

GALILEO 3 EB TUNNEL

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	See dimensional drawings section
Dimensions	
Weight	
Exposed surface	
Mounting	
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

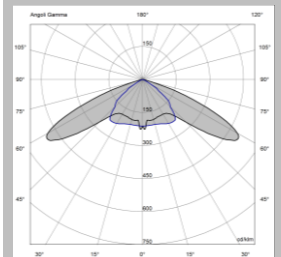


ELECTRICAL CHARACTERISTICS

Rated voltage	220÷240V 50/60Hz <i>(Standard tolerance +/-10%, other voltages and tolerances upon request)</i>
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 (Tq=25°C, 700mA)	≥100.000hr L90B10 ≥100.000hr L90, 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



Optica SS-6W

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



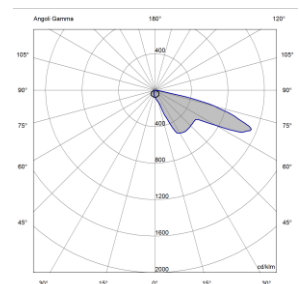
LUMINAIRE	OPTIC	LED Current (mA)	RATED LUMINAIRE FLUX ¹ (Tq=25°C, 5700K, lm)	RATED LUMINAIRE POWER ¹ (Tq=25°C, Vin=230Vac, F / DA / DAC, W)	LUMINAIRE EFFICACY (Tq=25°C, lm/W)	RATED LED FLUX ² (Tj=85°C, 5700K, lm)	RATED LED POWER ² (Tj=85°C, W)
Galileo 3 Tunnel EB 0F6 6.5-7M	SS-6A	525	30720	266	115	36498	241
Galileo 3 Tunnel EB 0F6 6.5-8M	SS-6M	525	34440	307	112	41712	276
Galileo 3 Tunnel EB 0F6 6.5-9M	SS-6W	525	38740	345	112	46926	310
Galileo 3 Tunnel EB 0F6 6.7-7M	SS-6A	700	37720	357	106	46200	326
Galileo 3 Tunnel EB 0F6 6.7-8M	SS-6M	700	42240	408	104	52800	372
Galileo 3 Tunnel EB 0F6 6.7-9M	SS-6W	700	47520	459	104	59400	419
Galileo 3 Tunnel EB 0F6 6.5-7M	SS-7A	525	29670	266	112	36498	241
Galileo 3 Tunnel EB 0F6 6.5-8M	SS-7M	525	33270	307	108	41712	276
Galileo 3 Tunnel EB 0F6 6.5-9M	SS-7W	525	37420	345	108	46926	310
Galileo 3 Tunnel EB 0F6 6.7-7M	SS-7A	700	36430	357	102	46200	326
Galileo 3 Tunnel EB 0F6 6.7-8M	SS-7M	700	40800	408	100	52800	372
Galileo 3 Tunnel EB 0F6 6.7-9M	SS-7W	700	45900	459	100	59400	419
Galileo 3 Tunnel EB 0F6 6.5-7M	ASC-4W	525	31730	266	119	36498	241
Galileo 3 Tunnel EB 0F6 6.5-8M		525	35590	307	116	41712	276
Galileo 3 Tunnel EB 0F6 6.5-9M		525	40030	345	116	46926	310
Galileo 3 Tunnel EB 0F6 6.7-7M	ASC-4W	700	38970	357	109	46200	326
Galileo 3 Tunnel EB 0F6 6.7-8M		700	43640	408	107	52800	372
Galileo 3 Tunnel EB 0F6 6.7-9M		700	49100	459	107	59400	419
Galileo 3 Tunnel EB 0F6 6.5-7M	ASC-5W	525	31580	266	119	36498	241
Galileo 3 Tunnel EB 0F6 6.5-8M		525	35410	307	115	41712	276
Galileo 3 Tunnel EB 0F6 6.5-9M		525	39830	345	115	46926	310
Galileo 3 Tunnel EB 0F6 6.7-7M	ASC-5W	700	38780	357	109	46200	326
Galileo 3 Tunnel EB 0F6 6.7-8M		700	43430	408	106	52800	372
Galileo 3 Tunnel EB 0F6 6.7-9M		700	48860	459	106	59400	419
Galileo 3 Tunnel EB 0F6 6.5-7M	ASC-6W	525	31270	266	118	36498	241
Galileo 3 Tunnel EB 0F6 6.5-8M		525	35070	307	114	41712	276
Galileo 3 Tunnel EB 0F6 6.5-9M		525	39440	345	114	46926	310
Galileo 3 Tunnel EB 0F6 6.7-7M	ASC-6W	700	38400	357	108	46200	326
Galileo 3 Tunnel EB 0F6 6.7-8M		700	43010	408	105	52800	372
Galileo 3 Tunnel EB 0F6 6.7-9M		700	48380	459	105	59400	419
Galileo 3 Tunnel EB 0F6 6.5-7M	ASC-7W	525	30960	266	116	36498	241
Galileo 3 Tunnel EB 0F6 6.5-8M		525	34720	307	113	41712	276
Galileo 3 Tunnel EB 0F6 6.5-9M		525	39050	345	113	46926	310
Galileo 3 Tunnel EB 0F6 6.7-7M	ASC-7W	700	38020	357	106	46200	326
Galileo 3 Tunnel EB 0F6 6.7-8M		700	42580	408	104	52800	372
Galileo 3 Tunnel EB 0F6 6.7-9M		700	47900	459	104	59400	419

