1898 - Rodio HP - COB asymmetric

Code: 414925-00

Versatility, efficiency and outstanding light quality define the Rodio family, a range of floodlights available in different wattages and optical distributions to meet every application requirement. Ideal for enhancing architectural façades, complementing street lighting, illuminating sports facilities and residential areas, Rodio floodlights provide a reliable solution for any outdoor lighting project.
The range includes versions with asymmetric, narrow-beam and wide-distribution optics, as well as specific diffused and street-lighting distributions, ensuring maximum design flexibility.

GENERAL INFORMATION

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DIMENSIONS AND WEIGHT

Length (mm)	568 mm
Width (mm)	333 mm
Height (mm)	90 mm
Weight (Kg)	7.2 kg

INSTALLATION

Surface exposed to wind (mm)	L 45500 mm², F 152900 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
Insulation class	Class I
Controllability	None

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PHOTOMETRIC DATA

Distribution type	Asymmetric
Lighting source	LED
CRI	80
Luminous flux (output) (lm)	36908 lm
Power absorption (total) (W)	246 W
CCT	4000 K
Luminous efficacy (lm/W)	150 lm/W
Low Flicker	luminaire with very low flicker: evenly distributed light for greater visual safety.
Colour consistency	SDCM4
LED flux maintenance	50000 hr, L 90, B 10

MECHANICAL CHARACTERISTICS

Impact resistance rating (IK)	IK09
IP	66
Ambient temperature - min	-20 °C
Ambient temperature - max	40 °C

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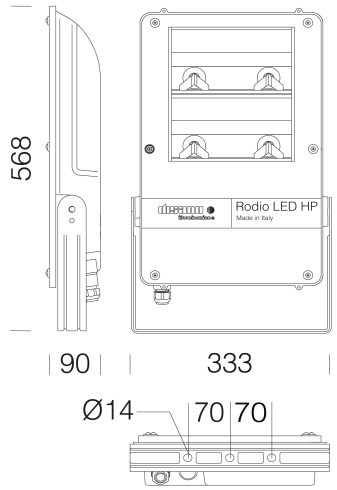

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MOUNTS

AssemblyInstructions rodio 05-24.pdf

DESIGNS

BIM 1898 HP - COB asym 11-23.zip

TechnicalDrawing 1898hp.dxf

MATERIALS AND COLOURS

Housing	in die-cast aluminium with cooling fins integrated in the cover.
Optics	in 99.95 aluminium with PVD coating, satin finish.
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)	- Upon request: protective coating recommended for marine environments within 5 km (3 miles) of the sea. - Upon request: conformal coating compliant, subcode -38 with high chemical resistance for environments with a high concentration of chlorine
Colour	Graphite
Equipment	- with galvanised and painted bracket - waterproof connector for quick installation with no need to open the fixture - EN 61547 compliant surge protection - anti-condensation valve - silicone rubber gasket - external screws and bolts in stainless steel
	Luminous flux maintenance 70%: 100.000h (L70B50) o luminous flux maintenance 90%: 50.000h (L90B10).

EMERGENCY LIGHTING

Emergency power supply type	Not present

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	D

GEAR

Sensors	
Upon request	- protection of up to 10kV. Virtual midnight (subcode -30) - amber LED (subcode -73 - 2200K) - possibility of central light management or with external presence/light sensors. special version (with conformal coating treatment with subcode -38) featuring high chemical resistance for environments with high chlorine content.

WARRANTY

After sales warranty	5 yr

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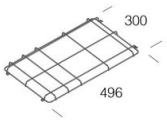

350 Protection grid - Rodio HP-HE

333 Connection for diam. 60 pole

334 Connection for diam. 76 pole