

1890 - Rodio LED - symmetric wide beam

Code: 414790-00



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	1890 - Rodio LED - symmetric wide beam
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DIMENSIONS AND WEIGHT

Length (mm)	449 mm
Width (mm)	333 mm
Height (mm)	80 mm
Weight (Kg)	5 kg

INSTALLATION

Surface exposed to wind (mm)	L 30000 mm², F 112400 mm²
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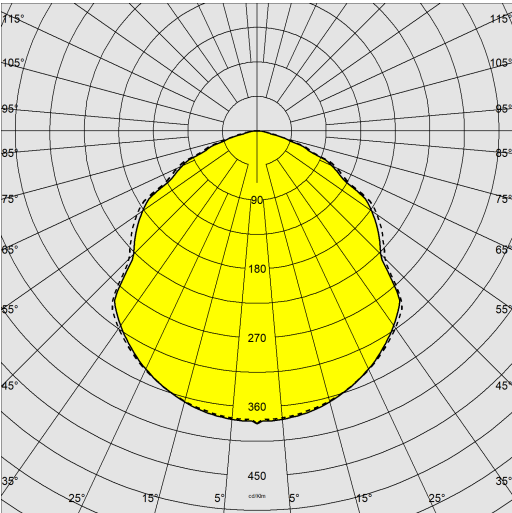
ELECTRICAL CHARACTERISTICS AND CONTROLS

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	None

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PHOTOMETRIC DATA



Distribution type	Symmetric wide beam
Lighting source	LED
CRI	80
Luminous flux (output) (lm)	15584 lm
Power absorption (total) (W)	107 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

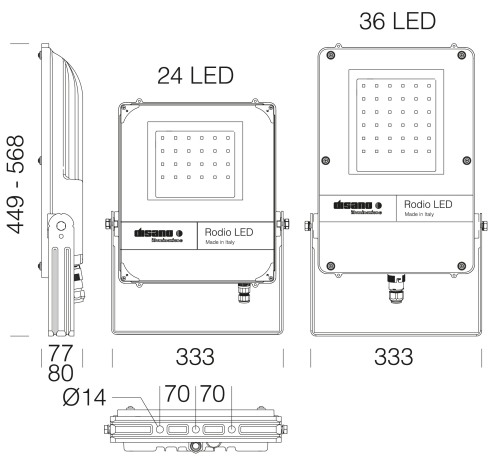
Impact resistance rating (IK)	IK09
IP	66
Ambient temperature - min	-40 °C
Ambient temperature - max	40 °C



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MATERIALS AND COLOURS



DOWNLOAD

MOUNTS

AssemblyInstructions rodio 05-24.pdf

DESIGNS

BIM 1890 symmetric 11-23.zip

TechnicalDrawing 1890.dxf

TechnicalDrawing3D disano 1890 rodio 36 led.3ds



Housing	in die-cast aluminium with cooling fins integrated in the cover.
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

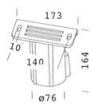
Upon request	<ul style="list-style-type: none"> <li>- protection of up to 10kV. Virtual midnight (subcode -30)</li> <li>- amber LED (subcode -73 - 2200K)</li> <li>- possibility of central light management or with external presence/light sensors.</li> <li>special version (with conformal coating treatment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

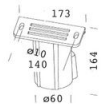
After sales warranty	5 yr
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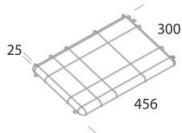
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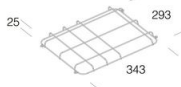
334 Connection for diam. 76 pole



333 Connection for diam. 60 pole



350 Protection grid - Rodio 36LED



350 Protection grid - Rodio 12-24LED