DATASHEET

L&L Luce&Light

Made in Italy

Moby P 1.0, code: MP10007MI
Projectors for underwater applications

CE · UKCA · EHC · IS 10322 R-41105201 · LED TECH · III · kg 1,35 · IP68 · IK10 · IPS · F · 165° / 5°
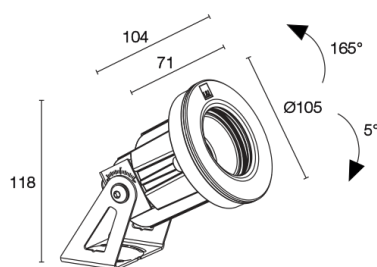
DESCRIPTION

projector for underwater applications (suitable for use in seawater, only suitable for underwater applications); surface mounted (wall, floor), max depth 10 m; Power consumption: 10W; Power supply: 24Vdc; Lumen output at source: RGBW: 563 lm, R: 35 lm G: 225 lm B: 73 lm W 230 lm (4000K); Delivered lumen output: RGBW: 400 lm, R: 25 lm G: 160 lm B: 52 lm W 163 lm (4000K); 1 RGBW power LED group, 50 000h L90 B10 (Ta 25°C); LED colour: RGBW; Optics: 35°: 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: IP68; Impact resistance: IK10; suitable for use in sea water; 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; Operating temperature: 0°C — +45°C (installation underwater); Glow wire test: 960°C; Photobiological safety: photobiological safety: risk group 1 according to EN 62471:2006; Appliance class: class III; Weight: 1350 g; Dimensions: Ø105x118 mm; Energy efficiency class: F (light source) in accordance with EU 2019/2015; Accessories: WH0401 Honeycomb louvre ; tested and approved via E.O.L. (End Of Line) test with functioning test and check of electrical power consumption

Status: Available

L&L Luce&Light srl / via Trescalini, 5 / 36031 Dueville, Vicenza / Italy
T +39 0444 36 05 71 / E lucelight@lucelight.it / www.lucelight.it

1/3

ELECTRICAL CHARACTERISTICS

Power consumption	10W
Power supply	24Vdc
Power supply unit	power supply unit not included

LIGHTING CHARACTERISTICS

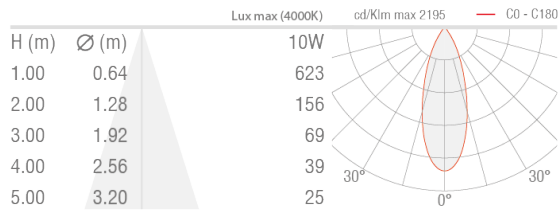|	
Number and type of LED	1 RGBW power LED group
Average LED life	50 000h L90 B10 (Ta 25°C)
LED colour	RGBW
Optics	35°
Lumen output at source	RGBW: 563 lm, R: 35 lm G: 225 lm B: 73 lm W 230 lm (4000K)
Delivered lumen output	RGBW: 400 lm, R: 25 lm G: 160 lm B: 52 lm W 163 lm (4000K)

MECHANICAL CHARACTERISTICS

Dimensions	Ø105x118 mm
Weight	1350 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

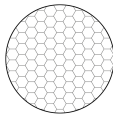|	
Ingress protection	IP68
Operating temperature	0°C — +45°C (installation underwater)
Impact resistance	IK10
Energy efficiency class	F (light source) in accordance with EU 2019/2015
Glow wire test	960°C
Appliance class	class III
Walkover	no
Drive-over	no
Power cables	includes 5 m FEP+RUB cable (equivalent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

L&L Luce&Light srl / via Trescalini, 5 / 36031 Dueville, Vicenza / Italy
T +39 0444 36 05 71 / E lucelight@lucelight.it / www.lucelight.it

2/3

PHOTOMETRIC DATA

M – 35°

H (m)	Ø (m)	Lux max (4000K) 10W
1.00	0.64	623
2.00	1.28	156
3.00	1.92	69
4.00	2.56	39
5.00	3.20	25

cd/Klm max 2195   — C0 - C180

30°   30°

0°

ACCESSORIES

Anti-glare

WH0401
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.

L&L Luce&Light srl / via Trescalini, 5 / 36031 Dueville, Vicenza / Italy
T +39 0444 36 05 71 / E lucelight@lucelight.it / www.lucelight.it

3/3