

1892 - Rodio LED - street optics

Code: 414776-30



Many different designs, with different wattages and optics for a result that is always of the highest quality. These luminaires are ideal for illuminating façades, street, sports facilities, residential areas and in any outdoor application.

The Rodio family comprises several versions, with asymmetric, narrow-beam and wide-beam optics, also available in wide beam and street curve versions, and Virtual Midnight option. Equipped with LEDs, these luminaires offer perfect glare-free light control. You can choose versions with lenses or with COB LEDs for better lighting performance. All models feature high light quality, colour temperatures of 3000 or 4000K and excellent colour rendering. Also available in Amber colour versions.



GENERAL INFORMATION

|         |                                  |
|---------|----------------------------------|
| Article | 1892 - Rodio LED - street optics |
| Code    | 414776-30                        |

DIMENSIONS AND WEIGHT

|             |        |
|-------------|--------|
| Length (mm) | 568 mm |
| Width (mm)  | 333 mm |
| Height (mm) | 80 mm  |
| Weight (Kg) | 6 kg   |

INSTALLATION

|                              |                           |
|------------------------------|---------------------------|
| Surface exposed to wind (mm) | L 39000 mm², F 142000 mm² |
|------------------------------|---------------------------|

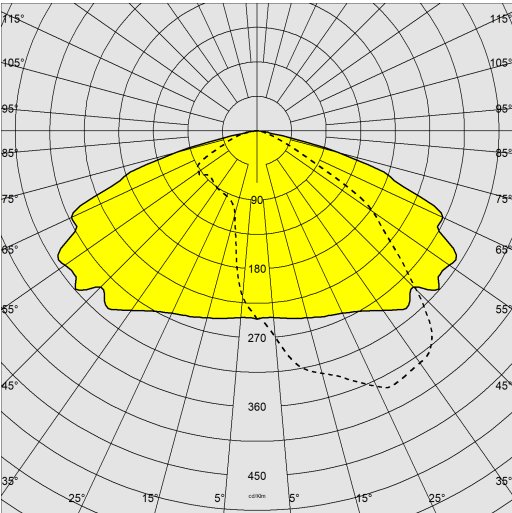
ELECTRICAL CHARACTERISTICS AND CONTROLS

|                                     |                       |
|-------------------------------------|-----------------------|
| Voltage type                        | AC                    |
| Min Voltage (V)                     | 220 V                 |
| Max Voltage (V)                     | 240 V                 |
| Min Frequency (Hz)                  | 50 Hz                 |
| Max Frequency (Hz)                  | 60 Hz                 |
| Frequency (Hz)                      | 50 Hz                 |
| Wiring name                         | CLD                   |
| Power factor                        | ≥0.9                  |
| Surge protector (common) (EN 61547) | 10 kV, 10 kV          |
| Insulation class                    | Class I               |
| Controllability                     | Yes (Integrated)      |
| Integrated Function                 | Virtual Midnight (VM) |

1892 - Rodio LED - street optics

Code: 414776-30

PHOTOMETRIC DATA



|                              |                                                                                      |
|------------------------------|--------------------------------------------------------------------------------------|
| Lighting source              | LED                                                                                  |
| CRI                          | 80                                                                                   |
| Luminous flux (output) (lm)  | 17211 lm                                                                             |
| Power absorption (total) (W) | 118 W                                                                                |
| CCT                          | 4000 K                                                                               |
| Luminous efficacy (lm/W)     | 146 lm/W                                                                             |
| Low Flicker                  | luminaire with very low flicker: evenly distributed light for greater visual safety. |
| Colour consistency           | SDCM4                                                                                |
| LED flux maintenance         | 100000 hr, L 90, B 10                                                                |

