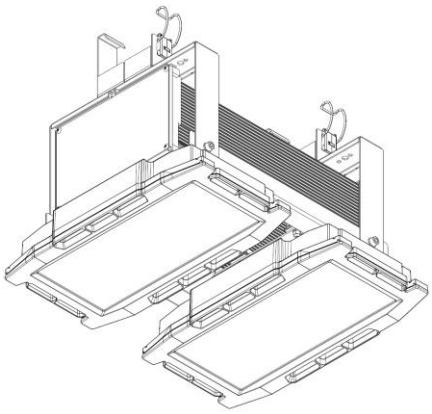
Product sheet



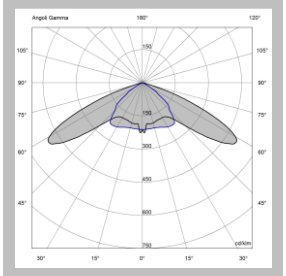
GALILEO 2 TUNNEL EB

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: 168 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	Mounting with adjustable integrated flange (*See fixing flange section*)
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

IK08 IP66 EXEMPT GROUP HIGH PERFORMANCE OPTIC AEC THERMO FLOW

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 not dimmable. DB: Dual Power with control wire. DALI: Digital dimming interface DALI. PLM: Power Line single point communication system. FLC: Constant light flux.
Surge protection	SPD integrated 10kV-10kA, type II, with LED signal and thermo fuse to disconnect load at the end of life. (only CL. I)
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. Powder painted.
Body	
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
Colour	Graphite Cod. 01



SS-6W Optic

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

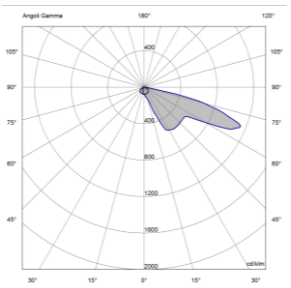
Product sheet

LUMINAIRE	OPTICS	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 2 Tunnel EB 0F6 6.5-4M	SS-7A SS-7M SS-7W	525	19780	150	132	23605	140
Galileo 2 Tunnel EB 0F6 6.5-5M		525	23910	190	126	29507	175
Galileo 2 Tunnel EB 0F6 6.5-6M		525	28430	224	127	35408	210
Galileo 2 Tunnel EB 0F6 6.7-4M	SS-7A SS-7M SS-7W	700	24360	201	121	29880	190
Galileo 2 Tunnel EB 0F6 6.7-5M		700	29360	254	116	37350	237
Galileo 2 Tunnel EB 0F6 6.7-6M		700	34900	300	116	44820	285
Galileo 2 Tunnel EB 0F6 6.5-4M	SS-6A SS-6M SS-6W	525	20370	150	136	23605	140
Galileo 2 Tunnel EB 0F6 6.5-5M		525	24620	188	131	29507	175
Galileo 2 Tunnel EB 0F6 6.5-6M		525	29280	227	129	35408	210
Galileo 2 Tunnel EB 0F6 6.7-4M	SS-6A SS-6M SS-6W	700	25090	201	125	29880	190
Galileo 2 Tunnel EB 0F6 6.7-5M		700	30230	253	119	37350	237
Galileo 2 Tunnel EB 0F6 6.7-6M		700	35960	304	118	44820	285
Galileo 2 Tunnel EB 0F6 6.5-4M	ASC-4W	525	20850	150	139	23605	140
Galileo 2 Tunnel EB 0F6 6.5-5M		525	24960	190	131	29507	175
Galileo 2 Tunnel EB 0F6 6.5-6M		525	29820	224	133	35408	210
Galileo 2 Tunnel EB 0F6 6.7-4M	ASC-4W	700	25660	201	128	29880	190
Galileo 2 Tunnel EB 0F6 6.7-5M		700	30660	254	121	37350	237
Galileo 2 Tunnel EB 0F6 6.7-6M		700	36630	300	122	44820	285
Galileo 2 Tunnel EB 0F6 6.5-4M	ASC-5W	525	20460	150	136	23605	140
Galileo 2 Tunnel EB 0F6 6.5-5M		525	24610	190	130	29507	175
Galileo 2 Tunnel EB 0F6 6.5-6M		525	29260	224	131	35408	210
Galileo 2 Tunnel EB 0F6 6.7-4M	ASC-5W	700	25190	201	125	29880	190
Galileo 2 Tunnel EB 0F6 6.7-5M		700	30220	254	119	37350	237
Galileo 2 Tunnel EB 0F6 6.7-6M		700	35930	300	120	44820	285
Galileo 2 Tunnel EB 0F6 6.5-4M	ASC-6W	525	20170	150	134	23605	140
Galileo 2 Tunnel EB 0F6 6.5-5M		525	24260	190	128	29507	175
Galileo 2 Tunnel EB 0F6 6.5-6M		525	28850	224	129	35408	210
Galileo 2 Tunnel EB 0F6 6.7-4M	ASC-6W	700	24830	201	124	29880	190
Galileo 2 Tunnel EB 0F6 6.7-5M		700	29780	254	117	37350	237
Galileo 2 Tunnel EB 0F6 6.7-6M		700	35420	300	118	44820	285
Galileo 2 Tunnel EB 0F6 6.5-4M	ASC-7W	525	19780	150	132	23605	140
Galileo 2 Tunnel EB 0F6 6.5-5M		525	23910	190	126	29507	175
Galileo 2 Tunnel EB 0F6 6.5-6M		525	28430	224	127	35408	210
Galileo 2 Tunnel EB 0F6 6.7-4M	ASC-7W	700	24360	201	121	29880	190
Galileo 2 Tunnel EB 0F6 6.7-5M		700	29360	254	116	37350	237
Galileo 2 Tunnel EB 0F6 6.7-6M		700	34900	300	116	44820	285