*Photometric data v.02-16

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

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



LUMINAIRE	OPTIC	LED Current (mA)	INRUSH CURRENT Duration 50%pk (µs)	INRUSH CURRENT Peak (A)	MCB B-Type 10A / 16A / 25A	SURGE PROTECTION CL.I (CM / DM, kV)	SURGE PROTECTION CL.II (CM / DM, kV)
Galileo 3 Tunnel EB 0F6 6.5-7M	SS-6A SS-6M SS-6W	525	330	62	1 / 2 / 4	10 / 10	8 / 8
Galileo 3 Tunnel EB 0F6 6.5-8M		525	330	62	1 / 2 / 4	10 / 10	8 / 8
Galileo 3 Tunnel EB 0F6 6.5-9M		525	330	62	1 / 2 / 4	10 / 10	8 / 8
Galileo 3 Tunnel EB 0F6 6.7-7M	SS-6A SS-6M SS-6W	700	330	62	1 / 2 / 4	10 / 10	8 / 8
Galileo 3 Tunnel EB 0F6 6.7-8M		700	330	62	1 / 2 / 4	10 / 10	8 / 8
Galileo 3 Tunnel EB 0F6 6.7-9M		700	330	62	1 / 2 / 4	10 / 10	8 / 8
Galileo 3 Tunnel EB 0F6 6.5-7M	SS-7A SS-7M SS-7W	525	330	62	1 / 2 / 4	10 / 10	8 / 8
Galileo 3 Tunnel EB 0F6 6.5-8M		525	330	62	1 / 2 / 4	10 / 10	8 / 8
Galileo 3 Tunnel EB 0F6 6.5-9M		525	330	62	1 / 2 / 4	10 / 10	8 / 8
Galileo 3 Tunnel EB 0F6 6.7-7M	SS-7A SS-7M SS-7W	700	330	62	1 / 2 / 4	10 / 10	8 / 8
Galileo 3 Tunnel EB 0F6 6.7-8M		700	330	62	1 / 2 / 4	10 / 10	8 / 8
Galileo 3 Tunnel EB 0F6 6.7-9M		700	330	62	1 / 2 / 4	10 / 10	8 / 8
Galileo 3 Tunnel EB 0F6 6.5-7M	ASC-4W	525	330	62	1 / 2 / 4	10 / 10	8 / 8
Galileo 3 Tunnel EB 0F6 6.5-8M		525	330	62	1 / 2 / 4	10 / 10	8 / 8
Galileo 3 Tunnel EB 0F6 6.5-9M		525	330	62	1 / 2 / 4	10 / 10	8 / 8
Galileo 3 Tunnel EB 0F6 6.7-7M	ASC-4W	700	330	62	1 / 2 / 4	10 / 10	8 / 8
Galileo 3 Tunnel EB 0F6 6.7-8M		700	330	62	1 / 2 / 4	10 / 10	8 / 8
Galileo 3 Tunnel EB 0F6 6.7-9M		700	330	62	1 / 2 / 4	10 / 10	8 / 8
Galileo 3 Tunnel EB 0F6 6.5-7M	ASC-5W	525	330	62	1 / 2 / 4	10 / 10	8 / 8
Galileo 3 Tunnel EB 0F6 6.5-8M		525	330	62	1 / 2 / 4	10 / 10	8 / 8
Galileo 3 Tunnel EB 0F6 6.5-9M		525	330	62	1 / 2 / 4	10 / 10	8 / 8
Galileo 3 Tunnel EB 0F6 6.7-7M	ASC-5W	700	330	62	1 / 2 / 4	10 / 10	8 / 8
Galileo 3 Tunnel EB 0F6 6.7-8M		700	330	62	1 / 2 / 4	10 / 10	8 / 8
Galileo 3 Tunnel EB 0F6 6.7-9M		700	330	62	1 / 2 / 4	10 / 10	8 / 8
Galileo 3 Tunnel EB 0F6 6.5-7M	ASC-6W	525	330	62	1 / 2 / 4	10 / 10	8 / 8
Galileo 3 Tunnel EB 0F6 6.5-8M		525	330	62	1 / 2 / 4	10 / 10	8 / 8
Galileo 3 Tunnel EB 0F6 6.5-9M		525	330	62	1 / 2 / 4	10 / 10	8 / 8
Galileo 3 Tunnel EB 0F6 6.7-7M	ASC-6W	700	330	62	1 / 2 / 4	10 / 10	8 / 8
Galileo 3 Tunnel EB 0F6 6.7-8M		700	330	62	1 / 2 / 4	10 / 10	8 / 8
Galileo 3 Tunnel EB 0F6 6.7-9M		700	330	62	1 / 2 / 4	10 / 10	8 / 8
Galileo 3 Tunnel EB 0F6 6.5-7M	ASC-7W	525	330	62	1 / 2 / 4	10 / 10	8 / 8
Galileo 3 Tunnel EB 0F6 6.5-8M		525	330	62	1 / 2 / 4	10 / 10	8 / 8
Galileo 3 Tunnel EB 0F6 6.5-9M		525	330	62	1 / 2 / 4	10 / 10	8 / 8
Galileo 3 Tunnel EB 0F6 6.7-7M	ASC-7W	700	330	62	1 / 2 / 4	10 / 10	8 / 8
Galileo 3 Tunnel EB 0F6 6.7-8M		700	330	62	1 / 2 / 4	10 / 10	8 / 8
Galileo 3 Tunnel EB 0F6 6.7-9M		700	330	62	1 / 2 / 4	10 / 10	8 / 8

