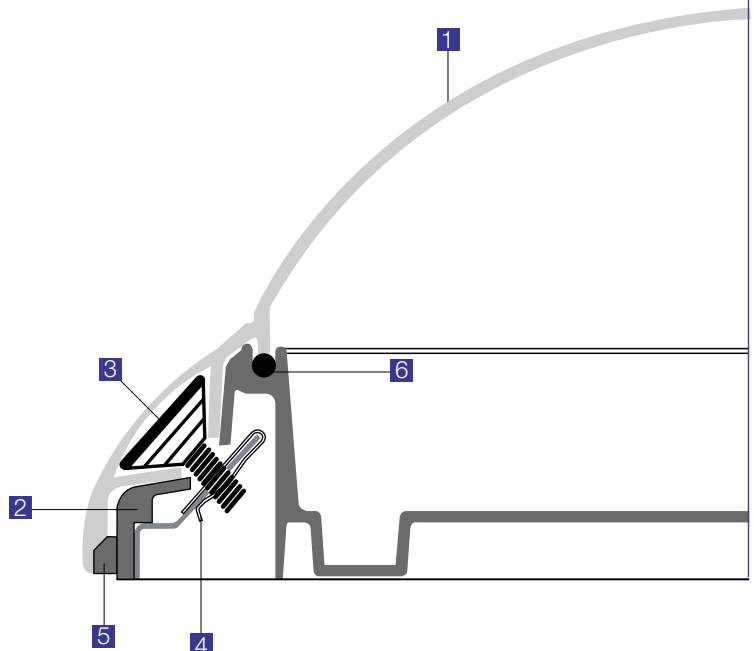
Greater savings:

- LED sources,
- Microwave motion sensor,
- High-efficiency electronic ballasts.

More colours:

- Choice of three colours,
- RAL and special colours on request.

- 1 Non-reflective polycarbonate diffuser
- 2 Coloured base protected by the diffuser
- 3 Tamper-proof fastenings and large decorative washers
- 4 Removable back-nut (easy maintenance)
- 5 Rip-out-resistant base
- 6 Silicone gasket to IP55

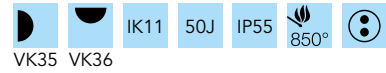




BANG
IK11 / 50 J



An original luminaire ideally suited to environments subject to vandalism, thanks to its exceptional impact resistance, up to 50 joules IK11.




Features:


- Low-consumption vandal-resistant architectural luminaire
- Increased strength IK11 50 J
- Reinforced polyamide base
- Opal polycarbonate diffuser (for LED version)
- Frosted clear polycarbonate diffuser (E27 versions)
- CCT 4000 K, CRI min. 80
- Stainless steel vandal-resistant screws
- Decorative polycarbonate washers

RAL9003
 RAL9006
 RAL9005
 Opal

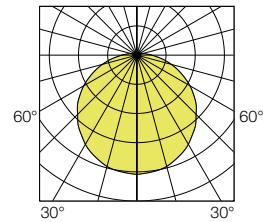
Options available on request:

- 3000 K LEDs
- Standby LED
- Other RAL colours

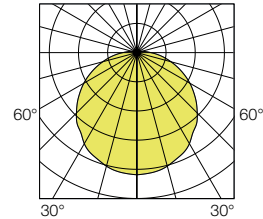
 Vandal-resistant tool (bit) to be ordered separately
 code: 9800 0003

 Radio remote control to be ordered separately
 code: 9800 0010

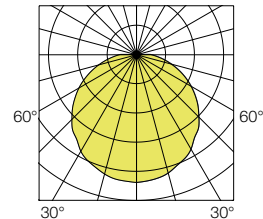
Bang Round
code: 1561 0400

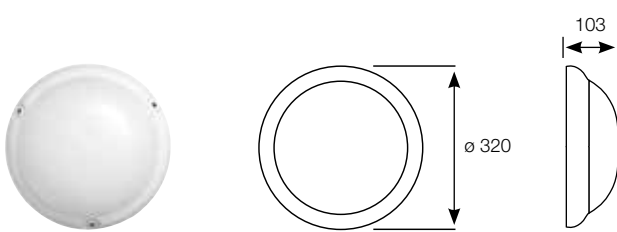


Bang Square
code: 1662 0400



Bang Rectangle
code: 1691 0400





BANG ROUND LED

direct 156

220-240 V AC / 50/60 Hz RoHS

LED modules	Power (W)	Luminaire light output (lm)	Luminaire efficacy (lm/W)	Opal
LED 1200	9	1050	118	1560 04 ..
LED 1800	13	1500	115	1561 04 ..
LED 2400	18	2100	117	1562 04 ..
LED 3000	20	2500	125	1564 04 ..

Lumen maintenance: L80B10 / 72,000 hours

Coding:

replace the two dashes (--) by the corresponding figures: e.g. **1560 04 ..**

- 00** no detection
- 21** DALI dimmable + switch dimming
- 11** with detection
- 13** with Pro detection + extinction or standby warning
- 16** with Pro detection + radio-control
- 17** with Pro detection + extinction or standby warning + radio-control
- 03** slave version + extinction or standby warning
- 07** slave version + extinction or standby warning + radio-control

BANG ROUND ACCESS

direct 156

220-240 V AC / 50/60 Hz RoHS

LED modules	Power (W)	Luminaire light output (lm)	Luminaire efficacy (lm/W)	Opal
LED 1200	10	1050	105	1565 04 ..
LED 2000	14	1600	114	1566 04 ..
LED 2750	19	2300	121	1567 04 ..

Lumen maintenance: L70B10 / 56,000 hours

3-year guarantee

Coding:

replace the two dashes (--) by the corresponding figures: e.g. **1565 04 ..**

- 00** no detection
- 10** with detection

BANG ROUND E27

direct 150

220-240 V AC / 50/60 Hz RoHS

Designation	Base	Power (W)	White	Grey	Black
max. 60 W halo. 23 W CFLi w/o lamp	E27	-	1500 00 ..	1500 10 ..	1500 20 ..
LED A75 / 2700 K c/w lamp	E27	11	1501 03 ..	1501 13 ..	1501 23 ..

Fluorescent version: contact us

Coding:

replace the two dashes (--) by the corresponding figures: e.g. **1500 00 ..**

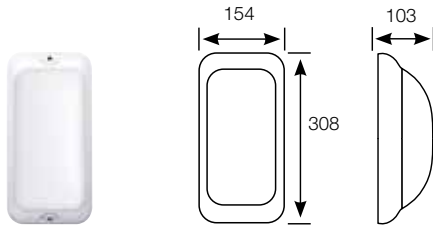
- 00** no detection
- 11** with detection

Additional options Bang Round

Coding:

add the corresponding suffix to the product code: e.g. **1560 0400 ..**

- 9406** opal PC diffuser (E27 version)
- 9702** stainless steel crosspoint screws (VK34)



BANG RECTANGLE LED ACCESS

direct 169

220-240 V AC / 50/60 Hz **RoHS**

LED modules	Power (W)	Luminaire light output (lm)	Luminaire efficacy (lm/W)	Opal
LED 1200	9	1050	118	1691 04_..

Lumen maintenance: L70B10 / 56,000 hours
3-year guarantee

Coding:

replace the two dashes (--) by the corresponding figures: e.g. **1691 04_..**

- 00** no detection
- 11** with detection

BANG RECTANGLE E27

direct 168

220-240 V AC / 50/60 Hz **RoHS**

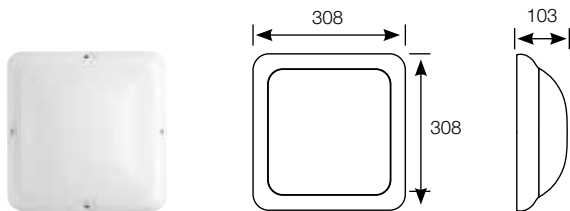
Designation	Base	Power (W)	White	Grey	Black
max. 15 W CFLi (w/o lamp)	E27	-	1680 0000	1680 1000	1680 2000
LED A75 / 2700 K (c/w lamp)	E27	11	1681 0300	1681 1300	1681 2300

Additional options Bang Rectangle

Coding:

add the corresponding suffix to the product code: e.g. **1691 0400_....**

- 9406** opal PC diffuser (E27 version)
- 9702** stainless steel crosspoint screws (VK34)



BANG SQUARE LED

direct 166

220-240 V AC / 50/60 Hz RoHS

LED modules	Power (W)	Luminaire light output (lm)	Luminaire efficacy (lm/W)	Opal
LED 1200	9	1050	118	1660 04 _ _
LED 1800	13	1500	115	1661 04 _ _
LED 2400	18	2100	117	1662 04 _ _
LED 3000	20	2500	125	1664 04 _ _

Lumen maintenance: L80B10 / 72,000 hours

Coding:

replace the two dashes (--) by the corresponding figures: e.g. **1660 04 _ _**

- 00** no detection
- 21** DALI dimmable + switch dimming
- 11** with detection
- 13** with Pro detection + extinction or standby warning
- 16** with Pro detection + radio-control
- 17** with Pro detection + extinction or standby warning + radio-control
- 03** slave version + extinction or standby warning
- 07** slave version + extinction or standby warning + radio-control

BANG SQUARE ACCESS

direct 166

220-240 V AC / 50/60 Hz RoHS

LED modules	Power (W)	Luminaire light output (lm)	Luminaire efficacy (lm/W)	Opal
LED 1200	10	1050	105	1665 04 _ _
LED 2000	14	1600	114	1666 04 _ _
LED 2750	19	2300	121	1667 04 _ _

Lumen maintenance: L70B10 / 56,000 hours

3-year guarantee

Coding:

replace the two dashes (--) by the corresponding figures: e.g. **1665 04 _ _**

- 00** no detection
- 11** with detection

BANG SQUARE E27

direct 160

220-240 V AC / 50/60 Hz RoHS

Designation	Base	Power (W)	Opal		
			White	Grey	Black
max. 60 W halo. 23 W CFLi w/o lamp	E27	-	1600 00 _ _	1600 10 _ _	1600 20 _ _
LED A75 / 2700 K c/w lamp	E27	11	1601 03 _ _	1601 13 _ _	1601 23 _ _

Fluorescent version: contact us

Coding:

replace the two dashes (--) by the corresponding figures: e.g. **1600 00 _ _**

- 00** no detection
- 11** with detection

Additional options Bang Square

Coding:

add the corresponding suffix to the product code: e.g. **1660 0400 _ _ _ _**

- 9406** opal PC diffuser (E27 version)
- 9702** stainless steel crosspoint screws (VK34)



RONDO



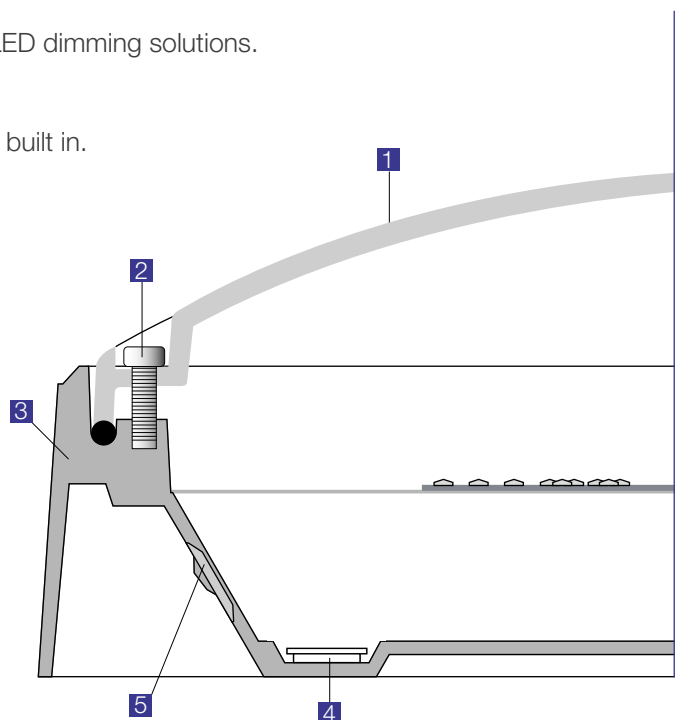
Design: Xavier Houy

Rondo, the luminaire with a timeless look, that's designed to last.

Surface or flush mounted, the most powerful and robust of the architectural luminaires for communal areas in residential properties and outdoors.

- ↘ **More powerful**
Up to 3000 lm.
- ↘ **More efficient**
Thanks to its lighting management: DALI ballasts and LED dimming solutions.
- ↘ **Greater savings**
With the new Sensor Pro detectors or twilight switches built in.

- 1 3.5 mm polycarbonate diffuser (120 J)
- 2 Vandal resistant screws
- 3 Marine-grade aluminium rip-out-resistant skirt
- 4 Supplied c/w sealing washers
- 5 Knock-out cable entries (2 sides, 1 central)





RONDO
IK11++ / 120 J



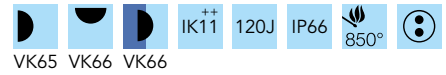
Surface or flush mounted,
the most powerful and robust
of the architectural luminaires.



Rondo

Rondino

Features:



- Architectural luminaire, 120-joules resistance
- Available in two sizes
- Die-cast marine-grade aluminium base
- Opal polycarbonate diffuser
- CCT 4000 K, CRI min. 80
- Stainless steel vandal-resistant screws
- Plug-in gear tray

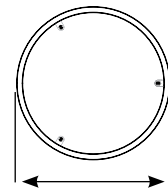
RAL9005
 RAL9016
 RAL9006

Options available on request:

- 3000 K LEDs
- Version with emergency pack
- Standby LED
- Class 2
- Twilight photocell

Vandal-resistant tool (bit) to be ordered separately
code: 9800 0003

Radio remote control to be ordered separately
code: 9800 0010

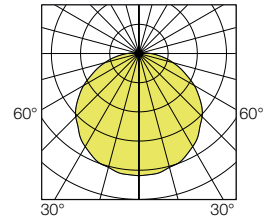


ø 330 mm (Rondo)
 ø 270 mm (Rondino)

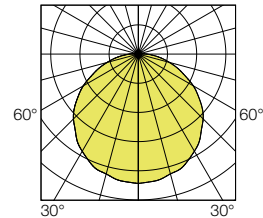


114 mm (Rondo)
 97 mm (Rondino)

Rondo - code: 2520 0400



Rondino - code: 2560 0400



LED modules	Power (W)	Luminaire light output (lm)	Luminaire efficacy (lm/W)	White	Grey	Black
LED 1800	12	1550	129	2520 04 ..	2520 14 ..	2520 24 ..
LED 2400	17	2150	126	2523 04 ..	2523 14 ..	2523 24 ..
LED 3000	20	2550	128	2522 04 ..	2522 14 ..	2522 24 ..

Lumen maintenance: L80B10 / 72,000 hours

Fluorescent version: contact us

Coding:

replace the two dashes (--) by the corresponding figures: e.g. **2520 04 ..**

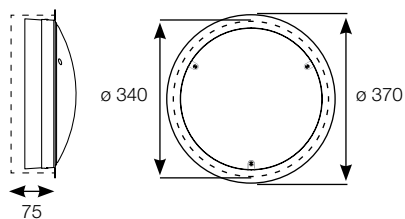
- 00** no detection
- 21** DALI dimmable + switch dimming
- 12** with Pro detection
- 13** with Pro detection + extinction or standby warning
- 16** with Pro detection + radio-control
- 17** with Pro detection + extinction or standby warning + radio-control
- 03** slave version + extinction or standby warning
- 07** slave version + extinction or standby warning + radio-control

Additional options Rondo

Coding:

add the corresponding suffix to the product code: e.g. **2520 0400**

- 9702** standard crosspoint screws
- 9802** flush-mounting version



Flush-mounting dimensions:
Rondo: \varnothing 340 mm x 75 mm

LED modules	Power (W)	Luminaire light output (lm)	Luminaire efficacy (lm/W)	White	Grey	Black
LED 1200	9	900	100	2561 04 ..	2561 14 ..	2561 24 ..
LED 2000	13	1450	112	2560 04 ..	2560 14 ..	2560 24 ..
LED 3000	20	2100	105	2562 04 ..	2562 14 ..	2562 24 ..

Lumen maintenance: L80B10 / 72,000 hours

Fluorescent version: contact us

Coding:

replace the two dashes (--) by the corresponding figures: e.g. **2561 04 ..**

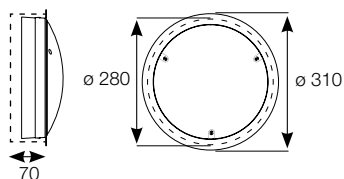
- 00** no detection
- 21** DALI dimmable + switch dimming
- 12** with Pro detection
- 13** with Pro detection + extinction or standby warning
- 16** with Pro detection + radio-control
- 17** with Pro detection + extinction or standby warning + radio-control
- 03** slave version + extinction or standby warning
- 07** slave version + extinction or standby warning + radio-control

Additional options Rondino

Coding:

add the corresponding suffix to the product code: e.g. **2561 0400 ----**

- 9702** standard crosspoint screws
- 9802** flush-mounting version



Flush-mounting dimensions:
Rondino: ø 280 mm x 70 mm

Rondino accessories



Aki grille



Akita grille



Rueda grille

Designation	White	Grey	Black
AKI grille kit	9825 0003	9825 0002	9825 0001
AKITA grille kit	9825 0006	9825 0005	9825 0004
RUEDA grille kit	9825 0009	9825 0008	9825 0007

The accessories kits must be ordered separately.





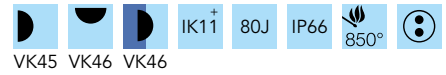
PUNTO



Outdoor architectural luminaire
for enhancing public spaces.



