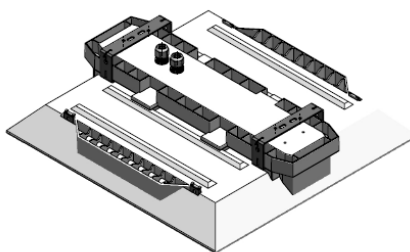
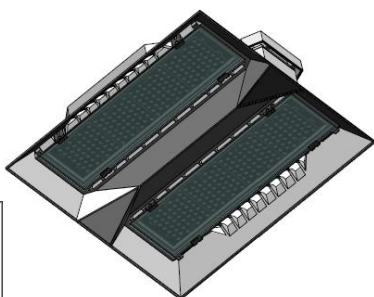




Product sheet



GQ1

MAIN CHARACTERISTICS

Applications	Indoor lighting
Optic	HB-M: Symmetric optic for indoor lightning, mid emission. HB-W: Symmetric optic for indoor lightning, large emission. HB-L: Symmetric optic for indoor lightning, lambertian. Colour temperature: 4000K (3000K optional) CRI ≥ 80 Photobiological safety class: EXEMPT GROUP LED source efficiency: 165 lm/W @ 180mA, Tj=85°C, 4000K
Insulation class	I
Protection degree	IP66 IK08 Total
LED Modules	Removable optical unit.
Tilt Angle	0°
Dimensions	See the drawing
Weight	7 kg
Mounting	Ceiling fixing. Wall fixing accessory. Suspended on cable. Suspended with chain. Enclosed duct fixing.
Gear tray	Removable.
Operating temp.	-40°C / +50°C
Storage temperature	-40°C / +80°C
Main reference standards	EN 60598-1, EN 60598-2-1, EN 60598-2-24, EN 62471, EN 55015, EN 61547, EN 61000-3-2, EN 61000-3-3, EN 62493

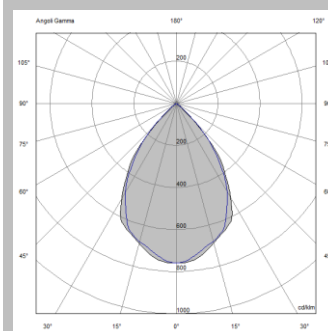


ELECTRICAL CHARACTERISTICS

Rated voltage	220÷240V 50/60Hz
Power factor	>0,9 (at full load)
Mains connection	Branch wiring: H05VV-F 3/5x1.5 mm ²
Surge protection	Pulse withstand up to 4 kV
Control system (optional)	F: Fixed power. (base version) DALI: Regulation by DALI digital interface. SP: Presence detector / lighting sensor.
Optical unit lifetime (Tq=25°C)	>100.000hr L80B10 >100.000hr L80 TM-21

MATERIALS

Fixing	Stainless steel.
Heat-sink	Die-cast aluminium UNI EN1706. Powder painted.
Canopy	
Body	
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	Plastic M16x1.5 - IP68
Gasket	Polyurethane
Colour	White cod. 2D



Optica HB-M

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



LUMINAIRE	LED Current (mA)	OPTICS	RATED LUMINAIRE FLUX ¹ (Tq=25°C, 4000K, lm)	RATED LUMINAIRE POWER ¹ (Tq=25°C, Vin=230Vac, W)	LUMINAIRE EFFICACY (Tq=25°C, lm/W)	RATED LED FLUX ² (Tj=85°C, 4000K, lm)	RATED LED POWER ² (Tj=85°C, W)
GQ1 0V45 4.39-4M	390	HB-E	10450	70	149	12854	66
GQ1 0V45 4.48-4M	480	HB-M HB-W	12800	87	147	15584	83
GQ1 0V45 4.39-6M	390	HB-E	15500	105	148	19281	99
GQ1 0V45 4.48-6M	480	HB-M HB-W	18800	129	146	23377	124
GQ1 0V45 4.42-8M	420	HB-E	22200	152	146	27572	143
GQ1 0V45 4.48-8M	480	HB-M HB-W	25150	174	145	31169	165

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

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.

