

# UV LIGHT

## Model BLT-365UV-001

### DATASHEET



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## MODEL BLT-365UV-001

The model BLT-365UV-001 UV 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.

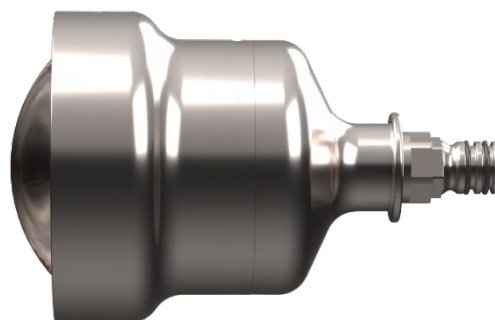
The model is equipped with a power system that operates within a range of (24 to 350) VAC/VDC, ensuring compatibility with any type of underwater system. Additionally, it provides operational flexibility through multiple work modes.

The external housing is made of 6Al4V GR5 titanium alloy, ensuring pressure resistance at depths of up to 4,500 meters. With dimensions of 100mm in diameter and 125mm in length (excluding the connector), the light is both compact and robust.

The light features operational modes, self-diagnosis 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:** (24 to 350) VAC/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:** The BMPTECH Quick Connector Series is recommended as the ideal standard.



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## TECHNICAL SPECIFICATIONS

|                      |                          |                                                                               |
|----------------------|--------------------------|-------------------------------------------------------------------------------|
| <b>Electrical</b>    | Voltage                  | (24 to 350)VAC/VDC                                                            |
|                      | Electrical power         | (80W)                                                                         |
|                      | 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                     |
| <b>Optical</b>       | Window                   | Optical Grade Acrylic                                                         |
|                      | Typical luminous flux    | (24W)                                                                         |
|                      | Typical wavelength       | 365nm                                                                         |
|                      | Beam angle               | 60°                                                                           |
| <b>Mechanical</b>    | Housing                  | 6Al4V GR5 Titanium alloy                                                      |
|                      | Dimensions               | Ø100mm (LED Housing), Ø82mm (Body) x 125mm (Length / excluding the connector) |
|                      | Weight in air            | 1,2Kg                                                                         |
| <b>Environmental</b> | Depth rating             | 4.500m                                                                        |
|                      | Storage temperature      | (-30 to 100)°C                                                                |
|                      | Operating temperature    | (-20 to 80)°C                                                                 |

## DIMENSIONS