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.

The characteristics of the product listed above are subjected to change without notice.
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%.



ASP-7W Optic

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

Product sheet

LUMINAIRE	OPTIC	LED Current (mA)	INRUSH CURRENT Duration 50%pk (µs)	INRUSH CURRENT Peak (A)	MCB B-Type 10A / 16A / 25A	MCB C-Type 10A / 16A / 25A	SURGE PROTECTION CL.I (CM / DM, kV)	SURGE PROTECTION CL.II (CM / DM, kV)
Galileo 2 Tunnel EB 0F6 6.5-4M	SS-7A SS-7M SS-7W	525	210	57	3 / 6 / 10	6 / 10 / 16	10 / 10	8 / 8
Galileo 2 Tunnel EB 0F6 6.5-5M		525	330	62	2 / 4 / 7	4 / 7 / 10	10 / 10	8 / 8
Galileo 2 Tunnel EB 0F6 6.5-6M		525	330	62	2 / 4 / 7	4 / 7 / 10	10 / 10	8 / 8
Galileo 2 Tunnel EB 0F6 6.7-4M	SS-7A SS-7M SS-7W	700	330	62	2 / 4 / 7	4 / 7 / 10	10 / 10	8 / 8
Galileo 2 Tunnel EB 0F6 6.7-5M		700	330	62	2 / 4 / 7	4 / 7 / 10	10 / 10	8 / 8
Galileo 2 Tunnel EB 0F6 6.7-6M		700	330	62	2 / 4 / 7	4 / 7 / 10	10 / 10	8 / 8
Galileo 2 Tunnel EB 0F6 6.5-4M	SS-6A SS-6M SS-6W	525	210	57	3 / 6 / 10	6 / 10 / 16	10 / 10	8 / 8
Galileo 2 Tunnel EB 0F6 6.5-5M		525	330	62	2 / 4 / 7	4 / 7 / 10	10 / 10	8 / 8
Galileo 2 Tunnel EB 0F6 6.5-6M		525	330	62	2 / 4 / 7	4 / 7 / 10	10 / 10	8 / 8
Galileo 2 Tunnel EB 0F6 6.7-4M	SS-6A SS-6M SS-6W	700	330	62	2 / 4 / 7	4 / 7 / 10	10 / 10	8 / 8
Galileo 2 Tunnel EB 0F6 6.7-5M		700	330	62	2 / 4 / 7	4 / 7 / 10	10 / 10	8 / 8
Galileo 2 Tunnel EB 0F6 6.7-6M		700	330	62	2 / 4 / 7	4 / 7 / 10	10 / 10	8 / 8
Galileo 2 Tunnel EB 0F6 6.5-4M	ASC-4W	525	210	57	3 / 6 / 10	6 / 10 / 16	10 / 10	8 / 8
Galileo 2 Tunnel EB 0F6 6.5-5M		525	330	62	2 / 4 / 7	4 / 7 / 10	10 / 10	8 / 8
Galileo 2 Tunnel EB 0F6 6.5-6M		525	330	62	2 / 4 / 7	4 / 7 / 10	10 / 10	8 / 8