Features:





- High-power luminaire
- Die-cast marine-grade aluminium base
- Opal polycarbonate diffuser
- CCT 4000 K, CRI min. 80
- Stainless steel vandal-resistant screws
- Plug-in gear tray

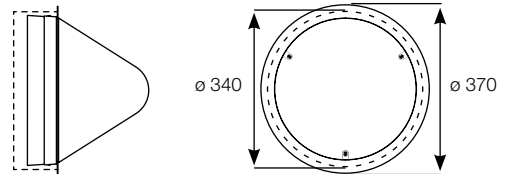
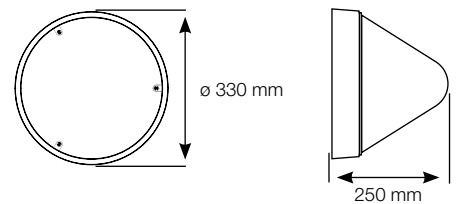
RAL9005
 RAL9016
 RAL9006

Options available on request:

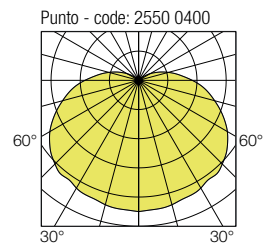
- 3000 K LEDs
- Version with emergency pack
- Standby LED
- Class 2
- Twilight photocell

 Vandal-resistant tool (bit) to be ordered separately
code: 9800 0003

 Radio remote control to be ordered separately
code: 9800 0010



Flush-mounting dimensions:
ø 340 mm x 75 mm



LED modules	Power (W)	Luminaire light output (lm)	Luminaire efficacy (lm/W)	White	Grey	Black
LED 2400	17	2050	121	2551 04 ..	2551 14 ..	2551 24 ..
LED 3000	20	2450	129	2552 04 ..	2552 14 ..	2552 24 ..

Lumen maintenance: L80B10 / 72,000 hours

Coding:

replace the two dashes (--) by the corresponding figures: e.g. **2551 04 ..**

- 00** no detection
- 21** DALI dimmable + switch dimming
- 12** with Pro detection
- 13** with Pro detection + extinction or standby warning
- 16** with Pro detection + radio-control
- 17** with Pro detection + extinction or standby warning + radio-control
- 03** slave version + extinction or standby warning
- 07** slave version + extinction or standby warning + radio-control

Fluorescent version: please contact us.

Additional options Punto

Coding:

add the corresponding suffix to the product code: e.g. **2551 0400**

- 9702** stainless steel crosspoint screws (VK44)
- 9802** flush-mounting version

Accessories Punto



Izu grille



Izumi grille



Santa grille



Buda grille

Designation	White	Grey	Black
IZU grille kit	9825 0012	9825 0011	9825 0010
IZUMI grille kit	9825 0015	9825 0014	9825 0013
SANTA grille kit	9825 0018	9825 0017	9825 0016
BUDA grille kit	9825 0021	9825 0020	9825 0019

The accessories kits must be ordered separately.



SOFFITE



BVCert. 6037554

Discreet and original, the Soffite is a particularly ingenious angle luminaire that can be adapted to your projects.

The various modules can be put together in such a way as to create a lighting strip between wall and ceiling, or vertically in a corner. The Soffite is fitted with very low consumption sources.

- ↘ **Elegant**
With a slender 90 mm footprint and only 80 mm angle protrusion at 45°, the Soffite is particularly discreet!
- ↘ **Economic**
Save power thanks to the LED sources, the presence detection, or the dimmable ballasts!
- ↘ **Practical**
Easy to fit, it allows the supply cables to pass at the rear and protects access to the lamps via an ingenious locking system.



Have your Soffite made to measure

Determine the desired length.
Minimum 615 mm, maximum 1,475 mm.
Outside these dimensions, please enquire.

Send us your specifications.

However, certain options (detectors, batteries, etc.) may create non-illuminating zones, which will be indicated to you.

Together, we validate your project.
Prior to final confirmation, we send you a drawing, a quote, and a delivery lead time.

You will receive a bespoke Soffite luminaire specific to your architectural project.



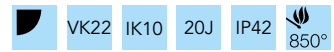
SOFFITE



An ingenious, discreet,
angle luminaire, designed
to form a line of light and be
adapted to all your projects.



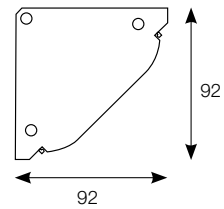
Features:



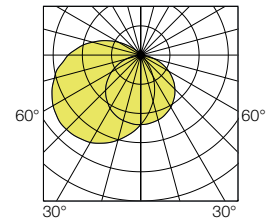
- Decorative luminaire for corner-mounting
- Body and end caps in white lacquered aluminium
- Opal polycarbonate diffuser
- CCT 4000 K, CRI min. 80
- Twin rear cable entries


Options available on request:


- 3000 K LEDs
- Standby LED



Soffite - code: 3019 0400



 Tamper-proof tool (pliers) to be ordered separately
code: 9800 0009

 Radio remote control to be ordered separately
code: 9800 0010

SOFFITE LED

i direct 301

220-240 V AC / 50/60 Hz   RoHS

Length (mm)	Length with detection (mm)	Power (W)	Luminaire light output (lm)	Luminaire efficacy (lm/W)	Code
615	760	12	1330	111	3015 04 --
		18	2270	126	3016 04 --
915	1060	14	1680	120	3017 04 --
		26	3250	125	3018 04 --
1195	1340	18	2350	131	3019 04 --
		33	4240	128	3020 04 --
1475	1620	26	3340	128	3021 04 --
		41	5340	130	3022 04 --

Lumen maintenance: L80B10 / over 72,000 hours

Lumen maintenance: L90B50 / 52,000 hours

Fluorescent version: contact us

Coding:

replace the two dashes (--) by the corresponding figures: e.g. **3015 04 --**

- 00** no detection
- 21** DALI dimmable + switch dimming
- 12** with Pro detection
- 14** with Pro detection + extinction warning
- 15** with Pro detection + standby warning
- 16** with Pro detection + radio-control
- 04** slave version + extinction warning
- 05** slave version + standby warning

Additional options Soffite

Coding:

add the corresponding suffix to the product code: e.g. **3015 0400 -----**

- 9801** in-line fitting (left- and right-hand ends open)
- 9803** in-line fitting (right-hand end open)
- 9804** in-line fitting (left-hand end open)



SENSPOT IP44 / IP65



Extra-compact LED downlight with detection

Design: agence PM design

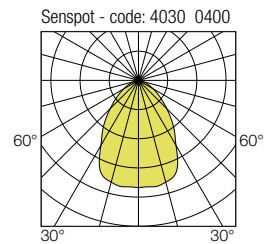


Vandal-resistant version
IK11 50J



Features:

- Impact-resistant flush-mounting spot
- Vandal-resistant version IK11 50 J: secure closure through Torx + pin screws
- White polyester lacquered zamak bezel RAL9016
- Clear polycarbonate diffuser
- White polycarbonate reflector
- CCT 4000 K, CRI min. 80
- Remote-control detector adjustment
- Separate power supply
- Suitable for outdoor environments (IP65)
- Connection type:
IP44 version: remote IP20 power supply
IP65 version: remote IP20 power supply in sealed box

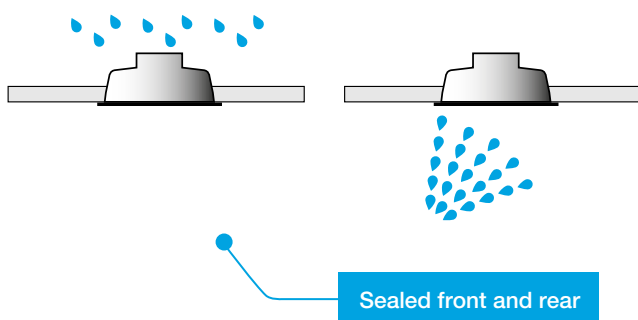


- RAL9016 (standard ring colour)
- RAL7035 (other ring colours on request)
- RAL9005 (other ring colours on request)

Options available on request:

- LED 3000 K
- Square adaptor kit for replacing old Sécurilite downlight with a Senspot: **code 98403003**
- Round adaptor kit for replacing old Sécurilite downlight with a Senspot: **code 98403004**
- Back box for use in concrete - Senspot IP44 : **code 98403002**
- Back box for use in concrete - Senspot IP65 : **code 98403001**

- Radio remote control to be ordered separately
code: 9800 0010
- Torx + pin bit for vandal-resistant Senspot to be ordered separately.
Code: 9800 0012



LED modules	Power (W)	Luminaire light output (lm)	Luminaire efficacy (lm/W)	Standard code 20 J	Vandal-resistant code 50 J
LED 1700	12	1300	108	4030 04 ..	4040 04 ..
LED 2200	16	1630	102	4031 04 ..	4041 04 ..

Lumen maintenance: L80B10 / over 72,000 hours

SENSPOT LED IP44

LED modules	Power (W)	Luminaire light output (lm)	Luminaire efficacy (lm/W)	Standard code 20 J	Vandal-resistant code 50 J
LED 1700	12	1300	108	4035 04 ..	4045 04 ..
LED 2200	16	1630	102	4036 04 ..	4046 04 ..

Lumen maintenance: L80B10 / over 72,000 hours

Coding:

replace the two dashes (..) by the corresponding figures: e.g. **4030 04 ..**

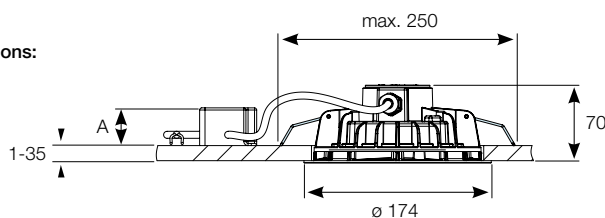
- 00** no detection
- 03** slave version + extinction or standby warning
- 21** DALI dimmable + switch dimming + standby warning
- 43** with Pro detection + remote-adjustable extinction or standby warning

Standard version



Flush-mounting dimensions:
ø 160

IP44 A : 33 mm
IP65 A : 70 mm

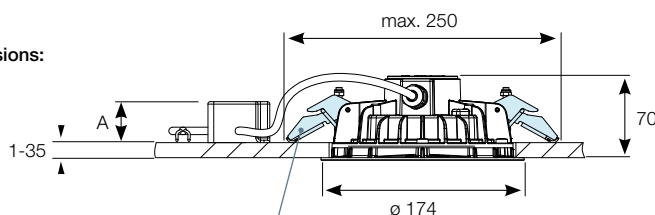


Vandal-resistant version

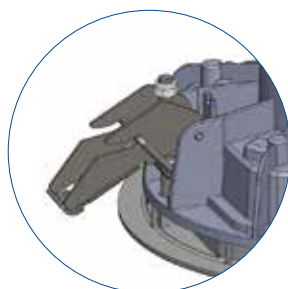


Flush-mounting dimensions:
ø 160

IP44 A : 33 mm
IP65 A : 70 mm



Rip-out resistant fastenings with
vandal-resistant screws





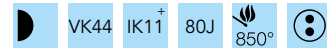
CASEMATE



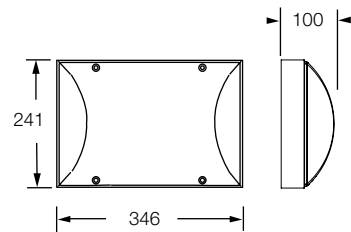
Universal protection
for emergency lighting units
in car-parks and public spaces.




Features:

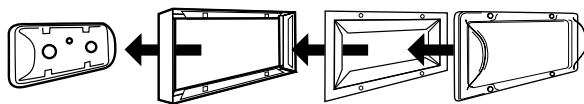


- Universal protection for emergency lighting units
- White lacquered steel structure treated against corrosion
- Extra-thick braced crystal polycarbonate diffuser
- Flexible internal reflector
- Suits dimensions of various self-contained lighting units and luminaires with central light source
- Stainless tamper-resistant screws



□ RAL9003

 Vandal-resistant tool (bit) to be ordered separately
code: 9800 0003



Existing emergency lighting unit on wall

The Casemate's rear opening allows it to be installed directly over the emergency lighting unit without needing to remove it!

Flexible reflector and extra-thick polycarbonate diffuser

The Casemate protects existing emergency lighting units on the market



	Code
Casemate	9801 0001
Casemate height 120 mm	9801 0002

LCIE Test Report no. 19017020
The CASEMATE protector respects the photometric characteristics of the emergency lighting units, in accordance with the requirements of Article 22.16 of the NF EN 60598-2-22 standard from July 1992.

ABAKX	LDE 400, LDE 45, LDE DBR, LDE 10, LDE 50 LD DUAL, LSC 45, LSC 500
KAUFEL	BRIO ECO 3, BRIO +, BRIO PRIMO 3, PRIMO +
LEGRAND	625 25 / 50 / 60, 625 26 / 52 (Casemate 120)
LUMINOX	LUM16179, LUM16025
URA	110 000, 111 000 / 001, 112 000 / 001, 113 000 / 010, 121 003 / 420 / 430, 123 450, 956 318 / 930
ZEMPER	FVS 1602 T, LDM 3101 XP, LDM 2082 T / LDM 3017 T

Other models of self-contained and centrally-powered emergency units: please enquire.
All products and names mentioned are trademarks of their respective owners.



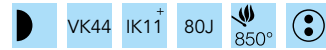
ENCLUME



Vandal-resistant protection
for your switches
in communal areas.




Features:



- Protection for time-switch push-buttons
- 2 mm ZP steel
- Powder-coated paint finish in Ivory RAL 1015
- Flexible, 18/10 stainless (304L) translucent mesh
- Theft-resistant screws: 4 special 18/10 stainless screws
- Metal expanding plugs supplied *

* Not suitable for hollow partition walls

 RAL1015

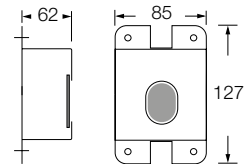
 Vandal-resistant tool (bit) to be ordered separately
code: 9800 0002



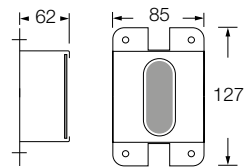
9801 0006	For surface-mount PLEXO™ push-button 697.20 / 697.22 / 697.23
9801 0007	For surface-mount PLEXO™ 2-way switch 697.10 / 697.11 / 697.12 / 697.13
9801 0010	For 2-way switch

Other models of switches or push-buttons: please enquire.
All products and names mentioned are trademarks of their
respective owners.

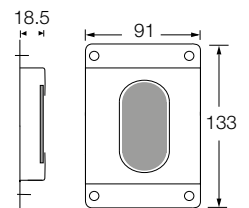
Code:
9801 0006



Code:
9801 0007



Code:
9801 0010



Technical Luminaires





FILA



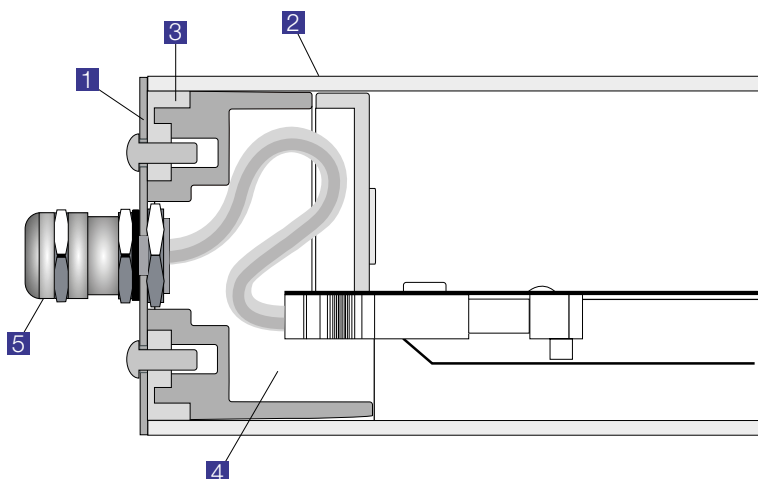
Clean lines

The Fila is a sleek architectural luminaire, designed for lighting public spaces and enhancing buildings.

Very sturdy thanks to its IK11+ / 80 joules diffuser, very elegant thanks to its polished stainless steel end caps and white polycarbonate internal trim, the Fila is a luminaire designed for both dimmable fluorescent and the new LED sources.



- 1 Polished stainless steel end caps for greater strength
- 2 Clear or opal polycarbonate diffuser up to 4 mm thick
- 3 Moulded silicone seal to IP67
- 4 Decorative polyamide trim to hide internal connections
- 5 M20 nickel-plated brass cable gland





FILA & OPTICS



A sleek architectural luminaire,
designed for lighting public spaces
and enhancing buildings.



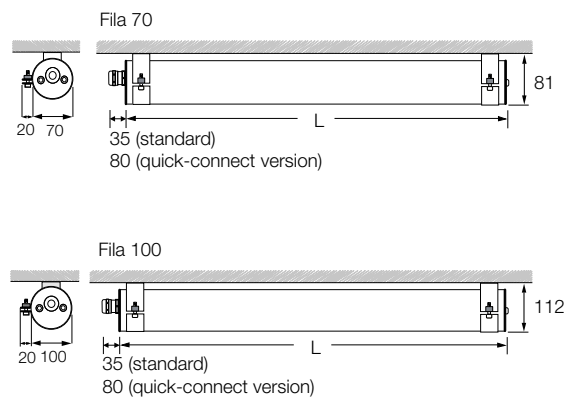
Features:



- Sealed vandal-resistant tubular light fitting
- Two diameters: 70 mm and 100 mm
- Clear or opal diffuser
- Polycarbonate body, thickness 4 mm (70 ø) or 3 mm (100 ø)
- CCT 4000 K, CRI min. 80
- Decorative internal polyamide trims
- Polished 304L stainless steel end caps
- Closure by 2 stainless steel CHC screws at each end
- Plug-in terminal block
- ISO M20 nickel-plated brass IP67 cable gland at one end

Options available on request:

- 40°, 60°, 90° LED optics, batwing and wallwasher
- Version with louvres
- Class 2
- 316L stainless steel version for corrosive environment
- 3000 K LEDs
- Version with emergency pack (Fila 100 only)



Fila accessories must be ordered separately (see page 106).



