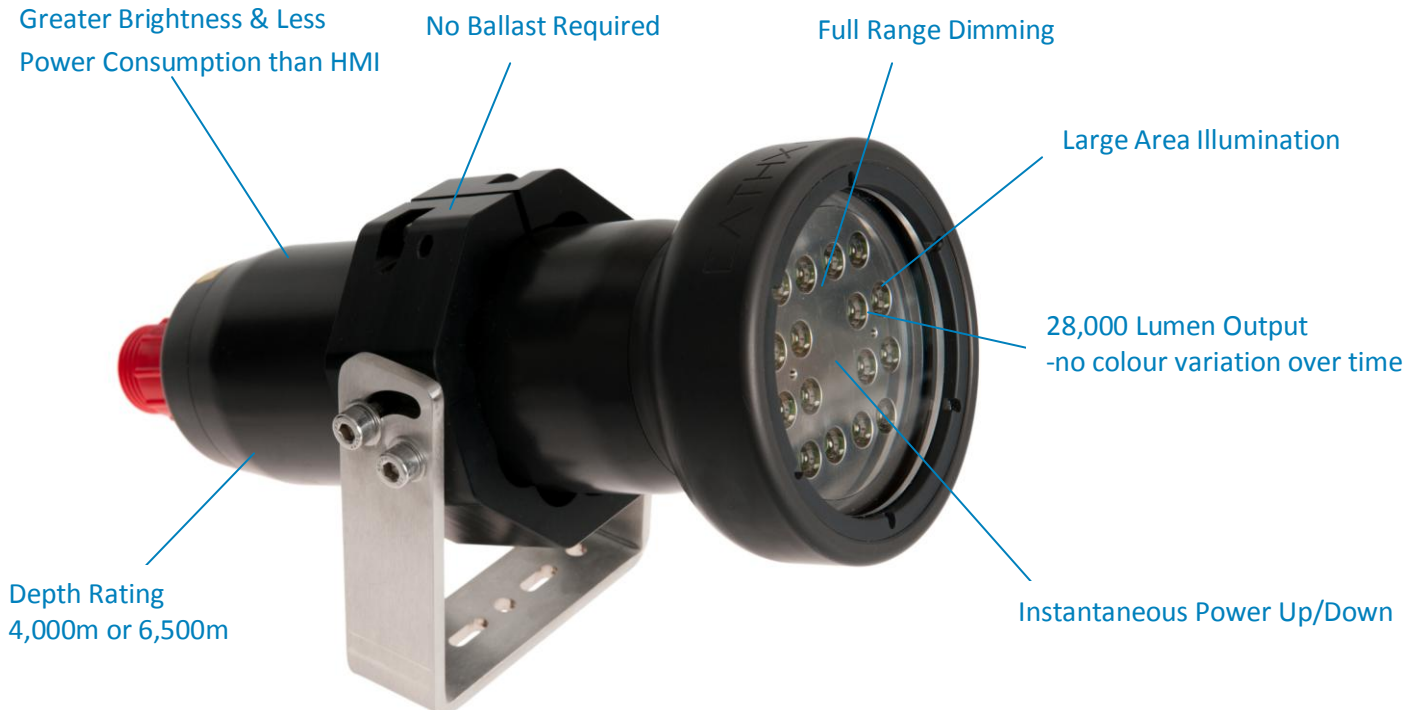


# APHOS 16

## Subsea LED Light



## Overview

The APHOS 16 is a 28,000 lumen LED light for ROV lighting systems up to 6,500m depth. This light is available in both continuous and pulsed mode.

### Wide Area Illumination

High brightness with no colour variation over time.

### Cost Efficient Alternative to HMI

Greater brightness, less power consumption, longer lasting bulbs and the elimination of the ballast requirements make the APHOS 16 the ideal replacement for HMI.

### Instantaneous Power Up

No waiting time for the light to warm up to colour temperature.

### Full Ocean Depth Rating

Pressure tested to 4,000m or 6,500m depth rating plus 50% factor of safety.



### Full Range Dimming

A high brightness light with dimming control enabling flexibility for creating different lighting intensities for close-ups or shots at distance.

### Simple User Interface

Easy to use GUI for configuration and control of individual or multiple lights via RS485.

### Operate on Deck

Auto temperature control and built in thermal protection allows the lights to be pulled directly out of water without the need for a cool down period.

## Specifications

### Performance

Continuous Light Power Output:	28,000 Lumens
Light Colour Temperature:	5,700°K Standard Colour Temperature – Options: 3,000°K - 6,500°K
Beam Angle/Shape:	50° beam angle flood – Options : Other fixed beam angles & shapes
LED Average Life:	>50,000 hours
Thermal Protection:	Auto low power in air -10° to 35°C, microprocessor over temperature control
Control Options:	
Triac (phase dimming)	AC rectified, leading edge, falling edge system compatibility
RS485	Serial control with easy to use GUI
Voltage	Analog voltage control, 0-5V or 0-10V
Dual	Both Triac and RS485 dimming control types

### Electrical

Operating Voltage:	
150	100-200VDC, 120VAC up to 500Hz
300	180-375VDC, 240VAC up to 500HZ
Power Consumption	600W max

### Environmental

Depth Rating:	4,000m or 6,500m
Operating Temperature:	-10°C to 35°C
Options:	Sacrificial anode

### Mechanical

Housing Material:	Hard Anodized 6028-T6 Alloy, with acrylic output window
Dimensions:	130.0mm (5.1in) diameter x 292.0mm (11.5in) length
Weight:	In air <4.8kg (10.6lb) – In water 2.6kg (5.7lbs)
Connector:	Customer Specified
Options:	Mounting Bracket

