

Made in Italy

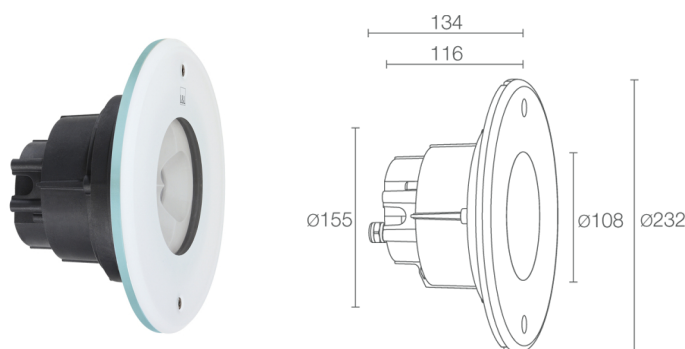


Moby 2.1, code: MY21005WV

Recessed for underwater applications

17/05/2024 Rev. 32

CE UKCA ENEC LED TECH III kg 2,20 IP65 IP68 IK10 IPS NTC CASAMBI



## DESCRIPTION

recessed for underwater applications (suitable for use in seawater, only suitable for underwater applications); recessed (wall), max depth 10 m; Power consumption: 20W; Power supply: 24Vdc; Lumen output at source: 1522 lm (3000K); Delivered lumen output: 1078 lm (3000K, 34°); 3 power LEDs groups, 2-step MacAdam, 50 000h L90 B10 (Ta 25°C); LED colour: 3000K; Optics: 31°x64°: optical system consisting of a high-efficiency, deep-set TIR lens combined with a high-quality elliptical technical filter.; CRI Colour Rendering Index: 80; Body material: body made of heat-dissipating technopolymer with a thermal conductivity equal to that of stainless steel; 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 neoprene cable, H05RN-F 2x1,00 Ø6.8 mm; Ingress protection: IP65, IP68; Impact resistance: IK10; not suitable for use in swimming pools with liners; 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: 2200 g; Dimensions: Ø232x134 mm; Cutout dimensions: Ø260 mm; Energy efficiency class: F (light source) in accordance with EU 2019/2015; Accessories: WC5202 Outer casing, 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 power LEDs groups
Average LED life	50 000h L90 B10 (Ta 25°C)
LED colour	3000K
CRI Colour Rendering Index	80
Binning	2-step MacAdam
Optics	31°x64°
Lumen output at source	1522 lm (3000K)
Delivered lumen output	1078 lm (3000K, 34°)

### MECHANICAL CHARACTERISTICS

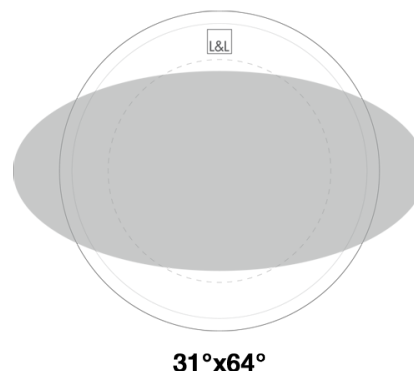
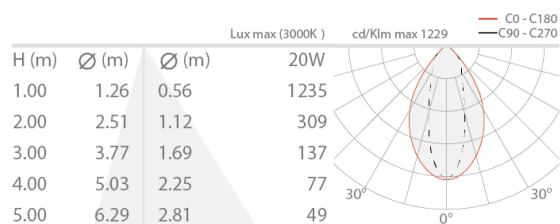
Dimensions	Ø232x134 mm
Weight	2200 g
Mounting	with outer casing
Body material	body in thermally conductive technopolymer
Screen material	glass cover with vitrified serigraphy
Cutout dimensions	Ø260 mm

### 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 neoprene cable, H05RN-F 2x1,00 Ø6.8 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	not suitable for use in swimming pools with liners; Casambi control using the Casambi app with dedicated electronics

## PHOTOMETRIC DATA

**W – 31°x64°**



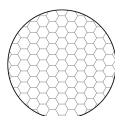
## ACCESSORIES

### Installation Accessories



**WC5202**  
 Outer casing

### Anti-glare



**WH0402**  
 Honeycomb louvre  
 built into the lighting fixture  
 Order together with the lighting fixture.

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