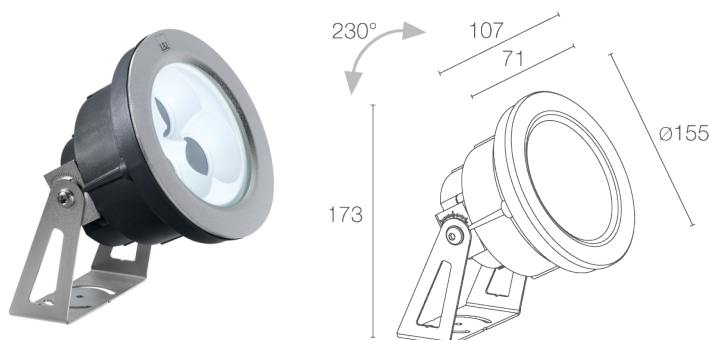


Made in Italy



Moby P 2.0, code: MP20007MI
Projectors for underwater applications

25/04/2024 Rev. 29



DESCRIPTION

projector for underwater applications (not suitable for use in seawater, only suitable for underwater applications); surface mounted (wall, floor), max depth 10 m; Power consumption: 20W; Power supply: 24Vdc; Lumen output at source: W: 884 lm, R: 138 lm G: 259 lm B: 69 lm W: 418 lm (4000K); Delivered lumen output: W: 626 lm, R: 97 lm G: 184 lm B: 48 lm W: 297 lm (4000K, 34°); 3 RGBW power LED groups, 50 000h L90 B10 (Ta 25°C); LED colour: RGBW; Optics: 34°: optical system consisting of a high-efficiency, deep-set TIR lens combined with a high-quality technical filter; Body material: body made of heat-dissipating technopolymer with a thermal conductivity equal to that of stainless steel. Trim in AISI 316L stainless steel, made on a CNC lathe then micro-peened, passivated and electropolished to guarantee excellent corrosion resistance. Bracket in AISI 316L stainless steel, tumble finished and painted; Finishes: stainless steel; Screen material: 12-mm-thick transparent extra-clear glass, tempered for excellent resistance to knocks and scratches. Mixing chamber to ensure the light's chromatic uniformity; power supply unit not included; includes 5 m FEP+RUB cable (equivalent to H05RN-F cable), 6x0,50 Ø6.3 mm; Ingress protection: IP65, IP68; Impact resistance: IK10; Casambi control using the Casambi app with dedicated electronics; Protection systems: IPS (Intelligent Protection System) protects lighting fixtures from water infiltrations, which can occur if there are faulty junctions between the cables in outdoor or underwater applications. This innovation, patented by L&L, also guarantees electrical protection against polarity reversal, hot plugging, ESD and power surges, which can occur if there are faults in the electrical circuit; This is an NTC thermistor mounted on the LED board to protect the lighting fixture against overheating. Should the product function at an operating temperature greater than the maximum temperature at which it can operate correctly, the protection is activated and gradually reduces the power. The NTC causes the integrated electronic parts to cool down to avoid the lighting fixture instantly switching itself off. When the operating temperature is again within normal range, the NTC automatically restores the lighting fixture's original operating conditions; Operating temperature: 0°C — +45°C (installation underwater); Glow wire test: 960°; Photobiological safety: photobiological safety: risk group 1 according to EN 62471:2006; Appliance class: class III; Weight: 1550 g; Dimensions: Ø155x173 mm; Energy efficiency class: F (light source) in accordance with EU 2019/2015; Accessories: WH0402 Honeycomb louvre ; tested and approved via E.O.L. (End Of Line) test with functioning test and check of electrical power consumption

Status: Available

ELECTRICAL CHARACTERISTICS

Power consumption	20W
Power supply	24Vdc
Power supply unit	power supply unit not included

LIGHTING CHARACTERISTICS

Number and type of LED	3 RGBW power LED groups
Average LED life	50 000h L90 B10 (Ta 25°C)
LED colour	RGBW
Optics	34°
Lumen output at source	W: 884 lm, R: 138 lm G: 259 lm B: 69 lm W: 418 lm (4000K)
Delivered lumen output	W: 626 lm, R: 97 lm G: 184 lm B: 48 lm W: 297 lm (4000K, 34°)

MECHANICAL CHARACTERISTICS

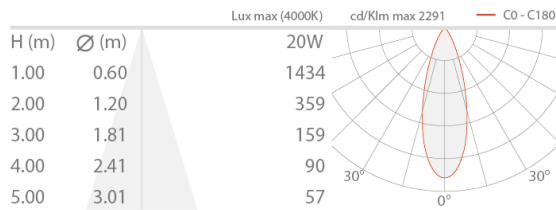
Dimensions	Ø155x173 mm
Weight	1550 g
Finishes	stainless steel
Mounting	with screws and plugs
Body material	body in thermally conductive technopolymer, trim in AISI 316L stainless steel, bracket in AISI 316L stainless steel
Screen material	screen in tempered, transparent extra-clear glass

GENERAL CHARACTERISTICS

Ingress protection	IP65, IP68
Operating temperature	0°C — +45°C (installation underwater)
Impact resistance	IK10
Energy efficiency class	F (light source) in accordance with EU 2019/2015
Glow wire test	960°
Appliance class	class III
Walkover	no
Drive-over	no
Power cables	includes 5 m FEP+RUB cable (equivalent to H05RN-F cable), 6x0,50 Ø6.3 mm
Protection systems	IPS (Intelligent Protection System); NTC (thermistor mounted on LED board)
Photobiological safety	photobiological safety: risk group 1 according to EN 62471:2006
Notes	Casambi control using the Casambi app with dedicated electronics

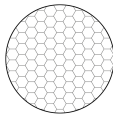
PHOTOMETRIC DATA

M - 34°



ACCESSORIES

Anti-glare



WH0402

Honeycomb louvre
built into the lighting fixture
Order together with the lighting fixture.

L&L Luce&Light SRL reserves the right to change the information contained in this document at any time without prior notice being given.