Galileo 2 Tunnel EB 0F6 6.7-4M	ASC-4W	700	330	62	2 / 4 / 7	4 / 7 / 10	10 / 10	8 / 8
Galileo 2 Tunnel EB 0F6 6.7-5M		700	330	62	2 / 4 / 7	4 / 7 / 10	10 / 10	8 / 8
Galileo 2 Tunnel EB 0F6 6.7-6M		700	330	62	2 / 4 / 7	4 / 7 / 10	10 / 10	8 / 8
Galileo 2 Tunnel EB 0F6 6.5-4M	ASC-5W	525	210	57	3 / 6 / 10	6 / 10 / 16	10 / 10	8 / 8
Galileo 2 Tunnel EB 0F6 6.5-5M		525	330	62	2 / 4 / 7	4 / 7 / 10	10 / 10	8 / 8
Galileo 2 Tunnel EB 0F6 6.5-6M		525	330	62	2 / 4 / 7	4 / 7 / 10	10 / 10	8 / 8
Galileo 2 Tunnel EB 0F6 6.7-4M	ASC-5W	700	330	62	2 / 4 / 7	4 / 7 / 10	10 / 10	8 / 8
Galileo 2 Tunnel EB 0F6 6.7-5M		700	330	62	2 / 4 / 7	4 / 7 / 10	10 / 10	8 / 8
Galileo 2 Tunnel EB 0F6 6.7-6M		700	330	62	2 / 4 / 7	4 / 7 / 10	10 / 10	8 / 8
Galileo 2 Tunnel EB 0F6 6.5-4M	ASC-6W	525	210	57	3 / 6 / 10	6 / 10 / 16	10 / 10	8 / 8
Galileo 2 Tunnel EB 0F6 6.5-5M		525	330	62	2 / 4 / 7	4 / 7 / 10	10 / 10	8 / 8
Galileo 2 Tunnel EB 0F6 6.5-6M		525	330	62	2 / 4 / 7	4 / 7 / 10	10 / 10	8 / 8
Galileo 2 Tunnel EB 0F6 6.7-4M	ASC-6W	700	330	62	2 / 4 / 7	4 / 7 / 10	10 / 10	8 / 8
Galileo 2 Tunnel EB 0F6 6.7-5M		700	330	62	2 / 4 / 7	4 / 7 / 10	10 / 10	8 / 8
Galileo 2 Tunnel EB 0F6 6.7-6M		700	330	62	2 / 4 / 7	4 / 7 / 10	10 / 10	8 / 8
Galileo 2 Tunnel EB 0F6 6.5-4M	ASC-7W	525	210	57	3 / 6 / 10	6 / 10 / 16	10 / 10	8 / 8
Galileo 2 Tunnel EB 0F6 6.5-5M		525	330	62	2 / 4 / 7	4 / 7 / 10	10 / 10	8 / 8
Galileo 2 Tunnel EB 0F6 6.5-6M		525	330	62	2 / 4 / 7	4 / 7 / 10	10 / 10	8 / 8
Galileo 2 Tunnel EB 0F6 6.7-4M	ASC-7W	700	330	62	2 / 4 / 7	4 / 7 / 10	10 / 10	8 / 8
Galileo 2 Tunnel EB 0F6 6.7-5M		700	330	62	2 / 4 / 7	4 / 7 / 10	10 / 10	8 / 8
Galileo 2 Tunnel EB 0F6 6.7-6M		700	330	62	2 / 4 / 7	4 / 7 / 10	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

