

LED Lighting

Solutions



Energy Savings: A conventional 300 watt light will cost use up to £210-00 of electricity in one year. The equivalent Toplevel LED unit will use £25-00. When this saving is considered along with the frequent replacement of conventional underwater lights, then pay back periods may well be under 12 months.

Health and safety: Most underwater lights have an area directly behind the light that can trap water. This water is stagnant and allows bacteria to breed at an alarming rate. Anybody that has changed an underwater light will confirm this.

The Toplevel unit allows water to flow from the rear of the light back into the pool or spa. This is achieved by convection through cut outs built into the light surround.

DATA SHEET

Underwater lighting in swimming pools and spas is now able to take advantage of recent advances in LED technology. Until now the LED's available have not been able to produce the amount of light required reliably.

There are three versions of the pool light supplied, single colour blue or white and multi colour.

The unit is designed to be a direct replacement for the PAR56 lamp and fits most leading manufacturers niches.

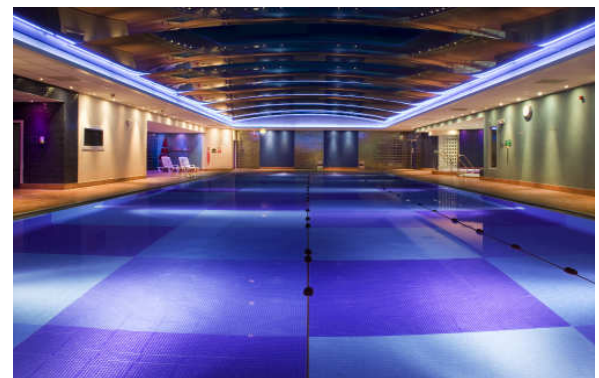
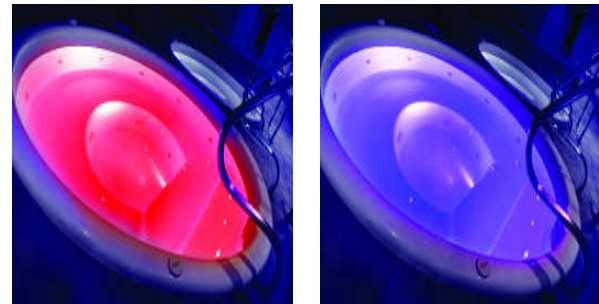
We also supply our surface mount fitting that removes the need for a niche to be set into the swimming pool side.

This light is rated at 36 watts, although this is less than a conventional underwater light, the efficiency and type of light produced by our unit, actually emits more light through the water.

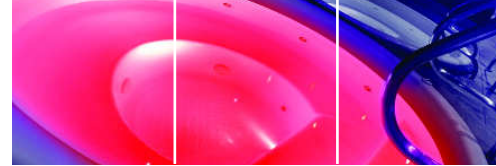
Toplevel also have available a flush mounted single LED unit used for spa's and pool floor illumination. This unit can also be adapted to fit a number of existing niches.

Benefits include:

- High light output
- Energy savings
- Long life up to 10 times that of a normal light
- Compatible with existing installations
- Ease of installation
- No dead areas of water behind light
- Colour options (See reverse for details)



LED Lighting Solutions



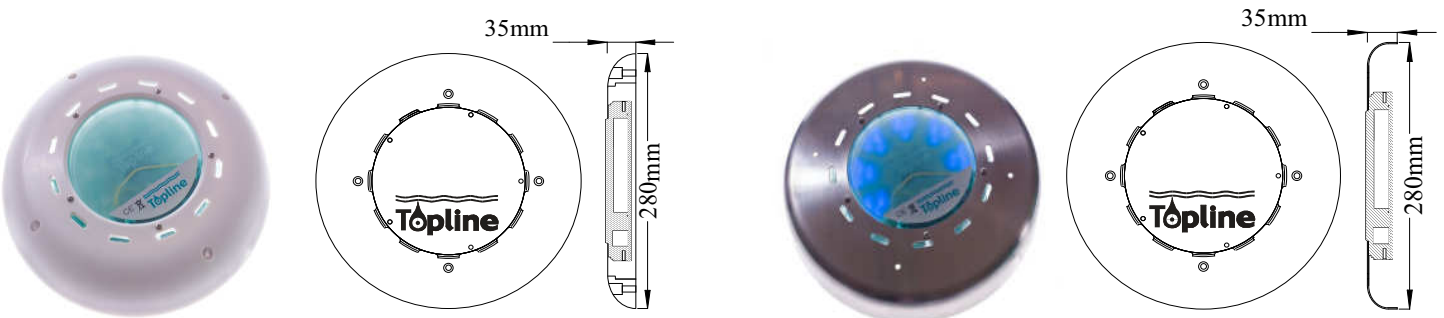
TECHNICAL DATA POOL LIGHTS

Dimensions	170mm dia x 24mm deep IP68 Stainless Steel & acrylic enclosure
Power requirement	12 Volts AC 40VA
Power consumption	36 Watts
Operating temperature	0-40 degrees centigrade
Cable requirement	2 off CSA 1.5mm for power
Colours available	Blue, White and Colour changing



Installation Kits

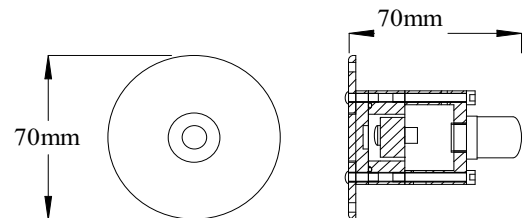
The Topline LED lamp fits Astral, Certikin, Aqua Pharos and Pahlen with the use of our own adaptor kits. The picture opposite shows the unit installed in an Astral Niche.



The Topline LED is designed to fit flush to the pool wall without the need for a niche. The surface mount bezel is available in stainless steel or white plastic.

TECHNICAL DATA MINILIGHT

Dimensions	70mm dia x 70mm deep IP68 Anodised aluminium & acrylic enclosure
Power requirement	3.3 Volts AC 350mA
Power consumption	1 Watts
Operating temperature	0-40 degrees centigrade
Cable requirement	2 off CSA 0.5mm for power
Colours available	Blue, Green, Red and White



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