Radio remote control to be ordered separately
code: 9800 0010

FILA 70 LED



220-240 V AC / 50/60 Hz RoHS

Length L (mm)	Length with detection L (mm)	Power (W)	Luminaire light output (lm)	Luminaire efficacy (lm/W)	Opal
690	855	19	2170	114	7540 74 ..
970	1135	26	3110	120	7541 74 ..
1250	1415	36	4340	121	7542 74 ..
1530	1695	41	4990	122	7543 74 ..

Lumen maintenance: L80B10 / over 72,000 hours

Lumen maintenance: L90B50 / 52,000 hours

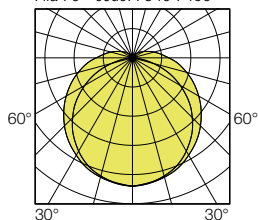
Coding:

replace the two dashes (--) by the corresponding figures: e.g. **7540 74 ..**

- 00** no detection
- 21** DALI dimmable + switch dimming
- 12** with Pro detection
- 14** with Pro detection + extinction warning
- 15** with Pro detection + standby warning
- 16** with Pro detection + radio-control
- 04** slave version + extinction warning
- 05** slave version + standby warning

Fixing brackets to be ordered separately (see page 106).

Fila 70 - code: 7540 7400



FILA 100 LED

i direct 768

220-240 V AC / 50/60 Hz   RoHS

Length L (mm)	Length with detection L (mm)	Power (W)	Luminaire light output (lm)	Luminaire efficacy (lm/W)	Opal
690	855	21	2540	121	7640 74 _ _
970	1135	31	3810	123	7641 74 _ _
1250	1415	42	5080	121	7642 74 _ _
1530	1695	51	6210	122	7643 74 _ _

Lumen maintenance: L80B10 / over 72,000 hours

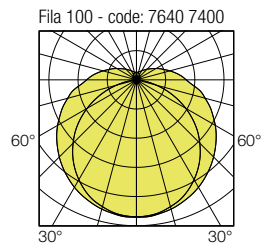
Lumen maintenance: L90B50 / 52,000 hours

Coding:

replace the two dashes (--) by the corresponding figures: e.g. **7640 74 _ _**

- 00** no detection
- 21** DALI dimmable + switch dimming
- 12** with Pro detection
- 14** with Pro detection + extinction warning
- 15** with Pro detection + standby warning
- 16** with Pro detection + radio-control
- 04** slave version + extinction warning
- 05** slave version + standby warning

Fixing brackets to be ordered separately (see page 106).





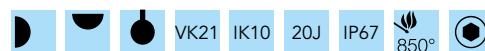


FILA² LED

A new high-efficacy version of the FILA luminaire, resulting from our policy of eco-design and continuous performance improvement.



Features:



- Sealed vandal-resistant striplight
- Two diameters: 66 mm and 98 mm
- Opal or clear diffuser for optics and louvres
- Polycarbonate body, 2 mm thick
- CCT 4000 K, CRI min. 80
- Decorative internal polyamide trims
- Polished 304L stainless steel end caps
- Closure by 2 stainless steel CHC screws at each end
- Automatic terminal block for on/off and DALI dimmable versions, plug-in terminal block for other versions
- ISO M20 nickel-plated brass IP67 cable gland at one end
- With or without sensor

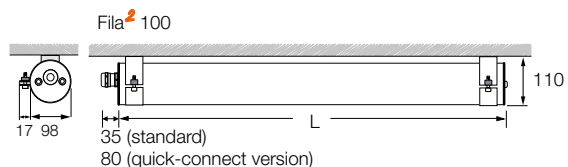
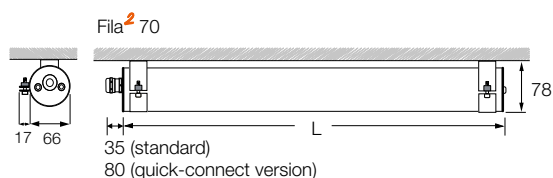
Options available on request:

- Class 2
- 316L stainless steel version for corrosive environment
- 3000 K LEDs
- Version with emergency pack (Fila²100)

Fila accessories must be ordered separately (see page 106).



Radio remote control to be ordered separately
code: 9800 0010



Fila² LED with optics



LED 60° optics



LED 90° optics

NEW!

Signage lighting solution for public areas, buildings, car-parks.



The **FILA²100** LED signage is designed for:

- identifying a building, a department, an exit,
- directing the public,
- making access points and circulation areas safer.

Applications: signage lighting for buildings and public areas (car-parks, health / education / sports establishments, tertiary-sector buildings, hotels).

- Very robust thanks to its IK10 20 joules diffuser
- Protected to IP67
- Diameter 98 mm, length 690 mm
- 3 installation modes: wall-mounting, ceiling-mounting, suspended (304L or 316L stainless steel fixing kit to be ordered separately)
- Single-sided internal signage film, backlit, 100% customizable texts and colours (*film to be ordered separately*)



Contact our Sales Department for any further information, a design study for your project, and price proposals.



FILA² 70 LED opal – COMFORT VERSION

Reduced light output, visual comfort, for more diffused, more even lighting, at just the right level.



220-240 V AC / 50/60 Hz RoHS

Length L (mm)	Length with detection L (mm)	Power (W)	Luminaire light output (lm)	Luminaire efficacy (lm/W)	304L stainless code
690	855	9	1100	117	7308 7400
970	1135	15	1850	123	7310 7400
1250	1415	16	2200	138	7312 7400
1530	1695	21	2950	140	7315 7400

Lumen maintenance: L80B10 / over 72,000 hours

Lumen maintenance: L90B50 / 52,000 hours

FILA² 70 LED opal – HIGH-EFFICIENCY VERSION

Just the right light output to meet standards illuminance requirements, while reducing consumption.



220-240 V AC / 50/60 Hz RoHS

Length L (mm)	Length with detection L (mm)	Power (W)	Luminaire light output (lm)	Luminaire efficacy (lm/W)	304L stainless code
690	855	14	1800	129	7309 7400
970	1135	21	2850	136	7311 7400
1250	1415	29	3900	134	7313 7400
1250	1415	32	4300	134	7314 7400
1530	1695	38	5300	140	7316 7400

Lumen maintenance: L80B10 / over 72,000 hours

Lumen maintenance: L90B50 / 52,000 hours

FILA² 70 LED opal – HIGH-PERFORMANCE VERSION

Maximized light output.



220-240 V AC / 50/60 Hz RoHS

Length L (mm)	Length with detection L (mm)	Power (W)	Luminaire light output (lm)	Luminaire efficacy (lm/W)	Opal
690	855	19	2440	128	7300 74--
970	1135	26	3490	134	7301 74--
1250	1415	36	4880	136	7302 74--
1530	1695	41	5610	137	7303 74--

Lumen maintenance: L80B10 / over 72,000 hours

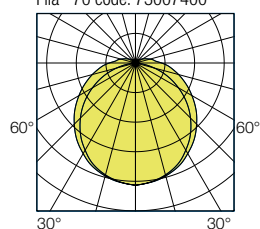
Lumen maintenance: L90B50 / 52,000 hours

Coding:

replace the two dashes (--) by the corresponding figures: e.g. **7300 74--**

- 00** no detection
- 21** DALI dimmable + switch dimming
- 12** with Pro detection
- 14** with Pro detection + extinction warning
- 15** with Pro detection + standby warning
- 16** with Pro detection + radio-control
- 04** slave version + extinction warning
- 05** slave version + standby warning

Fila² 70 code: 73007400



304L or 316L stainless fixing mounts to be ordered separately.

FILA² 70 LED clear optics*

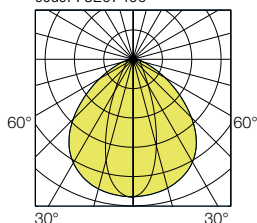
i direct 732

220-240 V AC / 50/60 Hz   RoHS

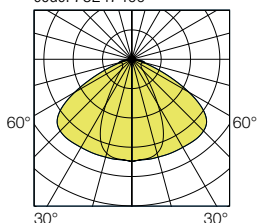
Length L (mm)	Length with detection L (mm)	Power (W)	Typical minimum light output (lm) ¹	Clear 40° optics	Clear 60° optics	Clear 90° optics	Clear batwing optics	Clear wallwasher optics
690	855	19	2400	7320 7400	7324 7400	7328 7400	7332 7400	7336 7400
970	1135	26	3500	7321 7400	7325 7400	7329 7400	7333 7400	7337 7400
1250	1415	36	4900	7322 7400	7326 7400	7330 7400	7334 7400	7338 7400
1530	1695	41	5600	7323 7400	7327 7400	7331 7400	7335 7400	7339 7400

* UGR to be confirmed for each lighting project.
 Lumen maintenance: L80B10 / over 72,000 hours
 Lumen maintenance: L90B50 / 52,000 hours
¹ Exact values: please refer to data sheet

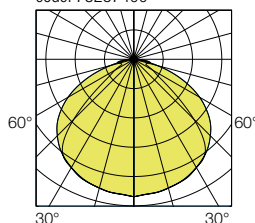
Fila² 70 - 40° optics
code: 73207400



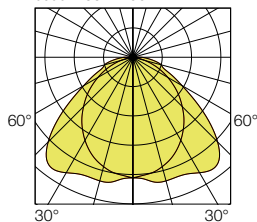
Fila² 70 - 60° optics
code: 73247400



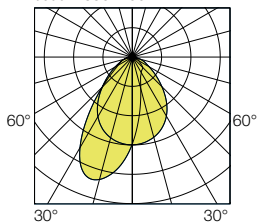
Fila² 70 - 90° optics
code: 73287400



Fila² 70 - batwing optics
code: 73327400



Fila² 70 - wallwasher optics
code: 73367400



Fixing brackets to be ordered separately (see page 106).

FILA² 70 LED with louvres

i direct 734

220-240 V AC / 50/60 Hz   RoHS

Length L (mm)	Length with detection L (mm)	Power (W)	Luminaire light output (lm)	Luminaire efficacy (lm/W)	Clear
690	855	19	2300	121	7340 74 ..
970	1135	26	3300	127	7341 74 ..
1250	1415	36	4600	128	7342 74 ..
1530	1695	41	5290	129	7343 74 ..

Lumen maintenance: L80B10 / over 72,000 hours

Lumen maintenance: L90B50 / 52,000 hours

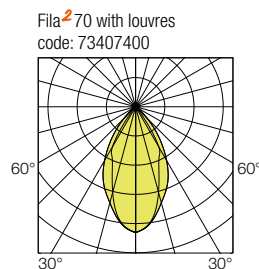
Coding:

replace the two dashes (--) by the corresponding figures: e.g. **7340 74 ..**

- 00** no detection
- 21** DALI dimmable + switch dimming
- 12** with Pro detection
- 14** with Pro detection + extinction warning
- 15** with Pro detection + standby warning
- 16** with Pro detection + radio-control
- 04** slave version + extinction warning
- 05** slave version + standby warning



* UGR to be confirmed for each lighting project.



FILA² 70 LED opal PC / PMMA*

i direct 730

220-240 V AC / 50/60 Hz   RoHS

Length L (mm)	Length with detection L (mm)	Power (W)	Luminaire light output (lm)	Luminaire efficacy (lm/W)	Opal
690	855	19	2440	128	7304 74 ..
970	1135	26	3490	134	7305 74 ..
1250	1415	36	4880	136	7306 74 ..
1530	1695	41	5610	137	7307 74 ..

* High resistance to UV, oils and other hydrocarbons. Applications: industry, maintenance pits.

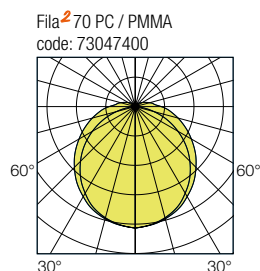
Lumen maintenance: L80B10 / over 72,000 hours

Lumen maintenance: L90B50 / 52,000 hours

Coding:

replace the two dashes (--) by the corresponding figures: e.g. **7304 74 ..**

- 00** no detection
- 21** DALI dimmable + switch dimming
- 12** with Pro detection
- 14** with Pro detection + extinction warning
- 15** with Pro detection + standby warning
- 16** with Pro detection + radio-control
- 04** slave version + extinction warning
- 05** slave version + standby warning



Fixing brackets to be ordered separately (see page 106).

FILA² 100 LED opal

i direct 740

220-240 V AC / 50/60 Hz   RoHS

Length L (mm)	Length with detection L (mm)	Power (W)	Luminaire light output (lm)	Luminaire efficacy (lm/W)	Opal
690	855	26	3290	127	7400 74 ..
970	1135	36	4700	131	7401 74 ..
1250	1415	49	6470	132	7402 74 ..
1530	1695	63	7920	126	7403 74 ..

Lumen maintenance: L80B10 / over 72,000 hours

Coding:

replace the two dashes (--) by the corresponding figures: e.g. **7400 74 ..**

- 00** no detection
- 21** DALI dimmable + switch dimming
- 12** with Pro detection
- 14** with Pro detection + extinction warning
- 15** with Pro detection + standby warning
- 16** with Pro detection + radio-control
- 04** slave version + extinction warning
- 05** slave version + standby warning

FILA² 100 LED clear optics*

i direct 742

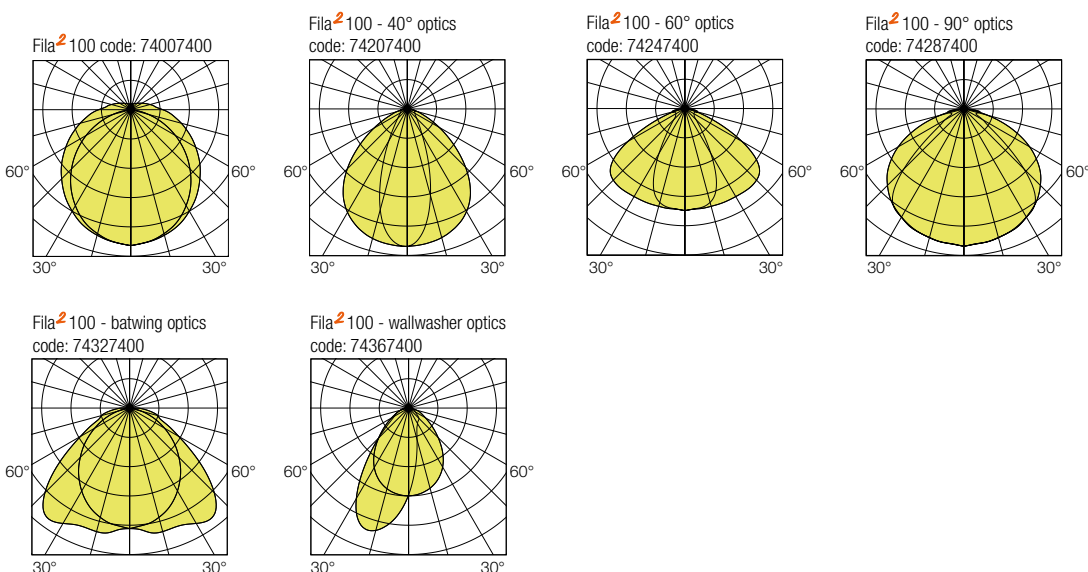
220-240 V AC / 50/60 Hz   RoHS

Length L (mm)	Length with detection L (mm)	Power (W)	Typical minimum light output (lm) ¹	Clear 40° optics	Clear 60° optics	Clear 90° optics	Clear batwing optics	Clear wallwasher optics
690	855	26	3400	7420 7400	7424 7400	7428 7400	7432 7400	7436 7400
970	1135	36	4800	7421 7400	7425 7400	7429 7400	7433 7400	7437 7400
1250	1415	49	6400	7422 7400	7426 7400	7430 7400	7434 7400	7438 7400
1530	1695	63	8300	7423 7400	7427 7400	7431 7400	7435 7400	7439 7400

* UGR to be confirmed for each lighting project.

Lumen maintenance: L80B10 / over 72,000 hours

¹ Exact values: please refer to data sheet



Fixing brackets to be ordered separately (see page 106).

Additional options Fila

Quick connect version with male/female Wieland connector (replaces cable gland; external cable not supplied).

