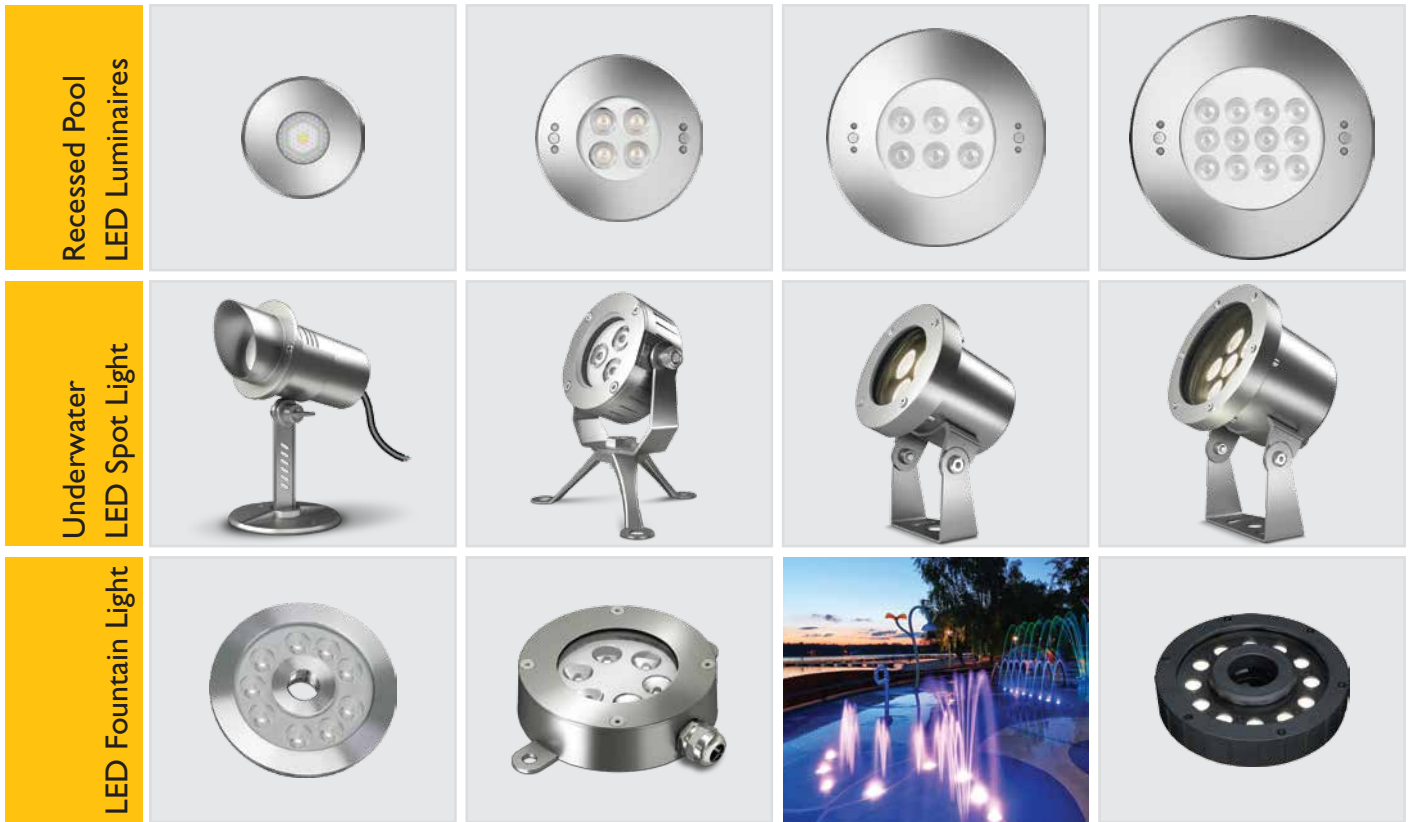




LED Underwater Luminaires

High efficiency LED underwater luminaire for illumination of medium and large swimming pools, water features and fountains revealing underwater architecture. Recessed and Surface mounted version is available with different wattage and optics creating special lighting effects.





Product Benefits

- High luminous efficiency at reduced wattage.
- A sleek and minimalist shape provides distinctive lighting effects for underwater architecture.
- Sustainable LED technology offers durability and optimal light output with low power consumption.

Area of Application

Fountain, swimming pools, water features and other similar applications

The luminous flux and the connected wattage quoted might change as a result of technical progress. For the latest technical information, Installation guidelines and product updates with LED service life please refer to the website at www.klite.in



Important Note : To ensure proper installation, kindly translate / communicate the installation instructions to a qualified electrician in their respective local language.

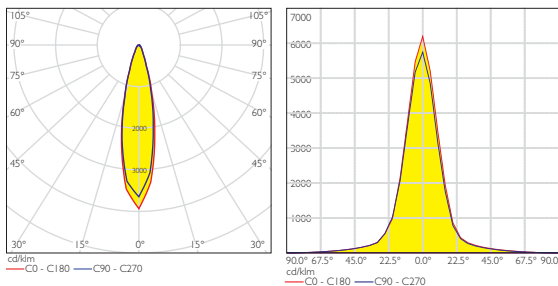


Technical Specifications

- Front cover & housing made of moulded stainless steel grade 316.
- Silicone gasket.
- Toughened glass diffuser T=10mm
- IP-68 PG-II copper with nickel coated cable gland
- Optical lens, efficiency $\geq 85\%$
- PCB made of excellent heat conductivity aluminium $\geq 2.0w/mk$.
- Luminaire hard wired for single colour $2 \times 1.0mm^2$ of 3mts water resistant cable with cable gland.
- 24Vdc product, requires remote power supply.
- Mechanical Resistance : IK08
- Temperature of water between $-20^{\circ}C \sim 40^{\circ}C$ less than 1 metre depth.
- Recommended installation depth 400 to 800mm under the water surface

ID	Voltage	Wattage
4109	24V dc	12 x 2W LED WW

Photometric Data

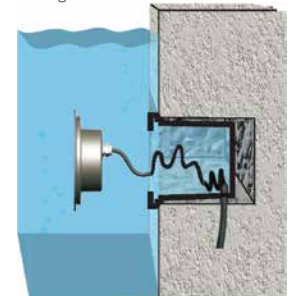


Lux Distance Curve

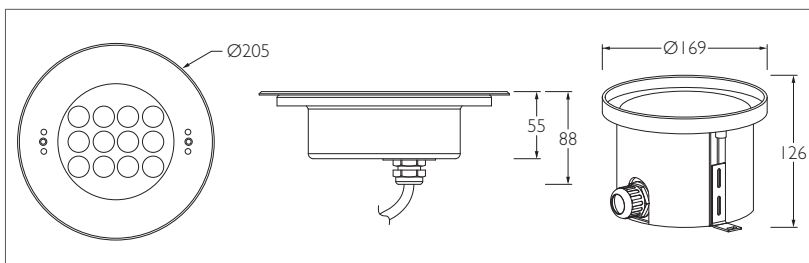
Distance (m)	Illuminance at a Distance	
	Center Beam LUX	Beam Width V H
2m	1435.90 LUX	0.8 m 0.8 m
4m	358.98 LUX	1.6 m 1.5 m
6m	159.54 LUX	2.5 m 2.3 m
8m	89.74 LUX	3.3 m 3.1 m
10m	57.44 LUX	4.1 m 3.9 m
12m	39.89 LUX	4.9 m 4.6 m

Vert. Spread 23.3 Horiz. Spread 21.9

Water must be allowed to go inside and outside sleeve freely without leaking from the other side.



Product Dimension



Beam Angle

