

GALILEO 3 TUNNEL EB

MAIN CHARACTERISTICS

Applications	Tunnel lighting
Optic	ASC: Multi-focal asymmetric optic with adjustable emission for reinforcement lighting. SS: Multi-focal Symmetric optic for tunnel permanent lighting Colour temperature: 5700K (4000K optional), CRI ≥ 70 Photobiological safety class: EXEMPT GROUP LED source efficiency: 150 lm/W @ 525mA, Tj=85°C, 5700K
Insulation class	I - II
Protection degree	IP66 IK08
LED Modules	Removable / Replaceable optical unit
Tilt Angle	<i>See dimensional drawings section</i>
Dimensions	
Weight	
Exposed surface	
Mounting	Mounting with adjustable integrated flange (<i>See fixing flange section</i>)
Gear tray	Separated box with IP66/68 quick release connectors. Mounting over luminaire body with integrated flanges.
Operating temp.	-40°C / +50°C (525mA) -40°C / +35°C (700mA)
Storage temp.	-40°C / +80°C
Main reference standards	EN 60598-1, EN 60598-2-3, EN 62471, EN 55015, EN 61547, EN 61000-3-2, EN 61000-3-3



ELECTRICAL CHARACTERISTICS

Rated voltage	220-240V 50/60Hz (Standard tolerance +/-10%, other voltages and tolerances upon request)	
LED current	525mA 700mA	
Power factor	>0,9 (at full load)	
Mains connection	Cable FG7-OM1 0.6/1kV 2/3x1,5 mm² L=1,5 mt Optional: FTG10-OM1 0.6/1kV 2/3x1,5 mm² L=1,5 mt Plug IEC309 2P+T 16A IP67	
Control system	F: Fixed power (base version) DB: Dual power with control wire. DALI: Digital interface. PLM: Power line communication module. FLC: Constant LED luminous flux.	
Surge protection	Pulse withstand CL. I: ≥10kV CM/DM Pulse withstand CL. II: ≥8kV CM/DM	
Optical unit lifetime (Ta=25°C)	525mA	700mA
	>70.000hr L80B10 (including critical fail.) >100.000hr L80, TM-21	>55.000hr L80B10 (including critical fail.) >100.000hr L80, TM-21

MATERIALS

Fixing	Stainless steel AISI 304 (AISI 316L optional) with plastic spacers to avoid galvanic corrosion.
Heat-sink	Die-cast aluminium UNI EN1706 with low copper content.
Body	Powder painted.
Gear tray	Anodized aluminum (body). Die-cast aluminum (caps)
Optic	99.85% aluminium with a surface finish in 99.95% with vacuum-sealed deposition. Alluminum grade class A+ (DIN EN 16268)
Screen	Flat tempered glass, 4mm thickness.
Cable gland	Metallic, M20x1,5 – IP68
Gasket	Polyurethane

Multiplier to obtain the **luminous flux** as a function of Ta and Tk.

Ta(°C)	Multiplier
50	0,94
40	0,96
25	1,00
15	1,02
5	1,04
0	1,05
Tk(K)	Multiplier
4000	0,97
5700	1,00

Multiplier to obtain the **power** as a function of Ta.

Ta (°C)	Multiplier
50	0,99
25	1,00
0	1,01

Legend:

Ta = Ambient temperature.
Tk = Colour temperature.

LUMINAIRE FLUX ¹ (Ta=25°C, 5700K, lm)		
OPTIC	525mA	700mA
	9 LED MODULES	
SS-7A SS-7M SS-7W	37790	46350
SS-6A SS-6M SS-6W	39120	47980
ASC-7W	38680	47440
ASC-6W	37980	47980

RATED LED FLUX ² (Tj=85°C, 5700K, lm)	
525mA	700mA
46926	59400

RATED LUMINAIRE POWER ¹ (Ta=25°C, Vin=230Vac, W) F and DA version at full load		
OPTIC	525mA	700mA
	9 LED MODULES	
SS-7A SS-7M SS-7W	345	459
SS-6A SS-6M SS-6W	345	459
ASC-7W ASC-6W	345	459

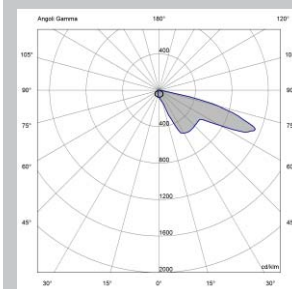
RATED LED POWER ² (Tj=85°C, W)	
525mA	700mA
314	423

LUMINAIRE EFFICIENCY (Ta=25°C, lm/W)		
OPTIC	525mA	700mA
	9 LED MODULES	
SS-7A SS-7M SS-7W	110	101
SS-6A SS-6M SS-6W	113	105
ASC-7W	112	103
ASC-6W	110	105

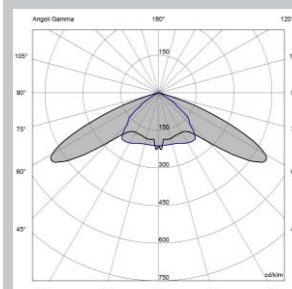
The tables above describe the flux and output power of the available versions. These parameters are necessary in order to guarantee a correct comparison of the luminaire performance.
In particular, the luminaire efficiency (expressed in lm/W) must be calculated as the ratio between the output luminous flux of the luminaire and the power absorbed by the input power supply unit.
For the sake of completeness the tables also show the data of the nominal flux and power of the used LED.