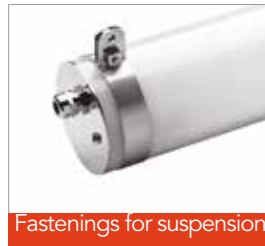


Coding:

add the corresponding suffix to the product code: e.g. **7300 7400** ----

- 9101 through wiring
- 9102 quick connect
- 9103 quick connect+ through wiring
- 9701 stainless steel tamper-resistant screws Fila (VK42), Fila² (VK22)
- 9801 in-line assembly

Fila accessories

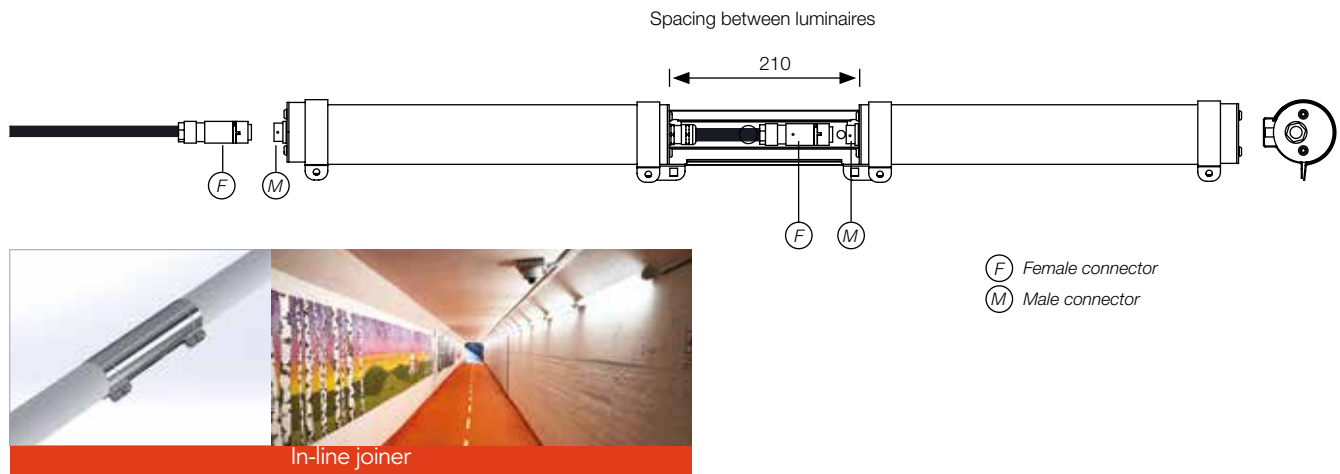


Designation	FILA 70	FILA 100	FILA ² 70 LED	FILA ² 100 LED
Kit of 304L stainless steel fittings for wall mounting, standard screw fixing	9873 7001	9874 7001	9873 7001	9874 7001
Kit of 304L stainless steel fittings for wall mounting, clasp fixing	9875 7002	9876 7002	9873 7002	9874 7002
Kit of 304L stainless steel fittings for suspension, standard screw fixing	9875 7003	9876 7003	9873 7003	9874 7003
Kit of 316L stainless steel fittings for wall mounting, standard screw fixing	9873 8001	9874 8001	9873 8001	9874 8001
Kit of 316L stainless steel fittings for suspension, standard screw fixing	9875 8003	9876 8003	9873 8003	9874 8003

The stainless steel fittings must be ordered separately.

One kit contains two fittings.

Optional stainless steel vandal-resistant screws: add suffix 9701 to the product code: e.g. **9873 7001 9701**



Designation	FILA ² 70 LED	FILA ² 100 LED
304L polished stainless steel joiner	9873 7004	9874 7004
316L polished stainless steel joiner	9873 8004	9874 8004

The stainless steel joiners must be ordered separately.

For use only in association with additional option code 9801 (in-line fitting): e.g. **7540 7400 9801**

Optional stainless steel vandal-resistant screws: add suffix 9701 to the product code: e.g. **9873 7004 9701**

Vandal-resistant tool (bit) to be ordered separately code: **9800 0007**



URBALINE



BVCert. 6037554

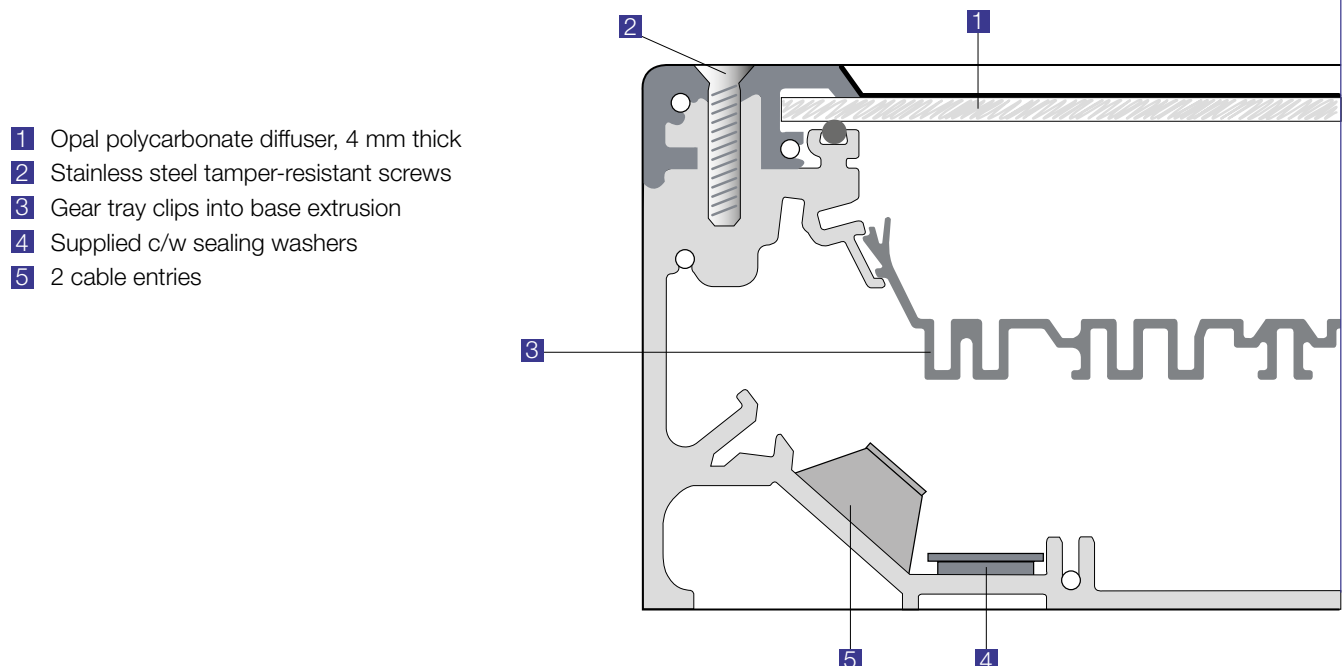
Vandal-resistant luminaire for public spaces, buildings, and transport.

URBALINE is a LED luminaire vandal-resistant up to 150 joules (IK11++) and marine corrosion resistant thanks to its treatment approved to the Qualanod quality mark, Class 20.

Particularly suitable for public transport infrastructures (stations, pedestrian subways, etc.) as well as public spaces and buildings requiring reinforced protection, Urbaline make it possible to provide precise illumination while reducing energy consumption, thanks to its latest-generation LED modules.

Lighting management is optimized via optional functions like DALI dimming, switch dimming, and detection with warning and standby (consumption less than 0.5 W in standby).

Recyclable and employing recycled materials, it is upgradeable thanks to its plug-in repairable components.





URBALINE



An elegant luminaire designed to withstand marine corrosion and extreme vandalism in public spaces and railway premises.



Urbaline



Urbaline Angle

Aluminium end caps



Polycarbonate end caps



Features:

- Body: 4 mm thick marine-grade 6060 aluminium
- Qualanod 20 µ anodizing
- Reinforced end caps in PC (50 joules) or aluminium (150 joules)
- Opal polycarbonate diffuser
- Linear LED module
- CCT 4000 K, CRI min. 80
- Stainless steel vandal-resistant screws

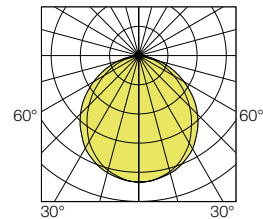
Options available on request:

- Version with emergency pack
- 3000 K LEDs

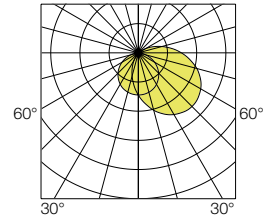
Applications:

- Public transport infrastructures (stations, pedestrian subways, etc.)
- Public spaces and buildings requiring increased protection

Urbaline - code: 6506 9400

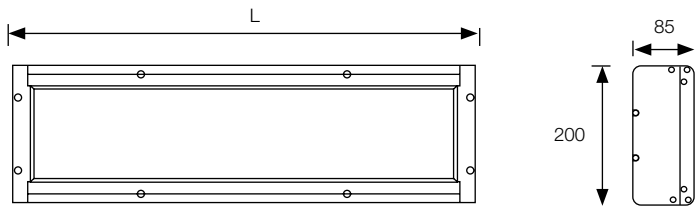


Urbaline Angle code: 6602 9400



Vandal-resistant tool (bit) to be ordered separately code: 9800 0003

Radio remote control to be ordered separately code: 9800 0010



URBALINE LED wall mounting

i direct 650

220-240 V AC / 50/60 Hz   RoHS

Length L (mm)	Length with detection L (mm)	Power (W)	Luminaire light output (lm)	Luminaire efficacy (lm/W)	Code 50 J	Code 150 J
370	435	11	900	82	6500 94--	6530 94--
		17	1800	106	6504 94--	6534 94--
650	715	21	2050	98	6501 94--	6531 94--
		43	4150	97	6505 94--	6535 94--
930	995	31	3100	100	6502 94--	6532 94--
		62	6250	145	6506 94--	6536 94--
1210	1275	43	4150	97	6503 94--	6533 94--
		70	7250	104	6507 94--	6537 94--

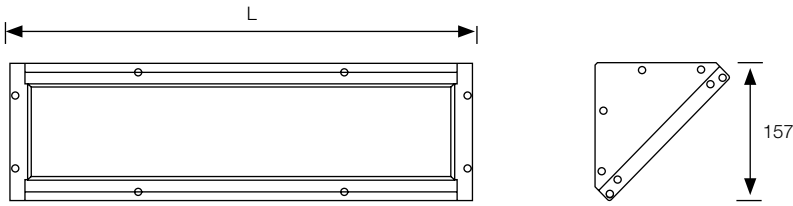
Lumen maintenance: L80B10 / over 72,000 hours

Lumen maintenance: L90B50 / 52,000 hours

Coding:

replace the two dashes (--) by the corresponding figures: e.g. **6500 94 --**

- 00** no detection
- 21** DALI dimmable + switch dimming
- 12** with Pro detection
- 14** with Pro detection + extinction warning
- 15** with Pro detection + standby warning
- 16** with Pro detection + radio-control
- 04** slave version + extinction warning
- 05** slave version + standby warning



URBALINE LED angle installation with wall and ceiling mounting

i direct 660

220-240 V AC / 50/60 Hz   RoHS

Length L (mm)	Length with detection L (mm)	Power (W)	Luminaire light output (lm)	Luminaire efficacy (lm/W)	Code 50 J	Code 150 J
370	435	11	900	82	6600 94--	6630 94--
		17	1800	106	6604 94--	6634 94--
650	715	21	2050	98	6601 94--	6631 94--
		43	4150	97	6605 94--	6635 94--
930	995	31	3100	100	6602 94--	6632 94--
		62	6250	145	6606 94--	6636 94--
1210	1275	43	4150	97	6603 94--	6633 94--
		70	7250	104	6607 94--	6637 94--

Lumen maintenance: L80B10 / over 72,000 hours

Lumen maintenance: L90B50 / 52,000 hours

Coding:

replace the two dashes (--) by the corresponding figures: e.g. **6600 94 --**

- 00** no detection
- 21** DALI dimmable + switch dimming
- 12** with Pro detection
- 14** with Pro detection + extinction warning
- 15** with Pro detection + standby warning
- 16** with Pro detection + radio-control
- 04** slave version + extinction warning
- 05** slave version + standby warning



Amman Airport Railway Station





TITAN



BVCert. 6037554



A range of elegant technical luminaires designed to withstand extreme vandalism in public spaces.

More light, less maintenance: the Titan is the long-life lighting solution that project owners and users of public spaces alike will find re-assuring!

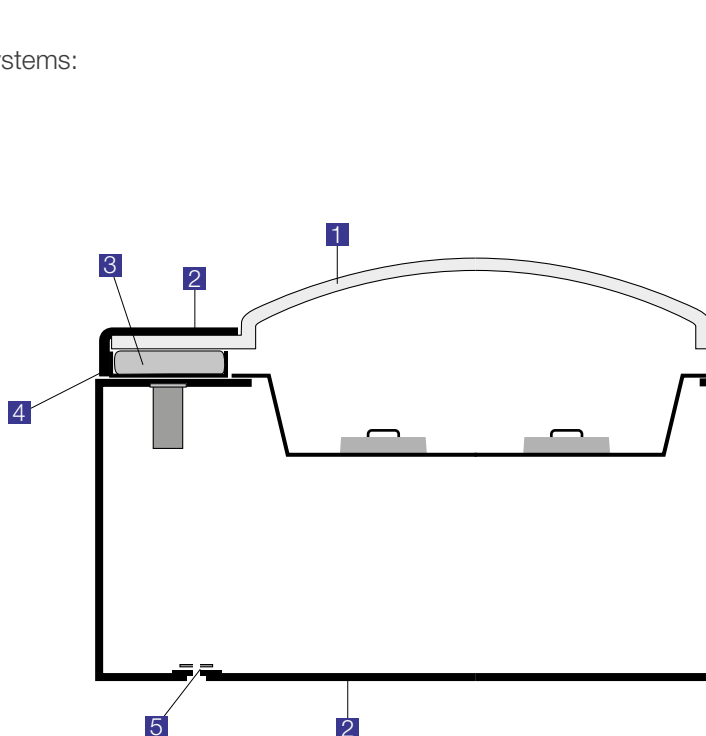
Longer life

With LEDs and professional power supplies designed to last 50,000 hours.

Greater savings

Thanks to the LED fittings and lighting management systems: detection, dimming, etc.

- 1 Braced polycarbonate diffuser
- 2 Steel frame and base treated against corrosion, 2 mm thick
- 3 Seal compression chamber
- 4 Lip to prevent forced entry
- 5 Supplied c/w sealing washers

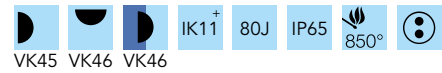
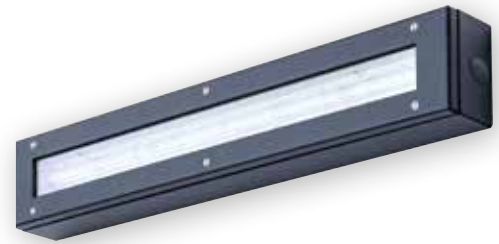




TITAN COMPACT



A highly-compact architectural LED luminaire for circulation areas and public spaces subject to vandalism.



Features:

- Luminaire withstands extreme vandalism
- Wall or corner mounting versions: body and frame in ZP steel
- Flush-mounting version: body and frame in painted 304L stainless steel
- Polyester powder-coated finish
- Flat opal polycarbonate diffuser
- CCT 4000 K, CRI min. 80
- Stainless steel vandal-resistant screws
- Wall- and corner-mounting versions supplied c/w nickel-plated brass cable gland
- Flush-mounting version supplied c/w cable seal

■ RAL7016

Options available on request:

- 3000 K LEDs
- 316L stainless steel version (wall and corner fittings)
- Light-control optics version



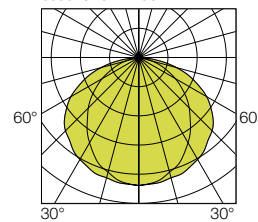
LED optics versions on request
(UGR to be confirmed for each lighting project)

■ Vandal-resistant tool (bit) to be ordered separately
code: 9800 0003

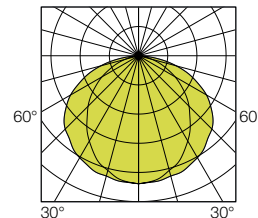


Flush version in Stainless steel
See page 154

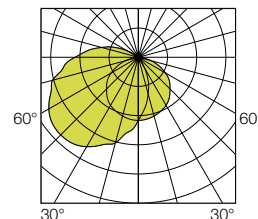
Titan Compact Wall
code: 6401 1400

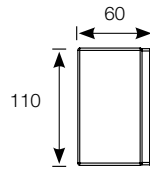


Titan Compact Flush
code: 6425 1400



Titan Compact Angle
code: 6411 1400





TITAN COMPACT Wall mounted

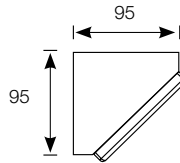
i direct 640

220-240 V AC / 50/60 Hz   RoHS

Length (mm)	Power (W)	Luminaire light output (lm)	Luminaire efficacy (lm/W)	Code
375	11	800	73	6401 1400
660	21	1800	86	6402 1400
945	31	2750	89	6403 1400
1230	43	3650	85	6404 1400

Lumen maintenance: L80B10 / over 72,000 hours

Lumen maintenance: L90B50 / 52,000 hours



TITAN COMPACT Angle

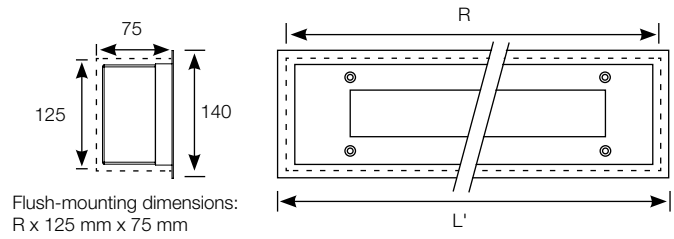
i direct 641

220-240 V AC / 50/60 Hz   RoHS

Length (mm)	Power (W)	Luminaire light output (lm)	Luminaire efficacy (lm/W)	Code
375	11	800	73	6411 1400
660	21	1800	86	6412 1400
945	31	2750	89	6413 1400
1230	43	3650	85	6414 1400

Lumen maintenance: L80B10 / over 72,000 hours

Lumen maintenance: L90B50 / 52,000 hours



TITAN COMPACT E

i direct 642

220-240 V AC / 50/60 Hz   RoHS

Aperture length R (mm)	Frame length L' (mm)	Power (W)	Luminaire light output (lm)	Luminaire efficacy (lm/W)	Code
390	405	11	800	73	6425 1400
675	690	21	1800	86	6426 1400
960	975	31	2750	89	6427 1400
1245	1260	43	3650	85	6428 1400

Lumen maintenance: L80B10 / over 72,000 hours

Lumen maintenance: L90B50 / 52,000 hours

Additional options Titan Compact

Coding:

add the corresponding suffix to the product code: e.g. **6425 1400** - - - -

- 9413** Flat Duroflam® diffuser
- 9601** Anti-graffiti protection
- 9702** stainless steel crosspoint screws (VK54)

*N.B.: through wiring possible on standard codes
by piggy-backing on gear tray supply terminal block*





TITAN



A comprehensive range
of steel luminaires designed for
premises and pedestrian subways
subject to extreme vandalism.



