DATASHEET

Made in Italy

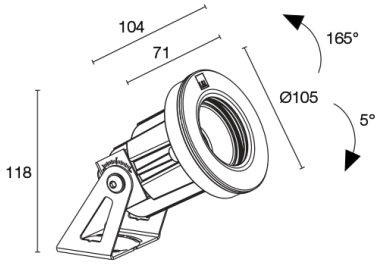
06/11/2026 Rev. 12/2024

Moby P 1.0, code: MP10007MI

Projectors for underwater applications

kg 1,35 IP68 IK10 AC19® IPS NTC 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 machined and finished with a special AC19® treatment developed by Luce&Light, to guarantee excellent corrosion resistance of more than 2000 hours of salt spray. Bracket in AISI 316L stainless steel, machined and finished with a special AC19® treatment developed by Luce&Light, to guarantee excellent corrosion resistance of more than 2000 hours of salt spray; 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; 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°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

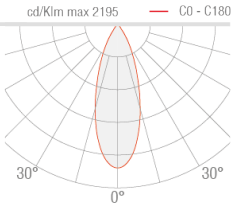
Status: Available

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 and bracket in AISI 316L stainless steel with a special AC19® treatment developed by Luce&Light
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); NTC (thermistor mounted on LED board)
Photobiological safety	photobiological safety: risk group 1 according to EN 62471:2006
Notes	suitable for use in sea water

PHOTOMETRIC DATA

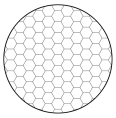
M – 35°

H (m)	∅ (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



ACCESSORIES

Anti-glare



WH0401
Honeycomb louvre
built into the lighting fixture
Order together with the lighting fixture

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