

# GL2 Compact

## 5102

Optic: 5102








Protector: Flat, Glass Extra Clear, Smooth

Source: 48 LEDs

Matrix: 33631S



### Characteristics

|   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|
|  |  |  |  |  |  |  |
| 538   | 193   | 137   | 6,0   | IP 66   | IK 08   | I   |
| Length (mm)   | Width (mm)  | Height (mm)   | Weight (kg)   | Tightness level*  | Impact resistance*  | Electrical class*   |

\* According to IEC-EN60598 and IEC-EN62262

### Features

Compact, powerful and efficient LED solution to cover the lighting the entrance, threshold and interior zones

- Maximised savings in energy and maintenance costs
- LensoFlex®2 offering high performance photometry, comfort and safety
- Flexible solution: extruded aluminium profile to adjust number of LEDs for tunnel requirements
- High tightness level and excellent heat dissipation for long lasting performance
- High level of protection against corrosion, impact and vibrations
- Various inclination possibilities on-site for optimal photometry
- Control system can be integrated into the backbone system

### Information for 1000 lm matrix

|                    |                                      |
|--------------------|--------------------------------------|
| Efficacy (%): 85,7 | G Class (EN 13201-2): G6             |
| ULOR (%): 0,0      | Imax (cd): 362                       |
| DLOR (%): 85,7     | Aperture 0-180°: 78 - 78             |
| UWLR (%): 0,0      | Aperture 90-270°: 35 - 35            |
|                    | I 70-80-90-95 (cd): 313 - 76 - X - X |

### US standard

IES Type: II - Short  
Nema type: 7x6

### Photometrical characteristics

| LED count          | Colour code | Colour name   | CCT (K) | CRI | Current (mA) | Luminaire power (W) | Luminaire output flux (lm) | Luminaire efficacy (lm/W) | Peak (cd) | BUG Rating |
|--------------------|-------------|---------------|---------|-----|--------------|---------------------|----------------------------|---------------------------|-----------|------------|
| Ambient temp = 25° |             |               |         |     |              |                     |                            |                           |           |            |
| 48                 | NW          | Neutral White | 4250    | 70  | 350          | 53                  | 5880                       | 111                       | 2126      | B2 U0 G2   |
| 48                 | NW          | Neutral White | 4250    | 70  | 500          | 75                  | 7879                       | 105                       | 2848      | B3 U0 G2   |
| 48                 | NW          | Neutral White | 4250    | 70  | 700          | 106                 | 9996                       | 94                        | 3614      | B3 U0 G3   |

## Summary

### CONCEPT

Family of 5 tunnel LED luminaires:

Applications:

Dimensions (mm):

- Width: 193,00
- Height: 137,00
- Length: 538,00

Weight (kg): 6,00

Recommended height installation: between 4,00 and 6,00m

A flexible solution to cover all the lighting requirements of different tunnel areas

High tightness level IP66 and excellent heat dissipation (the driver and LED engine are in separate compartments) for long lasting performance

### HOUSING & FINISH

- Housing in extruded aluminium protected by electrolytic oxidation (class 15)
- End caps: high-pressure, die-cast aluminium, polyester powder coated
- Screws in stainless steel
- Protector: thermally hardened glass
- A door on one of the end caps provides access to the electronic compartment.

Quick connectors allow easy removal of the gear tray.

- Colour: RAL 7040 light grey
- Luminaire Cd.S(drag): N/A
- Tightness - driver & optical: IP66
- Shock resistance: IK08

### INSTALLATION

- Flexible installation, GL2 Compact can be fitted to all types of mounting systems
- Standard adjustable bracket: a tiltable bracket from -60° to +60° allows a precise on-site setting
- This versatile fixation is designed to be used in all kind of configuration: central line, corners or wall mounting

### OPTICAL UNIT

- IP66 optical unit
- Protected against lens degradation with a 5mm thick extra clear hardened glass
- Flatbed PCB with acrylic lens overlay principle
- Various photometric distributions for lighting town, motorway and railway tunnels, underpasses
- The photometry can be symmetrical or asymmetrical for excellent luminance uniformity
- CRI > 70
- ULR: 0%