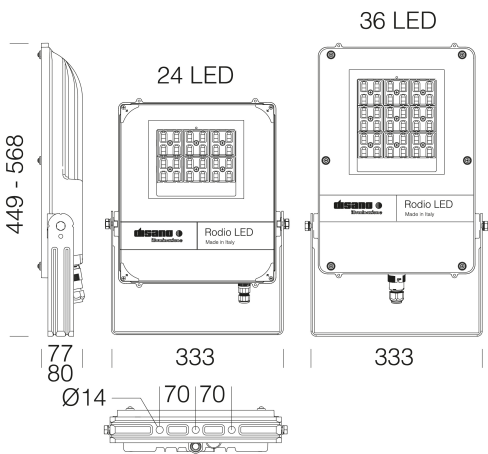
MECHANICAL CHARACTERISTICS

|                               |        |
|-------------------------------|--------|
| Impact resistance rating (IK) | IK09   |
| IP                            | 66     |
| Ambient temperature - min     | -40 °C |
| Ambient temperature - max     | 40 °C  |

1892 - Rodio LED - street optics

Code: 414776-30

MATERIALS AND COLOURS



DOWNLOAD

MOUNTS

AssemblyInstructions rodio 05-24.pdf

DESIGNS

BIM 1892 street type 11-23.zip

TechnicalDrawing 1892.dxf



|                                |                                                                                                                                                                                                                                                                                                                                                             |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Housing                        | in die-cast aluminium with cooling fins integrated in the cover.                                                                                                                                                                                                                                                                                            |
| Optics                         | in high-performance PMMA resistant to high temperatures and UV rays.                                                                                                                                                                                                                                                                                        |
| Diffuser                       | tempered glass, 5 mm thick, resistant to thermal shock and impact (UNI EN 12150-1:2001).                                                                                                                                                                                                                                                                    |
| Heat sink                      | the heat sink is designed and made to allow the LEDs to operate at temperatures capable of ensuring excellent performance/output and long service life.                                                                                                                                                                                                     |
| Coating                        | the fully automated powder-coating cycle involves a polyester-based, salt-spray corrosion-resistant and UV-stabilised paint.                                                                                                                                                                                                                                |
| Special coating (UPON REQUEST) | <ul style="list-style-type: none"> <li>- Upon request: protective coating recommended for marine environments within 5 km (3 miles) of the sea.</li> <li>- Upon request: conformal coating compliant, subcode -38 with high chemical resistance for environments with a high concentration of chlorine</li> </ul>                                           |
| Colour                         | Graphite                                                                                                                                                                                                                                                                                                                                                    |
| Equipment                      | <ul style="list-style-type: none"> <li>- with galvanised and painted bracket</li> <li>- waterproof connector for quick installation with no need to open the fixture</li> <li>- EN 61547 compliant surge protection</li> <li>- anti-condensation valve</li> <li>- silicone rubber gasket</li> <li>- external screws and bolts in stainless steel</li> </ul> |

STANDARDS AND COMPLIANCE

|                              |                                                                                |
|------------------------------|--------------------------------------------------------------------------------|
| Photobiological safety class | RG0 Ethr                                                                       |
| Markings and tests           | CE, ENEC                                                                       |
| Reference standards          | EN60598-1. They have a degree of protection according to the EN60529 standard. |
| Energy Label                 | C                                                                              |

GEAR

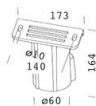
|              |                                                                                                                                                                                                                                                                                                                                                                                                                           |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sensors      |                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Upon request | <ul style="list-style-type: none"> <li>- protection of up to 10kV.</li> <li>Virtual midnight (subcode -30)</li> <li>- amber LED (subcode -73 - 2200K)</li> <li>- possibility of central light management or with external presence/light sensors.</li> <li>special version (with conformal coating treatment with subcode -38) featuring high chemical resistance for environments with high chlorine content.</li> </ul> |

WARRANTY

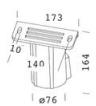
|                      |      |
|----------------------|------|
| After sales warranty | 5 yr |
|----------------------|------|

1892 - Rodio LED - street optics

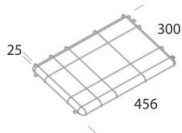
Code: 414776-30



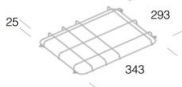
333 Connection for diam. 60 pole



334 Connection for diam. 76 pole



350 Protection grid - Rodio 36LED



350 Protection grid - Rodio 12-24LED