Features:





- Luminaire withstands extreme vandalism
- Wall- (Titan C95) or 45° (Titan A45) or 30° (Titan A30) corner-mounted versions: body and frame in ZP steel
- Flush-mounting version (Titan E): body and frame in painted 304L stainless steel or all-stainless steel in brushed 316L stainless steel. Please enquire.
- CCT 4000 K, CRI min. 80
- Polyester powder-coated finish
- Braced opal polycarbonate diffuser
- Stainless steel vandal-resistant screws
- Wall- and corner-mounting versions supplied c/w nickel-plated brass cable gland
- Flush-mounting version supplied c/w cable seal

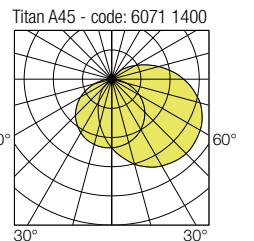
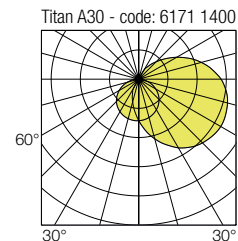
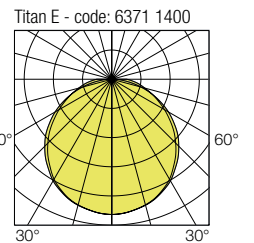
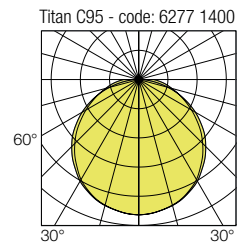
■ RAL7016

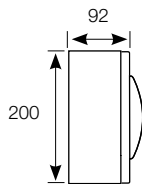
Options available on request:

- 3000 K LEDs
- Colour white: RAL9003
- Quick connect version
- Version with emergency pack
- Standby LED
- Class 2
- Trunking (junction panel between luminaires)
- Opal polycarbonate flat diffuser (IK11+ 80J)

 Vandal-resistant tool (bit) to be ordered separately
code: 9800 0004

 Radio remote control to be ordered separately
code: 9800 0010





TITAN C95 LED

i direct 627

220-240 V AC / 50/60 Hz RoHS

Length (mm)	Power (W)	Luminaire light output (lm)	Luminaire efficacy (lm/W)	Code
720	12	1050	88	6270 14..
	17	1850	109	6272 14..
	21	2010	96	6271 14..
	43	4080	95	6273 14..
1330	17	1820	107	6274 14..
	41	4250	104	6276 14..
	43	4030	94	6275 14..
	70	6930	99	6277 14..

Lumen maintenance: L80B10 / over 72,000 hours

Lumen maintenance: L90B50 / 52,000 hours

Fluorescent version: contact us

Coding:

replace the two dashes (--) by the corresponding figures: e.g. **6271 14..**

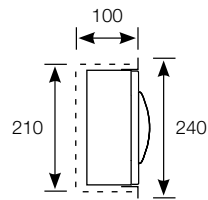
- 00** no detection
- 21** DALI dimmable + switch dimming
- 12** with Pro detection
- 14** with Pro detection + extinction warning
- 15** with Pro detection + standby warning
- 16** with Pro detection + radio-control
- 04** slave version + extinction warning
- 05** slave version + standby warning

Additional options Titan C95

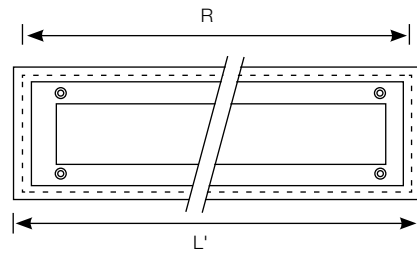
Coding:

add the corresponding suffix to the product code: e.g. **6271 1400**

- 9101** through wiring
- 9413** flat Duroflam® diffuser
- 9415** flat opal PC diffuser
- 9601** anti-graffiti protection
- 9702** stainless steel crosspoint screws (VK54)



Flush-mounting dimensions:
R x 210 mm x 100 mm



TITAN E LED

direct 636

220-240 V AC / 50/60 Hz **RoHS**

Aperture length R (mm)	Frame length L' (mm)	Power (W)	Luminaire light output (lm)	Luminaire efficacy (lm/W)	Code
730	760	12	1050	88	6370 14..
		17	1850	109	6372 14..
		21	2010	96	6371 14..
		43	4080	95	6373 14..
1340	1370	17	1820	107	6374 14..
		41	4250	104	6376 14..
		43	4030	94	6375 14..
		70	6930	99	6377 14..

Lumen maintenance: L80B10 / over 72,000 hours

Lumen maintenance: L90B50 / 52,000 hours

Fluorescent version: contact us

Coding:

replace the two dashes (--) by the corresponding figures: e.g. **6371 14..**

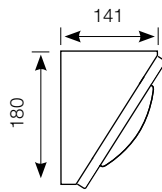
- 00** no detection
- 21** DALI dimmable + switch dimming
- 12** with Pro detection
- 14** with Pro detection + extinction warning
- 15** with Pro detection + standby warning
- 16** with Pro detection + radio-control
- 04** slave version + extinction warning
- 05** slave version + standby warning



Titan E stainless steel
available on request



Extra low profile version
Titan compact in stainless steel
See page 154



TITAN A30 LED

idirect **617**

220-240 V AC / 50/60 Hz   RoHS

Length (mm)	Power (W)	Luminaire light output (lm)	Luminaire efficacy (lm/W)	Code
720	12	1050	88	6170 14 _ _
	17	1850	109	6172 14 _ _
	21	2010	96	6171 14 _ _
	43	4080	95	6173 14 _ _
1330	17	1820	107	6174 14 _ _
	41	4250	104	6176 14 _ _
	43	4030	94	6175 14 _ _
	70	6930	99	6177 14 _ _

Lumen maintenance: L80B10 / over 72,000 hours

Lumen maintenance: L90B50 / 52,000 hours

Fluorescent version: contact us

Coding:

replace the two dashes (--) by the corresponding figures: e.g. **6171 14 _ _**

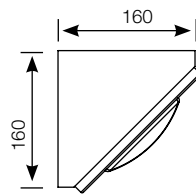
- 00** no detection
- 21** DALI dimmable + switch dimming
- 12** with Pro detection
- 14** with Pro detection + extinction warning
- 15** with Pro detection + standby warning
- 16** with Pro detection + radio-control
- 04** slave version + extinction warning
- 05** slave version + standby warning

Additional options for Titan A30

Coding:

add the corresponding suffix to the product code: e.g. **6171 1400 _ _ _ _**

- 9101** through wiring
- 9413** flat Duroflam® diffuser
- 9415** flat opal PC diffuser
- 9601** anti-graffiti protection
- 9702** stainless steel crosspoint screws (VK54)



TITAN A45 LED

i direct 607

220-240 V AC / 50/60 Hz   RoHS

Length (mm)	Power (W)	Luminaire light output (lm)	Luminaire efficacy (lm/W)	Code
720	12	1050	88	6070 14..
	17	1850	109	6072 14..
	21	2010	96	6071 14..
	43	4080	95	6073 14..
1330	17	1820	107	6074 14..
	41	4250	104	6076 14..
	43	4030	94	6075 14..
	70	6930	99	6077 14..

Lumen maintenance: L80B10 / over 72,000 hours

Lumen maintenance: L90B50 / 52,000 hours

Fluorescent version: contact us

Coding:

replace the two dashes (--) by the corresponding figures: e.g. **6071 14..**

- 00** no detection
- 21** DALI dimmable + switch dimming
- 12** with Pro detection
- 14** with Pro detection + extinction warning
- 15** with Pro detection + standby warning
- 16** with Pro detection + radio-control
- 04** slave version + extinction warning
- 05** slave version + standby warning

Additional options for Titan A45

Coding:

add the corresponding suffix to the product code: e.g. **6071 1400 ----**

- 9101** through wiring
- 9413** flat Duroflam® diffuser
- 9415** flat opal PC diffuser
- 9601** anti-graffiti protection
- 9702** stainless steel crosspoint screws (VK54)





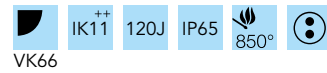
TITAN

video surveillance



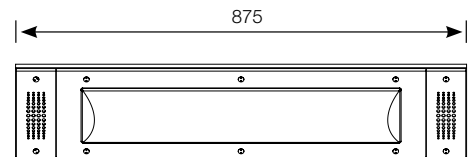
- Camera is invisible.
- Protection against vandalism.
- Better image quality (the camera points in same the direction as the light).

A comprehensive range of steel luminaires designed to conceal a video surveillance camera.



Features:

- Luminaire withstands extreme vandalism
- 45° angle (Titan A45 video surveillance) and 30° angle (Titan A30 video surveillance) versions: body and frame in ZP steel
- CCT 4000 K, CRI min. 80
- Polyester powder-coated finish
- Braced opal polycarbonate diffuser
- Stainless steel vandal-resistant screws
- Supplied c/w cable seal



■ RAL7016

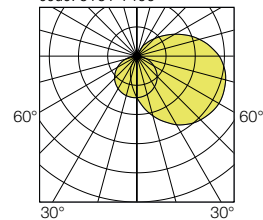
Options available on request:

- 3000 K LEDs
- Class 2
- Trunking (junction panel between luminaires)
- Opal polycarbonate flat diffuser (IK11+ 80J)

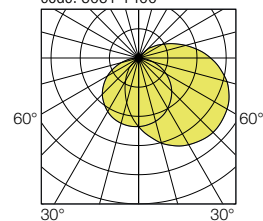
☞ Vandal-resistant tool (bit) to be ordered separately code: 9800 0004

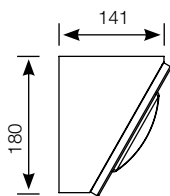
N.B.: Supplied less video equipment.

Titan A30 - video surveillance code: 6161 1400

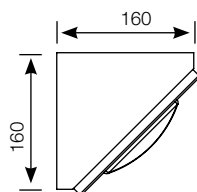


Titan A45 - video surveillance code: 6061 1400





Titan A30
video surveillance



Titan A45
video surveillance

TITAN A30 LED video surveillance

i direct 616

220/240 V AC / 50/60 Hz RoHS

Length (mm)	Power (W)	Luminaire light output (lm)	Luminaire efficacy (lm/W)	Code
875	21	2010	96	6161 14 _ _
	43	4080	95	6163 14 _ _

Lumen maintenance: L80B10 / over 72,000 hours
Lumen maintenance: L90B50 / 52,000 hours

Coding:

replace the two dashes (--) by the corresponding figures: e.g. **6161 14 _ _**

- 00** no detection
- 21** DALI dimmable + switch dimming
- 15** with Pro detection + standby warning

TITAN A45 LED video surveillance

i direct 606

220/240 V AC / 50/60 Hz RoHS

Length (mm)	Power (W)	Luminaire light output (lm)	Luminaire efficacy (lm/W)	Code
875	21	2010	96	6061 14 _ _
	43	4080	95	6063 14 _ _

Lumen maintenance: L80B10 / over 72,000 hours
Lumen maintenance: L90B50 / 52,000 hours

Coding:

replace the two dashes (--) by the corresponding figures: e.g. **6061 14 _ _**

- 00** no detection
- 21** DALI dimmable + switch dimming
- 15** with Pro detection + standby warning

Additional options Titan video surveillance

Coding:

add the corresponding suffix to the product code: **6161 1400 _ _ _ _**

- 9413** flat Duroflam® diffuser
- 9415** flat opal PC diffuser
- 9601** anti-graffiti protection



TITAN S



A comprehensive range of compact, high-power luminaires.



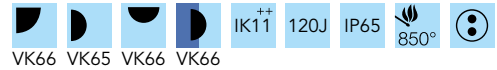
Titan S2



Titan S3



Titan S4



Features:

- High-power vandal-resistant luminaire
- Wall- (Titan S3) or corner- (Titan S2) mounting versions: body and frame in ZP steel
- Flush-mounting version (Titan S4): body and frame in painted 304L stainless steel
- CCT 4000 K, CRI min. 80
- Polyester powder-coated finish
- Opal polycarbonate diffuser (for LED version)
- Stainless steel vandal-resistant screws
- Wall- and corner-mounting versions supplied c/w nickel-plated brass cable gland
- Flush-mounting version supplied c/w cable seal

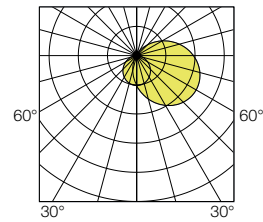
■ RAL7016

Options available on request:

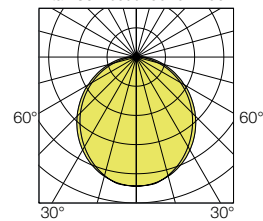
- 3000 K LEDs
- Standby LED
- Opal polycarbonate flat diffuser (IK11+ 80J)

🔧 Vandal-resistant tool (bit) to be ordered separately code: 9800 0004

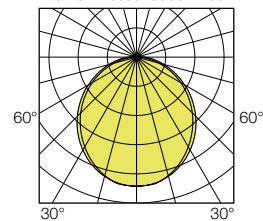
Titan S2 - code: 5005 1400



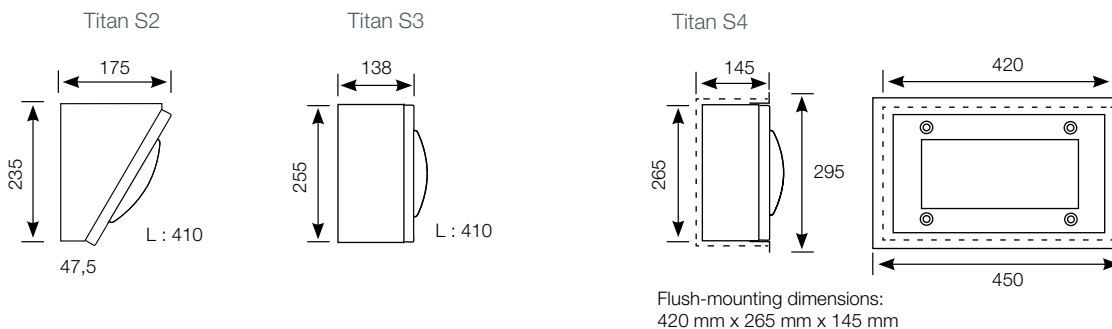
Titan S3 - code: 5025 1400



Titan S4 - code: 5056 1400



Flush version Titan S4 in stainless steel
See page 156



TITAN S LED

220-240 V AC / 50/60 Hz

Power (W)	Luminaire light output (lm)	Luminaire efficacy (lm/W)	TITAN S2	TITAN S3	TITAN S4
14	1500	107	5006 14 ..	5026 14 ..	5056 14 ..
22	2500	114	5007 14 ..	5027 14 ..	5057 14 ..
34	3450	101	5005 14 ..	5025 14 ..	5055 14 ..

Lumen maintenance: L80B10 / 72,000 hours

Coding:

replace the two dashes (--) by the corresponding figures: e.g. **5006 14 ..**

- 00** no detection
- 12** with Pro detection

Fluorescent and metal-halide versions: please contact us

Additional options Titan S2-3-4

Coding:

add the corresponding suffix to the product code: **5006 1400**

- 9413** flat Duroflam® diffuser
- 9415** flat opal PC diffuser
- 9601** anti-graffiti protection
- 9702** stainless steel crosspoint screws (VK54)

TITAN S 2: [direct 500](#)

TITAN S 3: [direct 502](#)

TITAN S 4: [direct 504](#)



ASL / ESL



Surface or flush mounting
architectural luminaire
for public areas.