### LED lumen depreciation

- Lifetime residual flux @ Tq=25°C @ 100.000 hrs : 350mA&500mA:90% ; 700mA:80%

### ELECTRICAL

- Class I
- Input voltage: 120-277V - 50-60Hz
- Power factor > 90% at full load
- 10kV surge protection

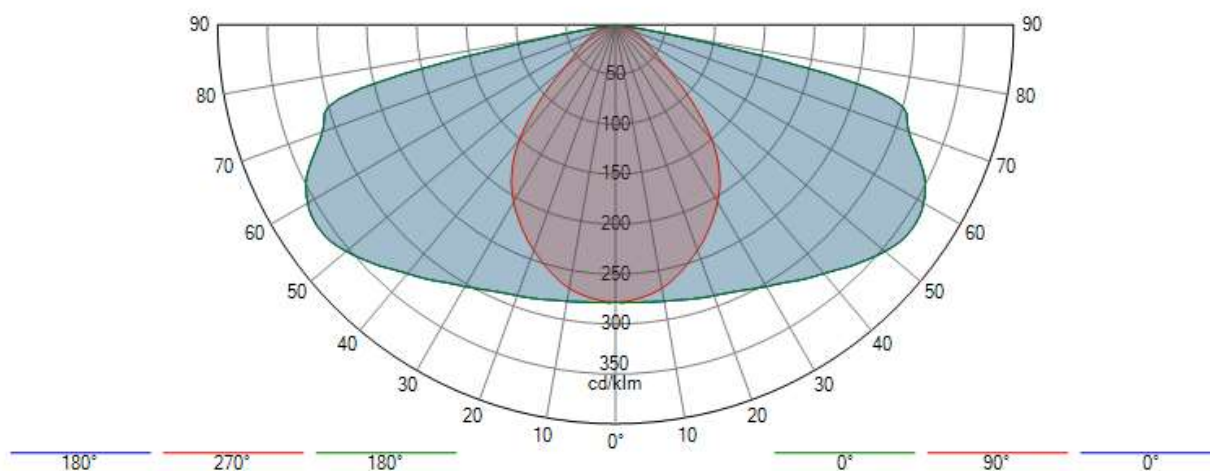
### STANDARDS & CERTIFICATIONS

- CE
- ENEC
- LM79-80
- ETL
- ROHS
- All measurements in ISO17025 accredited laboratory

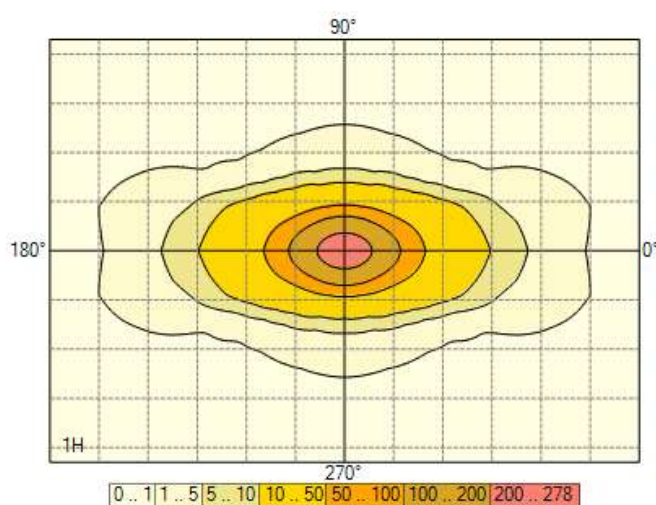
### OPTIONS

- Other RAL or AKZO colours
- Other fixations
- CW or WW LEDs
- Control system: Bi-Power, Dimming 1 -10V, DALI, Custom Program

### Polar/Cartesian diagram



### Isolux



### K-Curve

