

# LUXUS Compact PUR LED



The LUXUS compact PUR (polyurethane) LED light is a low-cost light and ideal for diving applications and all kinds of service and inspection work. The LED has an output of 440 or 780 lumen and is available with different reflectors. The LUXUS compact PUR LED is a wet and dry light and can be used from 200 metres depth up to the deck without the need to be switched off. The electronics has an auto resettings thermal protection switch that protects the LED and LED driver from high temperatures.

The LUXUS compact PUR LED can be dimmed with a reference voltage of 5 to 0 VDC, 10 to 0 VDC and is powered with 24 VDC to 48 VDC. The light comes with a 0.6 m open end cable or terminated with a SubConn® or alternative customer specified connector.

The LUXUS compact PUR LED is the smallest and most cost effective LED light in the LUXUS range and is designed to function perfectly in combination with the LUXUS compact PUR camera and LUXUS media controllers.

The housing is made from PUR and has a depth rating of 200 metres.

## Features and benefits

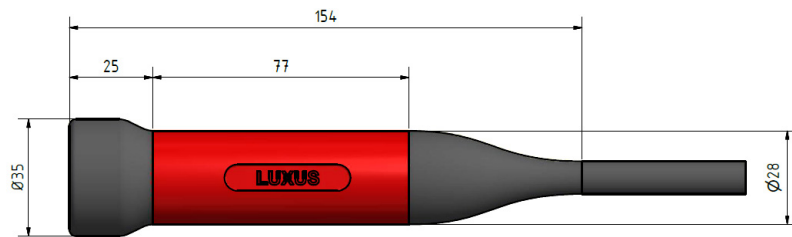
- Lightweight
- Compact
- Wet and dry
- 200 m depth rating
- Thermal protection

## Applications

- Diving applications
- General underwater inspection
- ROV systems
- ROV manipulator systems
- Trencher systems
- Crawler systems
- Tether management systems
- Tow and drop camera systems
- Benthic sledge systems
- Underwater observatory systems
- Winch and deck lighting
- Monitoring monopoles
- Observatory systems

## Options

- 440 lumen or 780 lumen version
- A range of different reflectors
- Alternative connectors
- Custom wiring
- LUXUS helmet mounting bracket
- LUXUS universal mounting bracket
- LUXUS pistol grip bracket
- LUXUS dovetail bracket



## Specifications

### Electrical

440 version

Output:	440 lumen
Power supply:	24-48 VDC
Power consumption:	6.5 W

780 version

Output:	780 lumen
Power supply:	24-48 VDC
Power consumption:	7.5 W

Dimming: 5-0 VDC, 10-0 VDC  
(0V = Max brightness)

Standard wiring  
(brackets = open end):

- 1 (brown) power +
- 2 (blue) power Gnd
- 3 (black) dimming +

### Mechanical

Material:	PUR
Standard connector:	0.6 m pigtail with open end
Other connectors:	MCIL3M or other connectors on request

Dimensions:	See drawing (mm) (1 mm = 0.03937 inch)
Weight:	250 g in air 160 g in water
Window/Lens:	PMMA
Thermal protection:	Yes, auto resetting

### Optical

Beam angle air:	60°, (or 35°)*
Beam angle water:	48°, (or 29°)*
Output:	440/780 lumen
Typical colour temperature:	> 5,600 °K

### Environmental

Depth rating:	200 m
Test pressure:	50 bar
Storage temperature:	-30 to +70 °C
Operating temperature:	-15 to +50 °C

\*optional