

LED LIGHT

Model BLT-16K-001

Datasheet – English



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LED LIGHT

MODEL BLT-16K-001

The model BLT-16K-001 LED light, developed by BMPTECH, is designed to integrate into underwater inspection systems that demand high luminous intensity and superior quality. With a power rating of 80W, it meets strict performance requirements in submerged environments.

The model is equipped with a power system that operates within a range of (63 to 220) VAC e (24 to 300) VDC, ensuring compatibility with any type of underwater system.

Additionally, it provides operational flexibility through multiple integration options.

The external housing is made of 6Al4V GR5 titanium alloy, ensuring resistance to pressures at depths of up to 4,500 meters. With dimensions of 100mm in diameter and 149.90mm in length (excluding the connector), the light is both compact and robust.

The light features operational modes, diagnostics, and configuration adjustments via software.

The equipment is available with a wide range of connectors and cables, with BMPTECH's Quick Connector Series being the recommended solution for greater efficiency and reliability.

Operational Modes:

- **Input Voltage:** (63 to 220) VAC e (24 to 300) VDC;
- **Interface communication:** Wi-Fi, RS232 and RS485;
- **Intensity Control Method:** (0-5) VDC, (0-10) VDC, (4-20) mA, RS232, RS485 and AC Dimmer;
- **Connector Type:** BMPTECH's *Quick Connector Series* is recommended as the ideal standard.



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MODEL BLT-16K-001

TECHNICAL SPECIFICATIONS

Electrical	Voltage	(63 to 220)VAC / (24 to 300)VDC
	Electrical power	(100W)
	Connector	Contact us for more information
	Communication	Wi-Fi, RS232 and RS485
	Intensity control method	(0-5) VDC; (0-10) VDC; (4-20 mA); RS232; RS485; AC Dimmer
Optical	Window	Optical Grade Acrylic
	Typical luminous flux	16.000 lumens
	Colour temperature	5,000K, 5,700K, 6,000K, or 6,500K (to be defined by the client)
	Beam angle	120°
Mechanical	Housing	6Al4V GR5 Titanium alloy
	Dimensions	Ø100mm (LED Housing), Ø83mm (Body) x 149.90mm (Length / excluding the connector)
	Weight in air	1.2Kg
Environmental	Depth rating	4.500m
	Storage temperature	(-30 to 100)°C
	Operating temperature	(-20 to 80)°C

DIMENSIONS

