Made in Italy

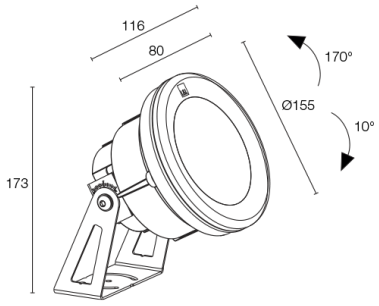
12/11/2026 Rev. 12/2024

# Moby P 2.1, code: MP21007LV

Projectors for underwater applications

kg 2,20 IP68 IK10 IPS NTC F 170° 10°






## 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: 25W; Power supply: 24Vdc; Lumen output at source: RGBW: 1694 lm, R: 104 lm G: 676 lm B: 224 lm W 690 lm (4000K); Delivered lumen output: RGBW: 1203 lm, R: 74 lm G: 480 lm B: 159 lm W 490 lm (4000K); 3 RGBW power LED groups, 50 000h L90 B10 (Ta 25°C); LED colour: RGBW; Optics: 59°: 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. Bracket in AISI 316L stainless steel, tumble finished and painted; Screen material: glass cover in 12-mm-thick, tempered extra-clear glass with vitrified serigraphy suitable for installations in seawater and guaranteeing resistance to corrosion and 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: 2200 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

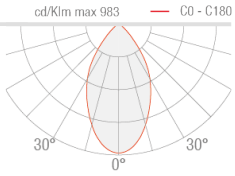
Status: Available

| | |
|---|---|
| **ELECTRICAL CHARACTERISTICS** | |
| Power consumption | 25W |
| 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 | 59° |
| Lumen output at source | RGBW: 1694 lm, R: 104 lm G: 676 lm B: 224 lm W 690 lm (4000K) |
| Delivered lumen output | RGBW: 1203 lm, R: 74 lm G: 480 lm B: 159 lm W 490 lm (4000K) |
| **MECHANICAL CHARACTERISTICS** | |
| Dimensions | Ø155x173 mm |
| Weight | 2200 g |
| Mounting | with screws and plugs |
| Body material | body in thermally conductive technopolymer, bracket in AISI 316L stainless steel |
| Screen material | glass cover with vitrified serigraphy |
| **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

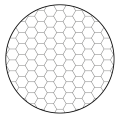
L – 59°

| H (m) | ∅ (m) | Lux max (4000K) 25W |
|---|---|---|
| 1.00 | 1.13 | 821 |
| 2.00 | 2.25 | 205 |
| 3.00 | 3.38 | 91 |
| 4.00 | 4.51 | 51 |
| 5.00 | 5.63 | 33 |




## 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.