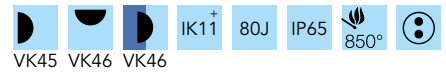


ASL



ESL

Features:



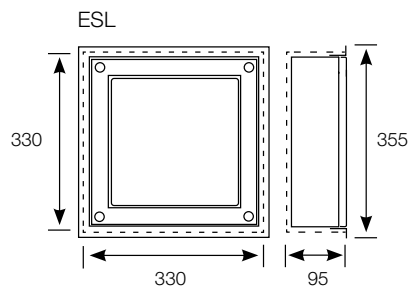
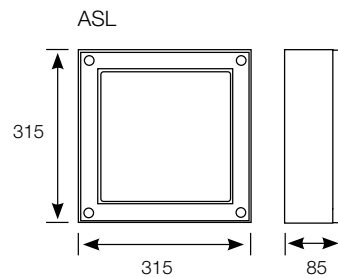
- Architectural luminaire with flush diffuser
- ASL surface-mounting version: body and frame in ZP steel
- Flush-mounting (ESL) version: body and frame in painted 304L stainless steel
- CCT 4000 K, CRI min. 80
- Polyester powder-coated finish
- Opal polycarbonate diffuser
- Stainless steel vandal-resistant screws
- Supplied c/w cable seal for surface-mounting (ASL) and flush-mounting (ESL) versions

■ RAL7016

Options available on request:

- 3000 K LEDs

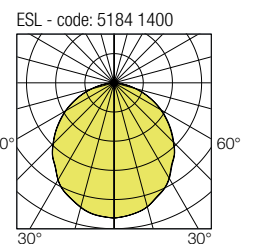
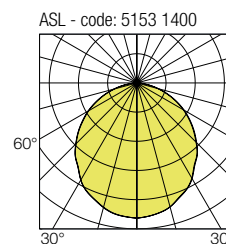
🔧 Vandal-resistant tool (bit) to be ordered separately
code: 9800 0004



Flush-mounting dimensions:
330 mm x 330 mm x 95 mm



ESL flush version
in stainless steel
See page 160



ASL / ESL LED

220-240 V AC / 50/60 Hz  RoHS

Power (W)	Luminaire light output (lm)	Luminaire efficacy (lm/W)	ASL	ESL
17	1500	88	5154 14 _ _	5184 14 _ _
26	2350	90	5153 14 _ _	5183 14 _ _

Lumen maintenance: L80B10 / 72,000 hours

Coding:

replace the two dashes (--) by the corresponding figures: e.g. **5154 14 _ _**

- 00** no detection
- 21** DALI dimmable + switch dimming + standby warning

Additional options ASL / ESL LED

Coding:

add the corresponding suffix to the product code: e.g. **5154 1400 _ _ _ _**

- 9702** stainless steel crosspoint screws (VK44)
- 9413** flat Duroflam[®] diffuser
- 9601** anti-graffiti protection

ASL:  [direct 515](#)

ESL:  [direct 517](#)



VAUBAN



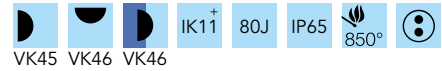
Extra low profile surface or flush mounting architectural luminaire for public areas.



VAUBAN A



VAUBAN E



Features:

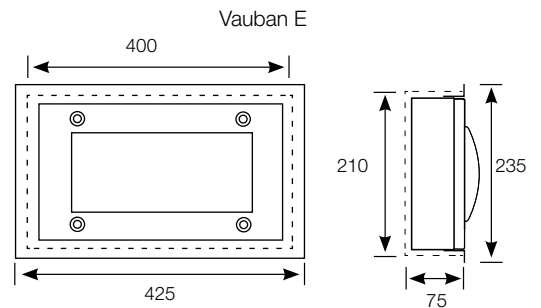
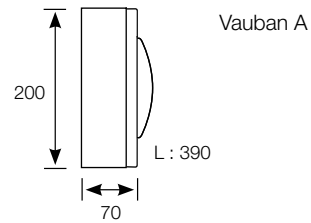
- Extra low profile architectural luminaire
- Surface-mounting version (A): body and frame in ZP steel
- Flush-mounting (E) version: body and frame in painted 304L stainless steel
- CCT 4000 K, CRI min. 80
- Polyester powder-coated finish
- Opal polycarbonate diffuser
- Stainless steel vandal-resistant screws
- Supplied c/w cable seal for surface-mounting (A) and flush-mounting (E) versions

■ RAL7016

Options available on request:

- 3000 K LEDs
- Standby LED
- Opal polycarbonate flat diffuser (IK11+ 80J)

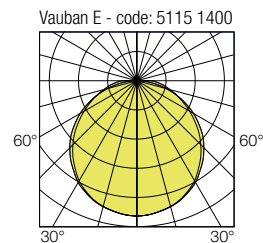
— Vandal-resistant tool (bit) to be ordered separately code: 9800 0004



Flush-mounting dimensions: 400 mm x 210 mm x 75 mm



Vauban E flush version in stainless steel See page 160



VAUBAN LED

220-240 V AC / 50/60 Hz   RoHS

Power (W)	Luminaire light output (lm)	Luminaire efficacy (lm/W)	VAUBAN A	VAUBAN E
8	725	91	5115 1400	5145 1400
17	1700	100	5116 1400	5146 1400

Lumen maintenance: L80B10 / over 72,000 hours

Lumen maintenance: L90B50 / 52,000 hours

Fluorescent version: please contact us.

Additional options Vauban

Coding:

add the corresponding suffix to the product code: e.g. **5115 1400** ----

VAUBAN A:  [direct 511](#)

VAUBAN E:  [direct 513](#)

9413 flat Duroflam® diffuser

9415 flat opal PC diffuser

9601 anti-graffiti protection

9702 stainless steel crosspoint screws (VK44)



BORGO



A compact, rip-out-resistant,
wall-mounting luminaire.



Features:



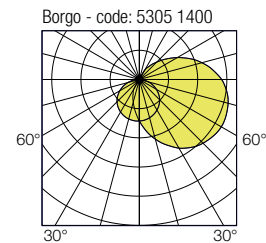
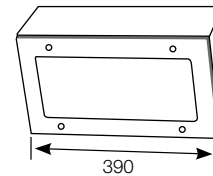
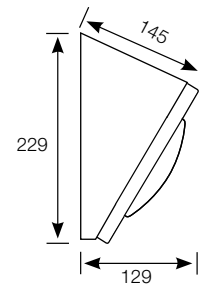
- Very compact wall-mounting luminaire
- Body in ZP 10/10 steel
- Frame in ZP 20/10 steel
- CCT 4000 K, CRI min. 80
- Polyester powder-coated finish
- Opal polycarbonate diffuser
- Stainless steel vandal-resistant screws
- Supplied c/w cable seal

■ RAL7016

Options available on request:

- 3000 K LEDs
- Standby LED
- Opal polycarbonate flat diffuser (IK11+ 80J)

— Vandal-resistant tool (bit) to be ordered separately
code: 9800 0004



BORGO LED

 direct 530

220-240 V AC / 50/60 Hz   RoHS

Power (W)	Luminaire light output (lm)	Luminaire efficacy (lm/W)	Code
8	725	91	5304 1400
17	1700	100	5305 1400

Lumen maintenance: L80B10 / over 72,000 hours

Lumen maintenance: L90B50 / 52,000 hours

Fluorescent version: please contact us.

Additional options Borgo

Coding:

add the corresponding suffix to the product code: e.g. **5304 1400** - - - -

- 9413** flat Duroflam® diffuser
- 9415** flat opal PC diffuser
- 9601** anti-graffiti protection
- 9702** stainless steel crosspoint screws (VK44)



BRIKETTE

Small flush-mounting fitting for access areas and stairways in an outdoor environment.



Features:

- Small, flush-mount, vandal-resistant luminaire for way marking
- Body and frame in painted 304L stainless steel
- Opal polycarbonate diffuser
- Clear pebble polycarbonate diffuser for asymmetric version
- CCT 4000 K, CRI min. 80
- Stainless steel vandal-resistant screws
- Supplied c/w cable seal

Options available on request:

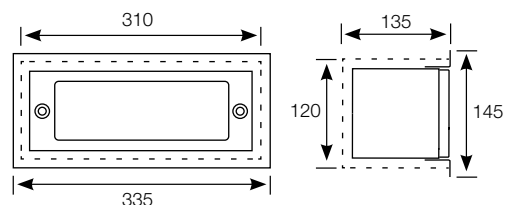
- 3000 K LEDs
- 316L stainless steel version

■ RAL7016

🔧 Vandal-resistant tool (bit) to be ordered separately
code: 9800 0004

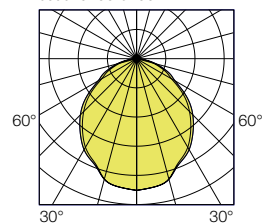


VK46

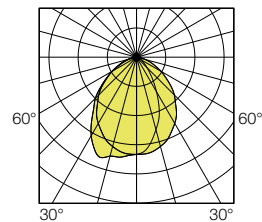


(Minimum installation height: 0.40 m)
Flush-mounting dimensions:
310 mm x 120 mm x 135 mm

Brikette stainless
code: 5100 8400



Brikette stainless LED asymmetric
code: 5101 8400



BRIKETTE LED

 **direct 510**

220-240 V AC / 50/60 Hz   RoHS

Power (W)	Luminaire light output (lm)	Luminaire efficacy (lm/W)	Code
10	600	60	5102 1400

Lumen maintenance: L80B10 / over 72 000 hours

Lumen maintenance: L90B50 / 50 000 hours

BRIKETTE LED asymmetric

 **direct 510**

220-240 V AC / 50/60 Hz   RoHS

Power (W)	Luminaire light output (lm)	Luminaire efficacy (lm/W)	Code
10	700	70	5103 1400

Lumen maintenance: L80B10 / over 72 000 hours

Lumen maintenance: L90B50 / 50 000 hours

Additional options Brikette

Coding:

add the corresponding suffix to the product code: e.g. **5102 1400** ----

9601 anti-graffiti protection (diffuser only)

9702 stainless steel crosspoint screws (VK44)

Flush-mounting stainless luminaires



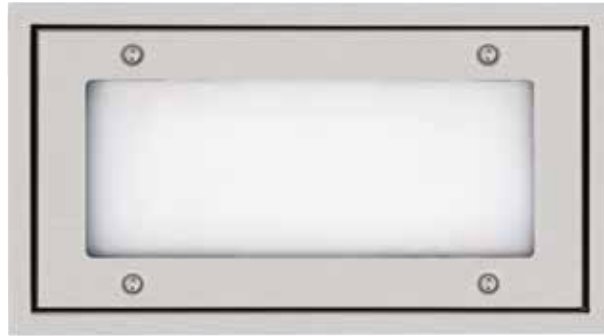
TITAN Compact stainless



TITAN S4 stainless



ESL stainless



VAUBAN E stainless



SMILE



TALK

TITAN COMPACT stainless

A highly-compact architectural LED luminaire for circulation areas and public spaces subject to vandalism.




VK46

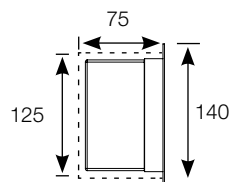
Features:

- Luminaire withstands extreme vandalism
- Flush-mounting version
- 316L stainless steel body
- Brushed 316L stainless steel frame
- Flat opal polycarbonate diffuser
- CCT 4000 K, CRI min. 80
- Stainless steel vandal-resistant screws
- Supplied c/w cable seal

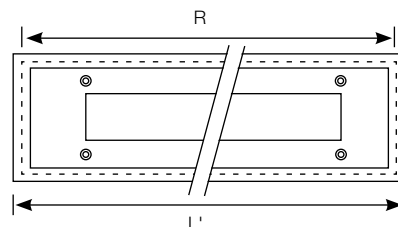
Options available on request:

- 3000 K LEDs
- Light-control optics version

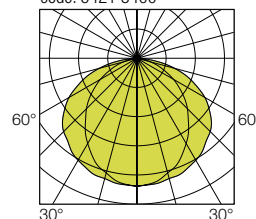
 Vandal-resistant tool (bit) to be ordered separately
code: 9800 0003



Flush-mounting dimensions:
R x 125 mm x 75 mm



Titan Compact
Flush-mounting stainless
code: 6421 8400



TITAN COMPACT E stainless

 **i direct 643**

220-240 V AC / 50/60 Hz   RoHS

Aperture length R (mm)	Frame length L' (mm)	Power (W)	Luminaire light output (lm)	Luminaire efficacy (lm/W)	Code
390	405	11	800	73	6421 8400
675	690	21	1800	86	6422 8400
960	975	31	2750	89	6423 8400
1245	1260	43	3650	85	6424 8400

Lumen maintenance: L80B10 / over 72,000 hours

Lumen maintenance: L90B50 / 52,000 hours

Additional options Titan Compact

Coding:

add the corresponding suffix to the product code: e.g. **6421 8400 .----**

9413 flat Duroflam® diffuser

9601 anti-graffiti protection

9702 stainless steel crosspoint screws (VK54)

N.B.: through wiring possible on standard codes by piggy-backing on gear tray supply terminal block.

TITAN S4 stainless

A compact stainless steel flush-mounting luminaire for outdoor spaces subject to vandalism and corrosion.



BVCert. 6037554



Features:

- High-power vandal-resistant luminaire
- 316L stainless steel body
- Brushed 316L stainless steel frame
- Opal polycarbonate diffuser
- CCT 4000 K, CRI min. 80
- Stainless steel vandal-resistant screws
- Supplied c/w cable seal

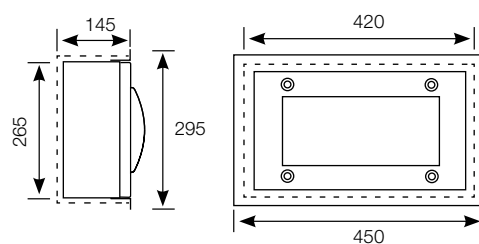
Options available on request:

- 3000 K LEDs
- Standby LED
- Opal polycarbonate flat diffuser (IK11+ 80J)

 Vandal-resistant tool (bit) to be ordered separately
code: 9800 0004

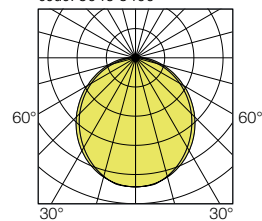


VK66



Flush-mounting dimensions:
420 mm x 265 mm x 145 mm

Titan S4 stainless
code: 5046 8400



TITAN S4 stainless LED

 direct 644

220-240 V AC / 50/60 Hz   RoHS

Power (W)	Luminaire light output (lm)	Luminaire efficacy (lm/W)	Code
14	1500	107	5046 84 ..
22	2500	114	5047 84 ..
34	3450	101	5045 84 ..

Lumen maintenance: L80B10 / 72,000 hours

Coding:

replace the two dashes (--) by the corresponding figures: e.g. 5046 84 ..

- 00 no detection
- 12 with Pro detection

Fluorescent and metal-halide versions: please contact us.

Additional options TITAN S4 stainless

Coding:

add the corresponding suffix to the product code: e.g. 5046 8400

- 9413 flat Duroflam® diffuser
- 9415 flat opal PC diffuser
- 9601 anti-graffiti protection (diffuser only)
- 9702 stainless steel crosspoint screws (VK54)

ESL stainless

A compact stainless steel flush-mounting luminaire for outdoor spaces subject to vandalism and corrosion.



BVCert. 6037554



Features:

- Architectural luminaire with flush diffuser
- 316L stainless steel body
- Brushed 316L stainless steel frame
- Opal polycarbonate diffuser
- CCT 4000 K, CRI min. 80
- Stainless steel vandal-resistant screws
- Supplied c/w cable seal

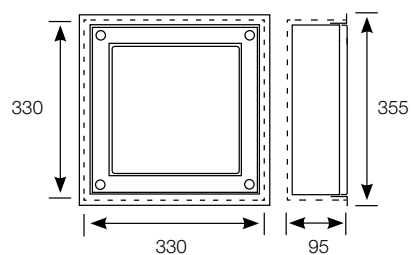
Options available on request:

- 3000 K LEDs
- Light-control optics

 Vandal-resistant tool (bit) to be ordered separately
code: 9800 0004

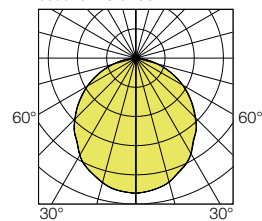


VK46



Flush-mounting dimensions:
330 mm x 330 mm x 95 mm

ESL stainless
code: 5173 8400



ESL stainless LED

 direct 518

220-240 V AC / 50/60 Hz   RoHS

Power (W)	Luminaire light output (lm)	Luminaire efficacy (lm/W)	Code
17	1500	88	5174 84 ..
26	2350	90	5173 84 ..

Lumen maintenance: L80B10 / 72,000 hours

Coding:

replace the two dashes (--) by the corresponding figures: e.g. 5174 84 ..

- 00 no detection
- 21 DALI dimmable + switch dimming

Fluorescent versions: please contact us.

Additional options for ESL stainless LED

Coding:

add the corresponding suffix to the product code: e.g. 5174 8400

- 9702 stainless steel crosspoint screws (VK44)

VAUBAN E stainless

A stainless steel flush-mounting luminaire for outdoor access areas subject to vandalism.



BVCert. 6037554




Features:

- Extra low profile architectural luminaire
- 316L stainless steel body
- Brushed 316L stainless steel frame
- Opal polycarbonate diffuser
- CCT 4000 K, CRI min. 80
- Stainless steel vandal-resistant screws
- Supplied c/w cable seal

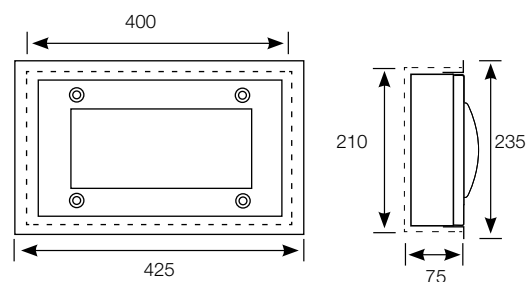
Options available on request:

- 3000 K LEDs
- Standby LED
- Opal polycarbonate flat diffuser (IK11+ 80J)

 Vandal-resistant tool (bit) to be ordered separately
code: 9800 0004

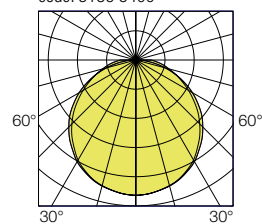


VK46



Flush-mounting dimensions:
400 mm x 210 mm x 75 mm

Vauban E stainless
code: 5136 8400



VAUBAN E stainless LED

 direct 514

220-240 V AC / 50/60 Hz   RoHS

Power (W)	Luminaire light output (lm)	Luminaire efficacy (lm/W)	Code
8	725	91	5135 8400
17	1700	100	5136 8400

Lumen maintenance: L80B10 / over 72,000 hours

Lumen maintenance: L90B50 / 52,000 hours

Fluorescent versions: please contact us.