Note:

- 1:Rated data obtained in laboratory
- 2:Rated data extrapolated from LED manufacturer datasheet.



ASP-7W Optic



Ottica SS-6W

All the published photometrical data has been obtained according to EN 13032-1

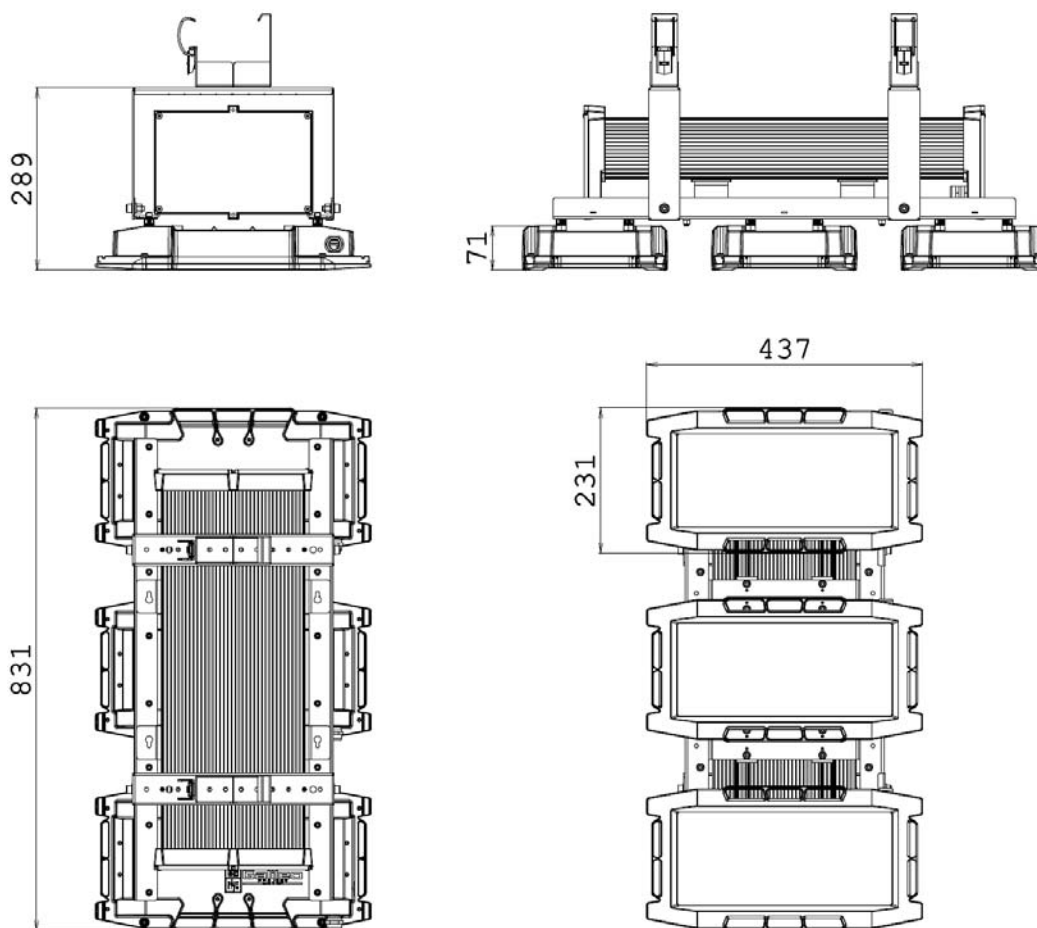
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DIMENSIONAL DRAWINGS

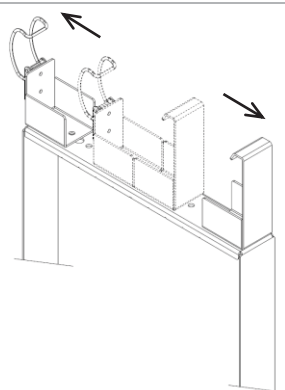
WEIGHT WITHOUT FIXING FLANGE: 27.5 kg

SIDE SURFACE: 0.16 m²

TOP SURFACE: 0.31 m²



FIXING FLANGE



Adjustable fixing flange for cable channel
100x75mm up to 300x75mm.
Tilt angle on request.

1.8 kg



The characteristics of the product listed above are subjected to change. They will have to be confirmed in case of order.
Values indicated in this technical sheet are to be considered rated values subject to a tolerance of +/-5%. Data listed above are subject to change without notice.

