

# LED-K-365UV

“Blacklight”

## Ultra-violet underwater LED lamp

The Teledyne Bowtech LED-K-365UV-DC features the latest in LED technology. The light produces and emits UV light only. As a result, only usable UV is present, to enable hydrocarbon detection far more effectively than using outdated Black Lights.

The lamp is ideal for use with fluorescent tracer dyes (3 types listed overleaf), for identifying leaks from pipelines, risers and subsea wellhead equipment.

The 3,000 metre rated housing is made from hard anodised Aluminium, Titanium or Stainless Steel, which all offer proven, corrosion resistance.

The lamp has a thermal cut-out, to protect it from extended accidental operation in air and is fitted with a solid state UV array, with a wavelength of 365nm. The light produced is ideal for conventional oil leak detection and is more commonly known as a black light. The lamp is supplied with UV-protective eyewear.



Applications: ROV/AUV, Diver



### PRODUCT FEATURES AND BENEFITS

- 24 Vdc
- 3000m operating depth
- 85° wide beam angle of light
- Rugged construction
- Highly shock and vibration resistant
- Long life 15,000 hours



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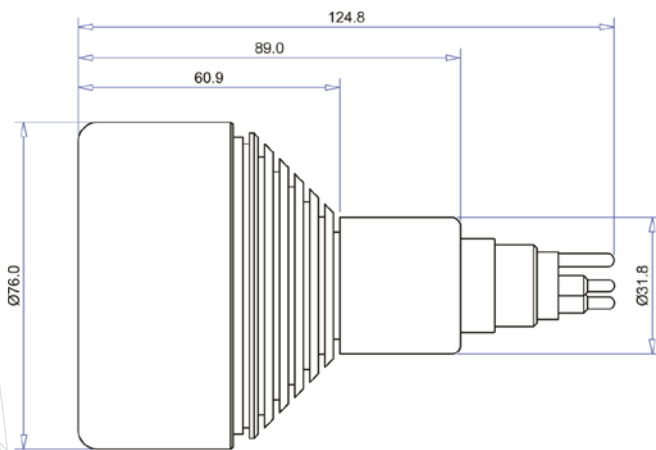
Ultraviolet Underwater LED Lamp

## TECHNICAL SPECIFICATIONS

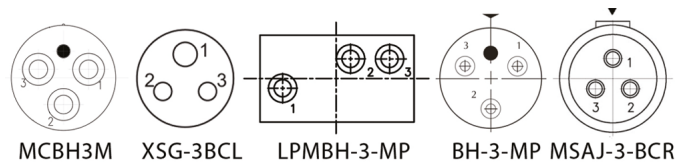
Electrical	Input Power	24 Vdc, 1000 mA
Environmental	Depth Rating	3000m
	Storage Temperature	-30°C to +70°C
	Operating Temperature	-10°C to +40°C
	Housing Material	Hard anodised 6082-T6 aluminium, titanium, stainless steel
Optical	Window	Acrylic
	Typical Radiant Flux	3.5W
	Typical Wavelength	365nm
Mechanical	Model	LED-K-365UV-DC
	Dimensions	76mm (front-end), 31.75mm (body) (d) x 89mm (l) (excluding connector)
	Lamp Type	Solid state UV array
	Weight in Air	460g (aluminium), 670g (titanium), 1080g (stainless steel)
	Weight in Water	240g (aluminium), 450g (titanium), 860g (stainless steel)
	Typical Beam Angle	85° to 50% power points
	Standard Connector	MCBH3M
	Optional Connectors	Large selection of connectors available
	Tested for use with Tracer Dyes	Clear dye, Castrol Transaqua HT2, Pelagic 100

**\*\*WARNING\*\***

UV radiation. Do not view directly with optical instruments. Avoid any eye exposure, neither direct nor with optical systems. The light output of the product may cause injuries to human eyes in circumstances where the products are viewed directly with unshielded eyes for more than a few seconds. Avoid prolonged exposure to skin or other tissue. Each lamp is supplied with UV-protective eyewear.



Connector Face Patterns not to scale



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