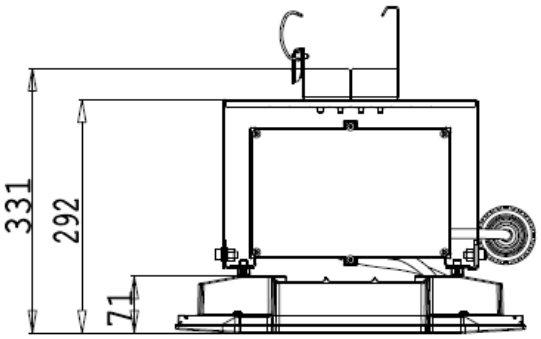
NOTE 2: Power supply manufacturer never did any considerations about 50A or 63A MCB. So we can't declare anything about using of MCB higher than 25A.

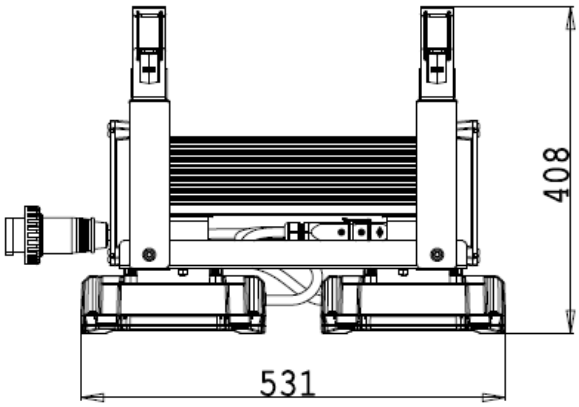
Product sheet

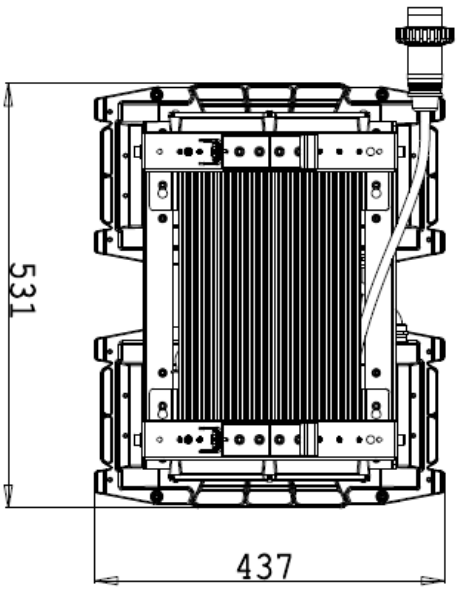
GALILEO 2 TUNNEL EB

DIMENSIONAL DRAWINGS

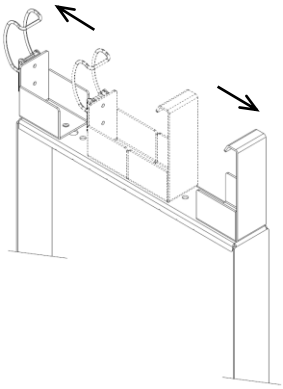
WEIGHT WITHOUT FIXING FLANGE: 19 kg
SIDE SURFACE: 0.10 m^2
TOP SURFACE: 0.20 m^2







FIXING FLANGE



Adjustable fixing flange for cable channel 100x75mm up to 300x75mm. 1.8 kg
Tilt angle on request.