NOTE 1: The number of luminaires under a three-phase MCB is calculated multiplying by 3 the number in the table. These values are based on data declared by power supply manufacturer and tested on worst case MCB model. An inrush current limiter (i.e. Finder SSR 77.11.x.xxx.8250 (15A) or 77.31.x.xxx.8050 model (30A)) can improve the max.number of luminaire under the MCB

NOTE 2: Power supply manufacturer never did any considerations about 50A or 63A MCB. So we can't declare anything about using of MCB higher than 25A.

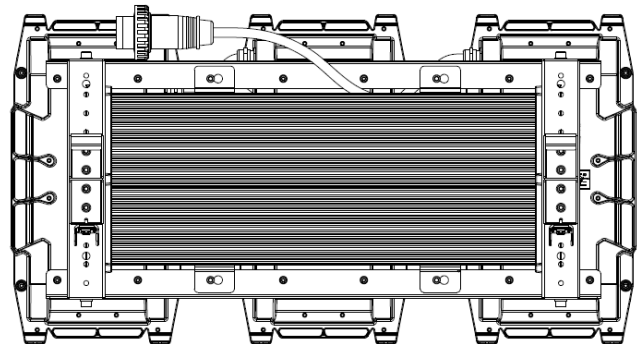
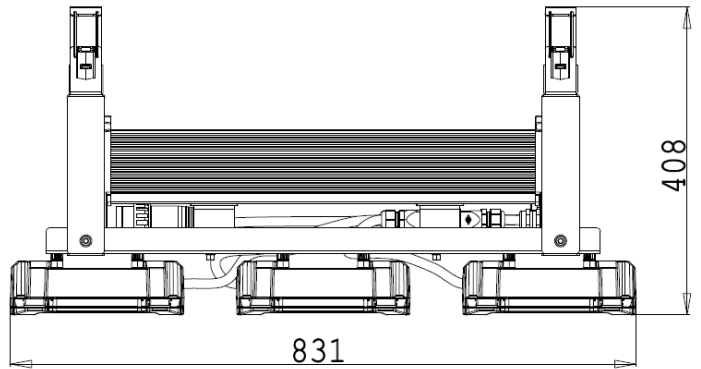
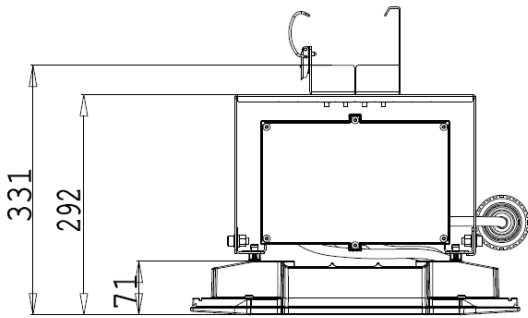


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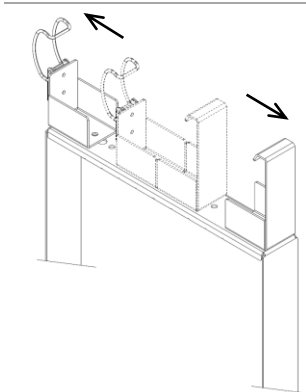
Product sheet

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. 1.8 kg
 Tilt angle on request.

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.

