

# 1887 - Rodio LED HP - asymmetric

Code: 414762-00

## GENERAL INFORMATION



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.



|         |                                  |
|---------|----------------------------------|
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## DIMENSIONS AND WEIGHT

|             |          |
|-------------|----------|
| Length (mm) | 568 mm   |
| Width (mm)  | 333 mm   |
| Height (mm) | 90 mm    |
| Weight (Kg) | 9.265 kg |

## INSTALLATION

|                              |  |
|------------------------------|--|
| Surface exposed to wind (mm) | L 45500 mm <sup>2</sup> , F 152900 mm <sup>2</sup> |
|------------------------------|--|

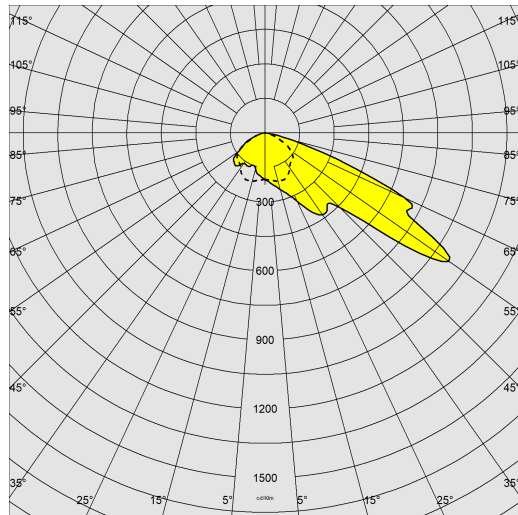
## ELECTRICAL CHARACTERISTICS AND CONTROLS

|                                     |            |
|-------------------------------------|------------|
| 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) | 4 kV, 8 kV |
| Insulation class                    | Class I    |
| Controllability                     | None       |

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### PHOTOMETRIC DATA



|                              |  |
|------------------------------|--|
| Distribution type            | Asymmetric   |
| Lighting source              | LED  |
| CRI                          | 80   |
| Luminous flux (output) (lm)  | 40107 lm   |
| Power absorption (total) (W) | 269 W  |
| CCT                          | 4000 K   |
| Luminous efficacy (lm/W)     | 149 lm/W   |
| Low Flicker                  | luminaire with very low flicker: evenly distributed light for greater visual safety. |
| Colour consistency           | SDCM4  |
| Asymmetry degrees            | 55 °   |
| LED flux maintenance         | 80000 hr, L 80, B 20   |



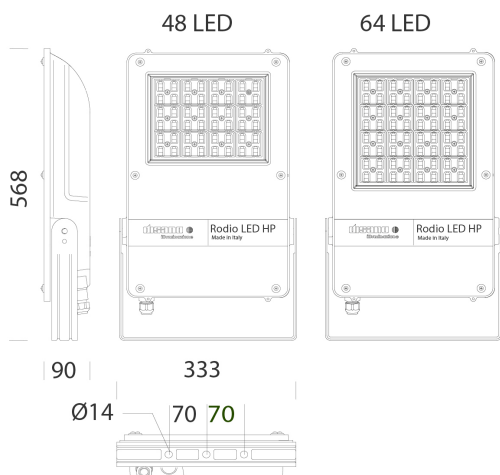
### MECHANICAL CHARACTERISTICS

|                               |        |
|-------------------------------|--------|
| Impact resistance rating (IK) | IK08   |
| IP                            | 66     |
| Ambient temperature - min     | -20 °C |
| Ambient temperature - max     | 40 °C  |

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## MATERIALS AND COLOURS



## DOWNLOAD

### MOUNTS

[AssemblyInstructions rodio hp 12-23.pdf](#)

### DESIGNS

[BIM 1887 HP asymmetric 11-23.zip](#)

[TechnicalDrawing 1887-88-91.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                        | pre-treatment of metal surface, polyester powder coating to ensure resistance to corrosion and salt spray fogs, UV stabilised.   |
| Special coating (UPON REQUEST) | <ul style="list-style-type: none"> <li>- surface coating in compliance with UNI EN ISO 9227 (Corrosion tests in aggressive artificial atmospheres)</li> <li>- 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>- IP68 quick connector</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. With degree of protection according to EN60529. |
| Energy Label                 | C  |

## GEAR

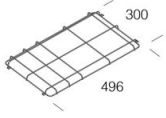
|              |  |
|--------------|--|
| Upon request | <ul style="list-style-type: none"> <li>- protection of up to 10kV. Virtual midnight (subcode -30)</li> <li>- amber LED (subcode -73 - 2200K)</li> <li>- possibility of central light management or with external presence/light sensors.</li> <li>special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

## WARRANTY

|                      |      |
|----------------------|------|
| After sales warranty | 7 yr |
|----------------------|------|

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**350 Protection grid - Rodio HP**



**333 Connection for diam. 60 pole**



**334 Connection for diam. 76 pole**