Additional options VAUBAN E stainless

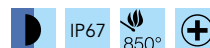
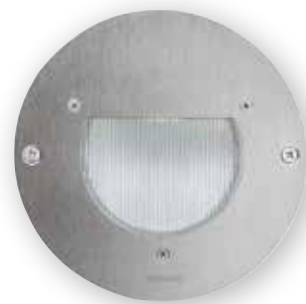
Coding:

add the corresponding suffix to the product code: e.g. **5135 8400 - - - -**

- 9413** flat Duroflam® diffuser
- 9415** flat opal PC diffuser
- 9601** anti-graffiti protection (diffuser only)
- 9702** stainless steel crosspoint screws (VK44)

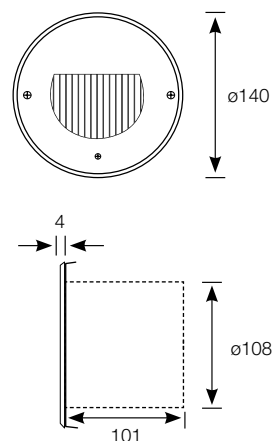
SMILE stainless

Stainless steel flush-mounting luminaire for way-marking in public spaces.



Features:

- Flush-mounting luminaire
- 316L stainless steel frame (thickness 4 mm)
- Tempered glass diffuser
- Aluminium flush-mounting sleeve
- CCT 4000 K, CRI min. 80
- Stainless steel crosspoint screws
- 3-year guarantee



Flush-mounting dimensions:
101 mm x \varnothing 108 mm

SMILE stainless LED

i direct 860

220-240 V AC / 50/60 Hz RoHS

Designation	Power (W)	Luminaire light output (lm)	Luminaire efficacy (lm/W)	Code
Smile	8	140	17	8605 8400

Lumen maintenance: L70B50 / 50,000 hours

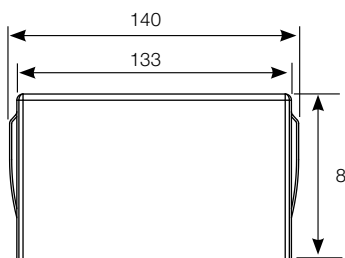
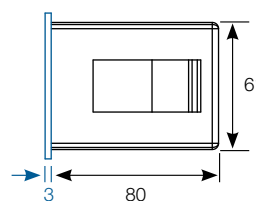
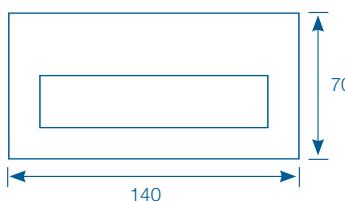
TALK stainless

Stainless steel flush-mounting luminaire for way-marking in public spaces.



Features:

- Flush-mounting luminaire
- 316L stainless steel frame (thickness 3 mm)
- 4 mm thick polycarbonate diffuser
- Metal back box
- CCT 4000 K, CRI min. 80
- 3-year guarantee



Frame dimensions :
140 mm x 70 mm x 3 mm

Max. dimensions for flush-mounting boxes to be cemented-in:
140 mm x 61 mm x 80 mm

TALK stainless LED



220-240 V AC / 50/60 Hz

Designation	Power (W)	Luminaire light output (lm)	Luminaire efficacy (lm/W)	Code
Talk	2.5	100	48.5	8600 8400

Lumen maintenance: L70B50 / 50,000 hours





DECADE ROCCA

DECADE

ROCCA



Architectural LED bollards
for circulation areas
and public spaces subject
to vandalism.



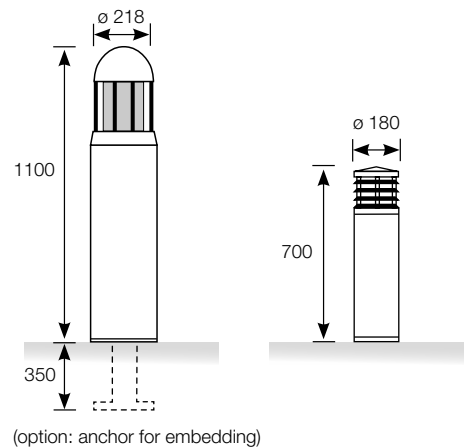
Features:

- Bollard body and head in aluminium treated against corrosion
- Acrylic reflector
- Polycarbonate diffuser
- Polyester black powder-coated finish
- CCT 4000 K, CRI min. 80*
- Stainless steel vandal-resistant black screws (tool supplied)
- Standard anchoring: code: 9885 0001 (DECADE)
code: 9885 0003 (ROCCA)
- 3-year guarantee

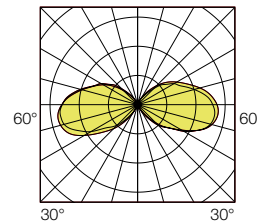
■ RAL9005

Additional options:

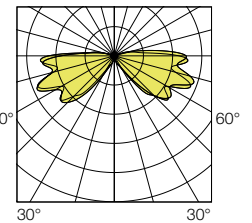
- DECADE bollard: reinforced anchoring for embedding into concrete (VK25): code: 9885 0002



Decade bollard
code: 8500 2300



Rocca bollard
code: 8505 2300



DECADE and ROCCA LED bollards



220-240 V AC / 50/60 Hz RoHS

Designation	Power (W)	Luminaire light output (lm)	Luminaire efficacy (lm/W)	Code
Decade	28	1100	39	8500 2300
Rocca	28	350	13	8505 2300

Lumen maintenance: L70B50 / 50,000 hours

* Codification for 4000 K color temperature: replace the number 3 with the number 4.

Example: 8500 2300 by 8500 2400

DUROPARK



- With detector
- More light
- More efficient

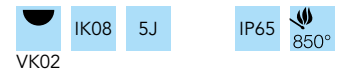
A sealed LED striplight
for car-parks and public spaces.



Duropark LED

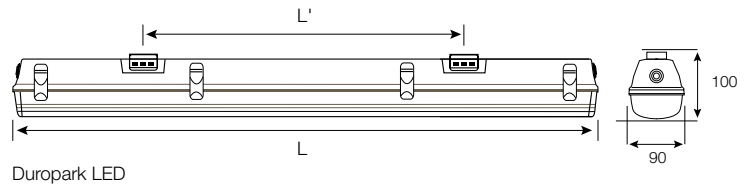


Duropark Access LED

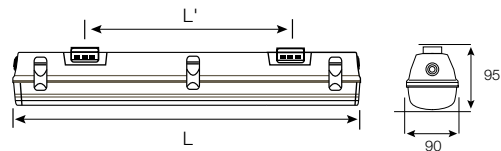


Features:

- Sealed strip fixture for indoor and outdoor environments
- Duropark LED: injection-moulded polycarbonate grey body
- Duropark Access LED: reinforced polycarbonate grey body
- Opal polycarbonate diffuser
- Stainless steel vandal-resistant locking clips
- CCT 4000 K, CRI min. 80
- 3-year guarantee

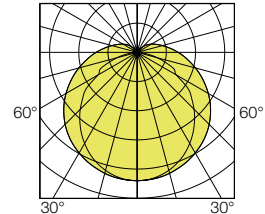


Duropark LED



Duropark Access LED

Duropark - code: 7840 9400



DUROPARK LED ceiling installation only



220-240 V AC / 50/60 Hz RoHS

Length L (mm)	Mounting distance L' (mm)	Power (W)	Luminaire light output (lm)	Luminaire efficacy (lm/W)	Code
1277	800	31	4400	142	7840 94 ..
1577	1100	37	5500	147	7841 94 ..

Lumen maintenance: L70B50 / 50,000 hours

Coding:

replace the two dashes (--) by the corresponding figures: e.g **7840 94 ..**

- 00** no detection
- 10** with detection *
- 12** with Pro detection

DUROPARK ACCESS LED ceiling installation only



220-240 V AC / 50/60 Hz RoHS

	Length L (mm)	Mounting distance L' (mm)	Power (W)	Luminaire light output (lm)	Luminaire efficacy (lm/W)	Code
New	669	360	15	2000	133	7842 94 ..

Lumen maintenance: L70B50 / 50,000 hours

Coding:

replace the two dashes (--) by the corresponding figures: e.g **7842 94 ..**

- 00** no detection
- 10** with detection *

* for stand-alone installation without daisy-chaining.



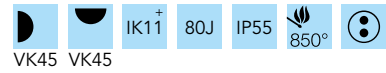
ALEANE



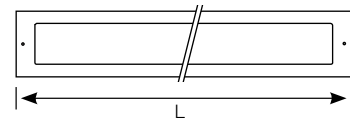
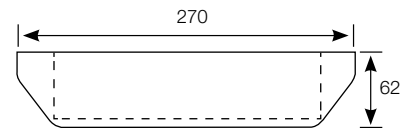
Extra-low profile vandal-resistant architectural luminaire.



Features:



- Extra-low profile vandal-resistant and rip-out-resistant architectural luminaire
- Base in 1 mm thick anticorrosion-treated steel with polyester powder-coated finish
- Cover in 1.5 mm thick anticorrosion-treated steel with polyester powder-coated finish
- Polycarbonate diffuser 3 mm opal
- Symmetrical or asymmetrical reflector
- Anti-vibration pads under the tubes
- Protected cable entries
- CCT 4000 K, CRI min. 80
- Stainless steel vandal-resistant screws
- Fixing outside the sealed body

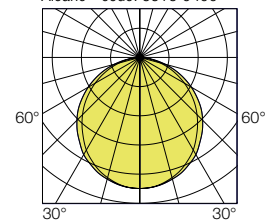



RAL9003

Options available on request:

- 3000 K LEDs
- Version with emergency pack
- Standby LED
- Class 2

Aleane - code: 6916 0400



 Vandal-resistant tool (bit) to be ordered separately
code: 9800 0004

ALEANE LED

 i direct 691

220-240 V AC / 50/60 Hz   RoHS

Length L (mm)	Power (W)	Luminaire light output (lm)	Luminaire efficacy (lm/W)	Code
715	17	2000	118	6915 04 ..
	41	4400	107	6916 04 ..
1325	41	4600	112	6917 04 ..
	70	7600	109	6918 04 ..

Lumen maintenance: L80B10 / over 72,000 hours

Lumen maintenance: L90B50 / 52,000 hours

Fluorescent version: contact us

Coding:

replace the two dashes (--) by the corresponding figures: e.g. **6915 04** ..

- 00** no detection
- 12** with Pro detection
- 21** DALI dimmable + switch dimming

Additional options Aleane

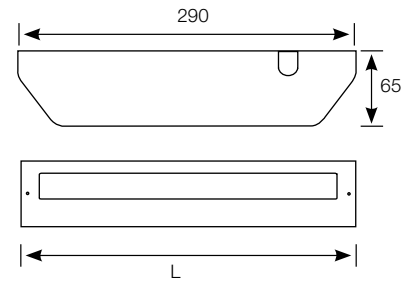
Coding:

add the corresponding suffix to the product code: e.g. **6915 0400** ..

- 9101** through wiring
- 9413** flat Duroflam® diffuser
- 9601** anti-graffiti protection
- 9702** stainless steel crosspoint screws (VK44)
- 9801** in-line fitting



Aleane asymmetrical for pits



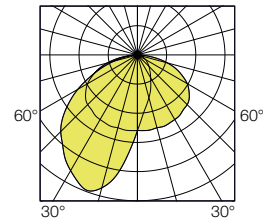
ALEANE ASYMMETRICAL LED FOR PITS

direct 694

Features:

- IP65
- 3 mm Duroflam® diffuser
- Oil-resistant
- White RAL9010 anti-graffiti
- Sealing vent
- Side cable-entry glands
- Fixing outside the sealed body

Aleane asymmetrical
code: 6946 0400



220-240 V AC / 50/60 Hz RoHS

Length L (mm)	Power (W)	Luminaire light output (lm)	Luminaire efficacy (lm/W)	Code
1325	17	1300	76	6945 04 --
	41	2900	71	6946 04 --

Lumen maintenance: L80B10 / over 72,000 hours
Lumen maintenance: L90B50 / 52,000 hours

Coding:

replace the two dashes (--) by the corresponding figures: e.g. **6945 04 --**

- 00** no detection
- 21** DALI dimmable + switch dimming

Luminaires for secure premises



BORGO



MINI-BORGO



P600 A



P600 E

BORG0 PRISON

Wall-mounting fitting
with switch for correctional
environments.



Borg0 Prison



Mini-Borg0 Prison

Features:




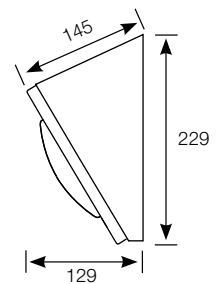
- Very compact cell wall fitting
- Rip-out resistant
- > 65° inclined top
- Vandal-resistant switch
- Body in ZP 10/10 steel
- Frame in ZP 20/10 steel
- Polyester powder-coated finish
- Clear pebble polycarbonate diffuser
- Opal polycarbonate diffuser
- CCT 4000 K, CRI min. 80
- Stainless steel vandal-resistant screws

RAL9003

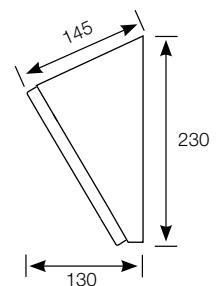
Options available on request:

- 3000 K LEDs
- Switch on left

 Vandal-resistant tool (bit) to be ordered separately
code: 9800 0004

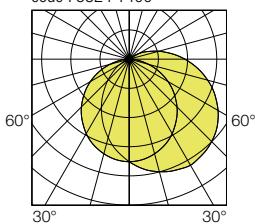


L : 390
Borg0 Prison

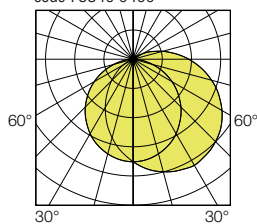


L : 200
Mini-Borg0 Prison

Borg0
code : 5324 1400





Mini-Borg0 Prison
code : 5340 0400



BORGO LED IP65 with switch

 **direct 532**

220-240 V AC / 50/60 Hz   RoHS

Length (mm)	Power (W)	Luminaire light output (lm)	Luminaire efficacy (lm/W)	Code switch on right
390	8	725	91	5324 1400
	17	1700	100	5325 1400



Lumen maintenance: L80B10 / over 72,000 hours

Lumen maintenance: L90B50 / 52,000 hours

Fluorescent version: contact us

BORGO LED IP20 with switch and socket

 **direct 532**

220-240 V AC / 50/60 Hz   RoHS

Length (mm)	Power (W)	Luminaire light output (lm)	Luminaire efficacy (lm/W)	Code switch on right
390	8	725	91	5326 1400
	17	1700	100	5327 1400

Lumen maintenance: L80B10 / over 72,000 hours

Lumen maintenance: L90B50 / 52,000 hours

Fluorescent version: contact us

Additional options Borgo

Coding:



add the corresponding suffix to the product code: e.g. **5324 1400** -----

9413 flat Duroflam® diffuser

9415 flat opal PC diffuser

MINI-BORGO PRISON LED with switch

 **direct 534**

220-240 V AC / 50/60 Hz   RoHS

Power (W)	Luminaire light output (lm)	Luminaire efficacy (lm/W)	Code switch on right
11	925	84	5340 0400

Lumen maintenance: L80B10 / over 72,000 hours

Lumen maintenance: L90B50 / 52,000 hours

P600

A comprehensive range of bedhead luminaires for a correctional environment.




BVCert. 6037554

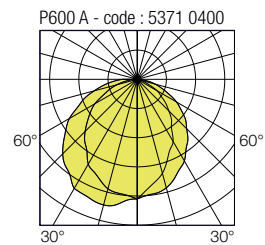
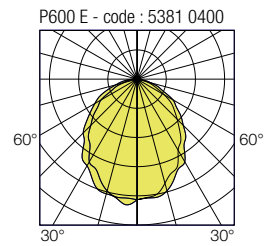
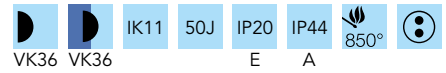


Features:

- Bedhead fitting for prison cells
- Body in ZP 10/10 steel
- Frame in ZP 15/10 steel
- Opal polycarbonate diffuser
- CCT 4000 K, CRI min. 80
- Stainless steel vandal-resistant switch
- Rip-out resistant

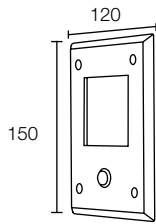
RAL9003

 Vandal-resistant tool (bit) to be ordered separately
code: 9800 0004 for P600 A
code: 9800 0002 for P600 E



P600 E size 1

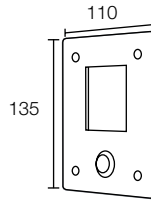
New model



Flush-mounting dimensions:
h : 120 mm
l : 98 mm
P : 51 mm

Supplied c/w metal back box, can be cast into the concrete or fastened using screws.

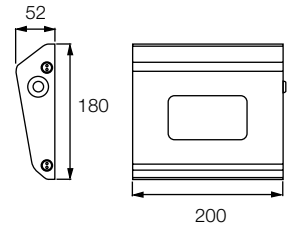
P600 E size 2



Flush-mounting dimensions:
h: 120 mm
w: 98 mm
d: 51 mm

Supplied c/w metal back box, can be cast into the concrete or fastened using screws.

