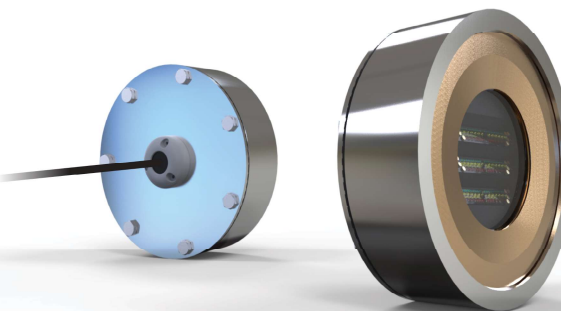




SUPRA SY Series - Dual Color

SY300/310

SY WELD-IN UNDERWATER LED LIGHT



SY300 and SY310 models offers the latest concept in weld-in underwater light fixtures. Making use of a patented internal 'Louvre' lens system, this enables a flush-fit, weld-in flange for each and every underwater light location regardless of hull shape with no loss of light. A simplified installation procedure offers both time and cost savings during installation. The louvered LED array of each light is designed to account for all hull angles, eliminating the light lost in traditional long, angled tube flanges. Available in two models - internally fitted/maintained SY300, and externally fitted/maintained SY310, suitable for installation on transom, side hull, bulbous bow, water tanks, wet and black water areas (SY310 model may also be installed in fuel tanks) without the need for further cofferdams. This provides even hull spacing and maximum light output around the vessel regardless of obstacles within the hull or extreme hull angles.

Available Colors	Dual Color (White and Blue, or White and Warm White)
Lumens	45,000
Fixture Lumens (White)	20,000
Number & Type Of LED	White - 48 x 10W, Blue / Warm White - 108 x 3W
LED Power - HICOB Array	Yes
Typical LED Life	50,000+ Hours
Warranty	3 Years*

* Subject to commissioning review

Traditional Weld-in Lights	SY300/310 Weld-In Lights

SUPRA SY Series - Dual Color

SY300/310

SY WELD-IN UNDERWATER LED LIGHT



TECHNICAL

Driver	External Driver
Supply Voltage Range	Integrated AC Driver (90-240V AC)
Max Current Draw (AC)	2.1 A
Surge Protection	Yes (3,000V)
ATRB (Automatic Thermal Roll-Back)	Yes
Low Voltage Protection	Automatic Voltage Roll-Back Control, and Low Voltage Cut-Out
Auto Power Control	Yes - Intelligent Multi-Channel Power Mgmt
"Soft Start" Electronics Protection	Yes
Reverse Polarity Protection	Yes
In Rush Current Protection	Yes
Power Line Noise Suppression	Yes

PHYSICAL

Beam Angle	110°
Water Ingress Protection Rating	IP68
Flange Diameter	187mm (7.36")
Light Angle Options	Fits any hull angle (0° to 50°)
Flange Angle Options (Degrees)	0° (Flush)
Flange Material Options	Aluminum (5083L), Stainless Steel (316L)
Light Weight	2.7 Kg
Light Cable Length	3m (9'8") Standard (Extension cables available)
Vessel Length	25m and above
Installation Locations	Transom, Side, Bulbous Bow, Water Tank Fuel Tank Installation (SY310 only)

FLANGE WEIGHTS	SY 300	SY 310
316 SS	2.9 KG	4.1 KG
5083 L	1.0 KG	1.4 KG

LIGHTING SYSTEM FUNCTIONALITY

SY SERIES INTEGRATED AC DRIVER

White	Yes
Blue / Warm White	Yes
Dimming Control	Yes
Individually Addressable Lights	Yes
DMX/RDMX Control (via 3rd party controller)	Yes

SY SERIES AC/DC DRIVER

White Only or Blue Only	Yes
White Only or Warm White Only	Yes
White & Blue or White & Warm White Selectable	Yes
Strobe Input	Yes
Dimming	Yes

SY 310

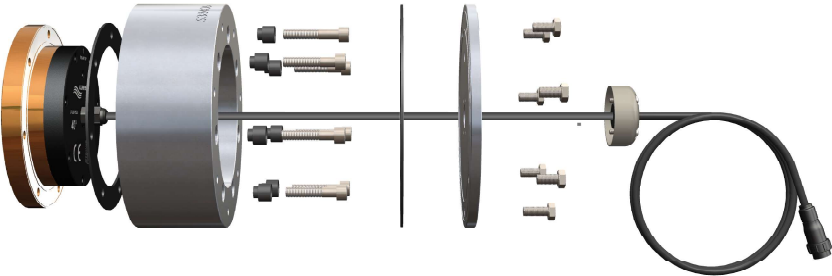
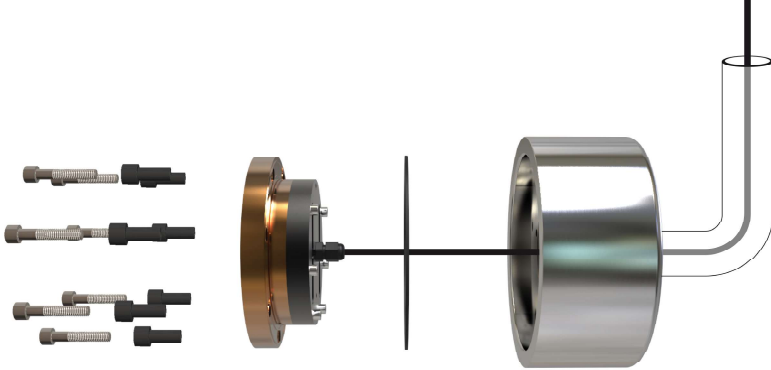



SY 300



DATA IS SUBJECT TO CHANGE WITHOUT NOTICE

LUMISHORE DATASHEET
SUPRA-SY300-310-0120

SY300/310 EXPLODED VIEW	
SY300 INTERNALLY MOUNTED	
SY310 EXTERNALLY MOUNTED	

SY300/310 INSTALLATION EXAMPLES	
Install from shallow to steep hull drafts whilst maintaining the same light beam angle output.	
Tank installation options to maintain even spacing. Internal and external fitted options.	