K-LiTE

Underwater Luminaires

High efficiency LED underwater luminaire for illumination of medium and large swimming pools, water features and fountains, revealing underwater architecture.

Product Description

- Luminaire housing made of marine grade stainless steel #316.
- Silicone gasket. Stainless steel screws.
- Clear toughened glass of 7.75mm thickness.
- Optical lens, efficiency >85%.
- Luminaire hard wired for single colour 2 x 1.0mm^2 / RGB 4 x 1.0mm^2 / RGBW 5 x 1.0mm^2 3 metres water resistant
- Recommended installation depth upto 1 metre below the water surface
- Temperature of water between -20°C ~ +40°C.



Area of Application

Fountains, Swimming pools, Water features and other similar applications.



Water Arrestor

Additional Feature

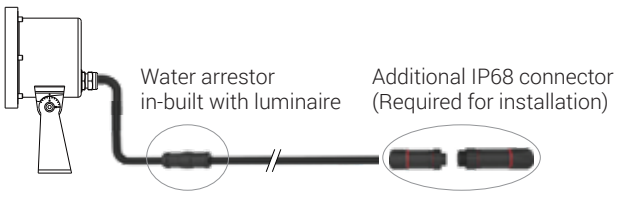
A water arrester in luminaires serves to prevent water intrusion into the fixture, which is especially important given the exposure to outdoor conditions and possible water pooling around the fixture.
Its main functions are:

Pressure Regulation: The water arrester helps regulate internal pressure changes that can occur due to temperature fluctuations. This reduces the risk of water being drawn into the fixture when it cools and contracts & Supports pressure equalization to avoid condensation buildup inside the housing.

Seal Protection: By acting as a barrier to water vapor or moisture, the arrester helps maintain the integrity of seals and gaskets over time, reducing the risk of water ingress and extending the life of the fixture.

Enhanced Durability: Preventing moisture inside the fixture avoids corrosion, electrical shorts, and fogging of the lens, ensuring optimal lighting performance and reducing maintenance needs. Protects internal electrical components from moisture damage.

In short, a water arrestor enhances the longevity and performance of lighting products by keeping internal components dry.



Warranty void if this is cut.



ELDECO SOLANO GARDENS, LUCKNOW



Product Description

- Complete housing made of marine grade stainless steel #316
- PCB made of excellent heat conductivity aluminium ≥2.0w/mk
- Luminaire hard wired for single colour 2 x 1.0mm² / RGB 4 x 1.0mm² / RGBW 5 x 1.0mm² 3 metres water resistant cable.
- Recommended installation depth upto 1 metre below the water surface.

Technical Specifications

General

ID	: 22559
System Wattage	: 18W LED
Driver Mounting	: Non Integral
Operating Current	: 650mA / 1000mA
Operating Temperature	: -20°C ~ +40°C

Physical

Body	: Marine grade SS 316
Diffuser	: Toughened glass T=7.75mm
Gasket	: Clear Silicone

Light Source

Light source	: OSRAM
CRI (Ra)	: ≥80
LED Colour Temperature	: 3000K / RGB / RGBW

Driver Options

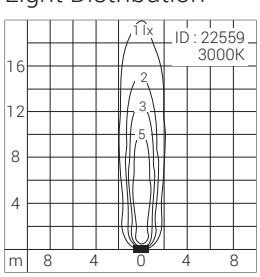
Remote Driver	: 12Vdc
Dimmable	: Dali / RGB - DMX-On Request

Optical

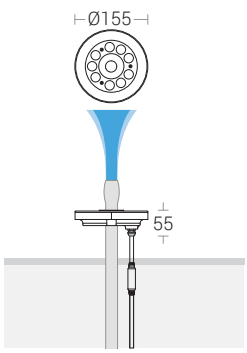
Optical Beam Angle	: 20°
Optical Lens Efficiency	: >85%

IP68 IK08 max 1m

Light Distribution



Applied Photometry : H=1m





Size : Water Jet Pipe G(PF)3/4 Taper