P600 A



Surface-mounting: switch on right-hand side.

P600 E

i direct 538

220-240 V AC / 50/60 Hz RoHS

Power (W)	Luminaire light output (lm)	Luminaire efficacy (lm/W)	P600 E size 1 + switch	P600 E size 2 + switch
3.3	80	18	5382 0400	5381 0400

Lumen maintenance: L90B50 / over 60,000 hours

P600 A

i direct 537

220-240 V AC / 50/60 Hz RoHS

Power (W)	Luminaire light output (lm)	Luminaire efficacy (lm/W)	P600 A switch on right	P600 A switch on left	P600 A less switch
5	130	26	5370 0400	5371 0400	5372 0400

Lumen maintenance: L90B50 / over 60,000 hours

Technical Guide



VK[®] ratings

VK[®] vandal resistance rating

VK [®] rating	1 st position	2 nd position	(3 rd position)
0	< 10 joules	no protection	no protection
1	10 joules (*)	standard fastenings	flame resistance
2	20 joules (*)	vandal-resistant fastenings (or secure closure)	graffiti resistance
3	50 joules (*)	rip-out resistant	increased UV resistance (tropicalization)
4	80 joules	rip-out-resistant + standard fastenings	resistance to marine environment
5	100 joules	rip-out-resistant + vandal-resistant fastenings	-
6	120 joules	anti-ligature + vandal-resistant fastenings	-
7	150 joules	-	-

By virtue of their characteristics, anti-ligature luminaires are also rip-out-resistant.

The figure in the 3rd position is optional.

** Standardized values as per EN 62262: see IK rating*








IK ratings

NF EN 62262 standard IK rating for resistance to mechanical impacts

Impact resistance	Mass / Drop height
IK 1 / 0,140 joule	0,25 kg : 56 mm
IK 2 / 0,20 joule	0,25 kg : 80 mm
IK 3 / 0,35 joule	0,25 kg : 140 mm
IK 4 / 0,50 joule	0,25 kg : 200 mm
IK 5 / 0,70 joule	0,25 kg : 280 mm
IK 6 / 1 joule	0,25 kg : 400 mm
IK 7 / 2 joules	0,50 kg : 400 mm
IK 8 / 5 joules	1,70 kg : 300 mm
IK 9 / 10 joules	5 kg : 200 mm
IK 10 / 20 joules	5 kg : 400 mm
IK 11 / 50 joules	10 kg : 500 mm
IK 11+ / 80 joules	10 kg : 800 mm
IK 11++ / 100 joules	10 kg : 1000 mm
IK 11++ / 120 joules	15 kg : 800 mm
IK 11++ / 150 joules	15 kg : 1000 mm

The EN 62262 standard provides for a maximum resistance of IK11 = 50 joules.

Products classified by VK[®] rating

Indice VK [®]							
20				Talk			
21	Fila ²	Fila ²			Senspot	Fila ²	
22	Jono Fila ² (VAV)	Duropark Fila ² (VRS)	Soffite			Fila ² (VRS)	Decade Rocca
24				Smile			
25	Effice (general lighting)	Effice (general lighting) Effice Corridor Effice Stairway					
26	Voila Voila Access Voila Start Voila Asymmetric	Voila Voila Access Voila Start					
32					Vandal-resistant Senspot		
35	Bang Round Bang Square Bang Rectangle						
36	P600 LED	Bang Round Bang Square Bang Rectangle		P600 E LED			
41	Fila	Fila				Fila	
42	Fila (-VRS)	Fila (-VRS)				Fila (-VRS)	
44	Casemate						
45	Punto Izu / Izumi Titan Compact Aleane Aleane asymmetric Vauban A ASL Santa / Buda	Aleane					
46	Borgo Borgo Prison Mini-Borgo Prison	Punto Titan Compact Vauban ASL		Punto* Izu / Izumi* Santa / Buda* Titan Compact E Vauban E ESL Brikette stainless	Punto*		
65	Rondo / Rondino Rueda Aki / Akita Titan C95 Titan S3						
66		Rondo/Rondino Titan C95 Titan S3	Titan A45 / A30 Titan S2 Titan vidéo surveillance	Rondo / Rondino* Rueda* Aki / Akita* Titan E Titan S4	Rondo / Rondino*		
75	Urbaline						
76		Urbaline	Urbaline				

(VRS): vandal-resistant screws

* flush-mounting version (option 9802)

Technical Guide

Retrofit

Replacement parts

As part of a circular economy policy, Securlite designs its devices so they can be upgraded and repaired. Convert your existing Securlite luminaires to LED technology.

Repair your luminaires by replacing their components with similar parts and thus prolong luminaire life.

Our After-Sales Service is there to help you determine the correct version of spare parts you need and give you the essential instructions for optimum, safe use.

Modifying fluorescent versions to LED.

Move up to LED technology by substituting LED gear trays in your existing fluorescent fittings.

- Simply and easily if you are already using our luminaires with plug-in gear trays, like TITAN or RONDO.
- Using an LED gear tray with a connecting kit if your fitting did not originally have a plug-in gear tray, like BANG or VOILA.

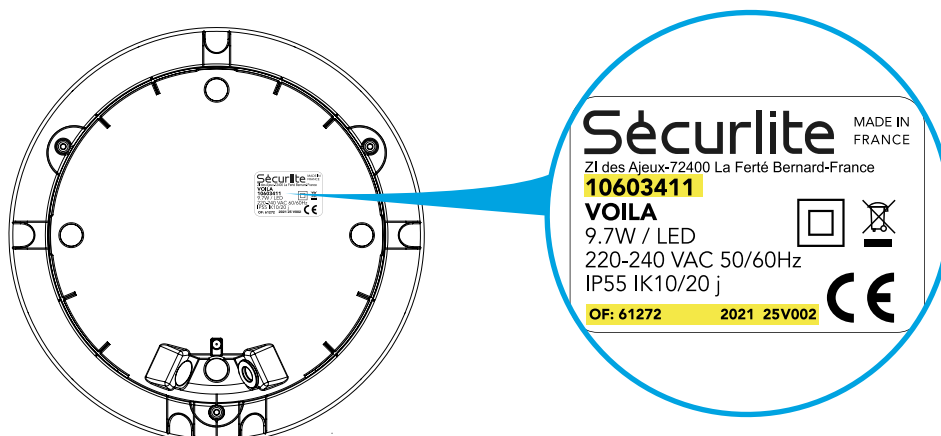


Replacing old diffusers with high-efficiency diffusers

Changing your luminaires' old diffusers and installing latest-generation diffusers will enable you to gain up to 15% more light output!

How to go about it?

There are identification numbers inside every Securlite fitting. Note these numbers and contact our After-Sales Service, stating the part you want to change (LED board, detector, power supply, diffuser, etc.).



We will send you by return the part no. you require and the instructions for changing it. Ask our Securlite teams who will investigate with you the relevance of the retrofit actions and will advise you on the various solutions.

LED characteristics: see product pages or enquire.

Taking advancing technology into account, replacement components may have higher specifications than the original parts. Parts supplied as replacements may also lead to differences compared to other existing fittings that have been subject to normal wear over time.

Please refer to the General Terms & Conditions of sale and guarantee available from www.securlite.com/cgv.

Any lamps that may be supplied, separately or in luminaires, are supplied free of charge and are not guaranteed.

Technical Guide

Tools

Tools can be ordered separately at current prices.



Bit-holder (9800 0005)



Bit (code: 9800 0001,
9800 0002, 9800 0003,
9800 0004, 9800 0007,
9800 0009, 9800 0012)



Special tool for soffite

FITTINGS	TOOL CODE	BIT
Aleane	9800 0004	Bit M6
ASL	9800 0004	Bit M6
Bang (round) / Bang (round) Access	9800 0003	Bit M5
Bang (square) / Bang (square) Access	9800 0003	Bit M5
Bang (rectangle) / Bang (rectangle) Access	9800 0003	Bit M5
Borgo	9800 0004	Bit M6
Brikette	9800 0004	Bit M6
Casemate	9800 0003	Bit M5
Effice	9800 0003	Bit M5
ESL	9800 0004	Bit M6
Enclume	9800 0002	Bit M4
Fila + accessories	-	Standard CHC screws
Mini-Borgo	9800 0004	Bit M6
P600 (E / A)	9800 0004 for P600 A 9800 0002 for P600 E	bit M4 (P600 E) bit M6 (P600 A)
Punto	9800 0003	Bit M5
Rondino / Rondo	9800 0003	Bit M5
Vandal resistant Senspot	9800 0012	Special tool (pliers)
Soffite	9800 0009	Pince
Titan (C95 / E / A30 / A45)	9800 0004	Bit M6
Titan Compact	9800 0003	Bit M5
Titan (S2 / S3 / S4)	9800 0004	Bit M6
Titan video surveillance	9800 0004	Bit M6
Urbaline	9800 0003	Bit M5
Vauban	9800 0004	Bit M6
Voila / Voila Access / Voila Asymmetric - Voila Acces Asymmetric	9800 0003	Bit M5
Voila Start	9800 0003	Bit M5



Technical Guide

Standards

Luminaire standards

Our products meet the CE marking according to the associated European directives, referring to the general lighting standard NF EN 60598-1 and its derivatives.

Testing is performed in our own laboratory and confirmed by independent European bodies like SGS.

The same applies to testing for impact resistance (IK) and for fire regulation compliance (650 °C to 850 C°).

Installation standards

In terms of product development, we face a double challenge: we must consider both luminaire standards and the standards relating to installations. Taking both these aspects into account enables us to come up with reasonable, well-thought-out solutions.

A - NF EN 12464-1 standard “Lighting of workplaces - indoor workplaces”

The European standard NF EN 12464-1 “Lighting of workplaces – indoor workplaces” defines the requirements relating to lighting in order that people’s visual tasks can be carried out under the proper conditions of performance, comfort, and safety.

The standard indicates average illuminance levels “to be maintained”. Discomfort glare (produced by shiny surfaces within the visual field) may arise directly or by reflection from luminaires or windows. It is determined by the unified glare rating, UGR.

The overall illuminance uniformity factor is the ratio of minimum illuminance (or minimum luminance) to average illuminance (or average luminance) within a zone under consideration. This factor is important in determining a level of visual comfort. It is necessary to balance the illuminance levels within a zone in order to obtain a uniformity of the luminances within the visual field.

Zone or activity (tertiary sector buildings)	Illuminance	UGR	Uniformity
Entrance hall (with no reception desk)	100 lux average	22	0.4
Circulation areas and corridors	100 lux average	28	0.4
Stairways	100 lux average	25	0.4
Reception desk	200 lux average	22	0.4
Car-park circulation areas	75 lux average	25	0.4
Outdoor circulation areas	20 lux average	-	0.1

B - NF C 15-100 standard “Low-voltage electrical installation”

This standard, application of which is mandatory, defines the implementation of luminaires in fixed installations, together with the electrical supply to them. The key aims of NF C 15-100: increase user safety, allow proper functioning of the electrical installations, and adapt to current needs (more domestic appliances and multimedia equipment: TVs, computers, etc.).

Installations concerned: the new NF C 15-100 standard applies to new buildings.

The new Amendment 5 to the NF C15-100 groups together the new standards provisions applicable to electrical installations in private residential premises. These prescriptions apply to structures for which the planning application was filed after 27 November 2015.

Provisions relating to lighting in COMMUNAL AREAS:

The lighting installation in COMMUNAL AREAS of residential buildings is subject to the prescriptions of the accessibility regulations (Order dated 24 December 2015 relating to accessibility for new residential buildings), in particular concerning minimum illuminance values and the characteristics of the lighting control facilities.

The illuminance levels required for COMMUNAL AREAS are laid down in the accessibility regulations, in particular for outdoor circulation areas, horizontal indoor circulation areas, internal stairways in accessible COMMUNAL AREAS, and car parks.

Manual control facilities for COMMUNAL AREAS:

Manual lighting control devices located in outdoor circulation areas and in COMMUNAL AREAS must be:

- indicated by an illuminated indicator,
- positioned in accordance with the prescriptions of the accessibility regulations.

Automatic devices:

In the case of operation by presence detection, the provisions of the accessibility regulations must be applied.

Additional provisions for building entrances, stairways, access balconies, and corridors: lighting circuits for building entrances, stairways, access balconies, and corridors shall be controlled by a timer with a device allowing continuous operation or by an automatic device.



Where lighting is on a timer, it must be extinguished gradually. This requirement can be met, in particular, by a gradual reduction or by steps of illumination level, or by any other extinction warning system. One timer must not control a group of more than five floors. In addition to the controls installed within each group, provision must be made for an additional control on the floors above and below each group, in order to allow them to be lit prior to accessing them. The lighting for an access balcony or internal corridor may be controlled by the same timing device as for a stairway leading to it. However, if more than three luminaires are necessary for lighting an access balcony or internal corridor, a separate timing device is necessary.



C – Order dated 20 April 2017 relating to accessibility for disabled persons in public-access buildings at time of building and facilities open to the public when being renovated.

Article 14

Provisions relating to lighting.

I. – Expected usage: the quality of the lighting, artificial or natural, for indoor and outdoor circulation areas shall be such that the whole of the route is covered without creating any visual discomfort. The parts of the route that may cause loss of balance for disabled persons, access facilities, and information provided by signs shall be subject to increased lighting quality.

II. - Minimum characteristics: in order to meet the requirements under I., the artificial lighting device shall satisfy the following characteristics: It shall make it possible to ensure average horizontal illuminance values measured at floor level along the normal circulation route, allowing for transition zones between the sections of a route, of at least:

- 20 lux for accessible outdoor routes, together with outdoor car-parks and their accessible pedestrian circulation areas
- 20 lux for indoor car-parks and their accessible pedestrian circulation areas
- 200 lux at reception points or elements employed as such
- 100 lux for indoor horizontal circulation areas
- 150 lux for each staircase and mobile facility

Where the operating time for a lighting system is on a timer, it shall extinguish gradually. In the case of operation by presence detection, the detection shall cover the whole of the space concerned, and two successive detection zones shall obligatorily overlap. The implementation of the lighting points shall avoid any effect of direct glare for both “standing” and “seated” users or reflections on signs.



D – Order dated 8 December 2014 laying down the measures taken for the application of Articles R. 111-19-7 to R. 111-19-11 of the Building and Housing Code and Article 14 of Decree no. 2006-555 relating to accessibility for disabled persons in public-access buildings located within an existing structure and existing facilities open to the public.

Article 14

It shall make it possible to ensure average horizontal illuminance values measured at floor level along the normal circulation route, allowing for transition zones between the sections of a route, of at least:

- 20 lux for accessible outdoor routes, together with outdoor car-parks and their accessible pedestrian circulation areas
- 20 lux for indoor car-parks and their accessible pedestrian circulation areas
- 200 lux at reception points or elements employed as such
- 100 lux for indoor horizontal circulation areas
- 150 lux for each staircase and mobile facility

Where the operating time for a lighting system is on a timer, it shall extinguish gradually. In the case of operation by presence detection, the detection shall cover the whole of the space concerned, and two successive detection zones shall obligatorily overlap. The implementation of the lighting points shall avoid any effect of direct glare for both “standing” and “seated” users or reflections on signs.

To sum up, the lighting must be carefully designed and suitable for your needs.

Securlite helps you build your projects. The notions of lighting design go well beyond simple lighting calculation, and your investments should be accompanied by overall consultancy: our sales advisors and technical support team are only too happy to help you arrive at the customized solution that will meet your needs.

Index

List based on the roots of the codes.

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100133--	100	46
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104030--	104	34
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PICTOGRAMS

 Incandescent wire test	 Bulkhead fitting	 Suspended fitting
 2-point tamper-resistant screws	 Ceiling fitting	 Bollards
 Tamper-proof Torx screws	 Corner-mounting fitting	
 Standard crosspoint screws	 Flush wall-mounting	
 Standard Allen screws	 Flush-mounting ceiling fitting	

IP RATINGS




1st figure:
Protection against penetration by solid objects
and contact with live parts.

2nd figure:
Protection against liquid penetration.

IP 0 .  No protection	IP . 0  No protection
IP 1 .  Protected against solid bodies larger than 50 mm (e.g. hand contact)	IP . 1  Protected against vertical water drops
IP 2 .  Protected against solid bodies larger than 12.5 mm (e.g. finger)	IP . 2  Protected against water drops up to 15° from the vertical
IP 3 .  Protected against solid bodies larger than 2.5 mm (e.g. tools, wires)	IP . 3  Protected against rain up to 60° from the vertical
IP 4 .  Protected against solid bodies larger than 1 mm (e.g. fine tools, nails)	IP . 4  Protected against water splashing from any directions
IP 5 .  Protected against dust	IP . 5  Protected against low-pressure water jets from any direction using a lance
IP 6 .  Totally protected against dust	IP . 6  Protected against high-pressure water jets from any direction
	IP . 7  Protected against the effects of immersion
	IP . 8  Equipment submersible under specified conditions

IK and VK ratings, please see catalogue pages 184–185.

CLASSIFICATIONS OF ELECTRICAL APPLIANCES

	Class I	Luminaire with functional insulation and with metal parts earthed. Earth connection obligatory.
	Class II	Luminaire with double or increased insulation of the active parts. No earth connection.
	Class III	Class II luminaire with additional protection achieved by powering from an SELV supply (Safety Extra-Low Voltage, U < 50 V AC).

Technical and dimensional data are given for information only and may be modified at any time without notice. Please enquire before ordering.

Terms and conditions are available at: www.securlite.com/terms or upon request from our Sales Department.

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