



**EOS SY Series - Full Color Change**

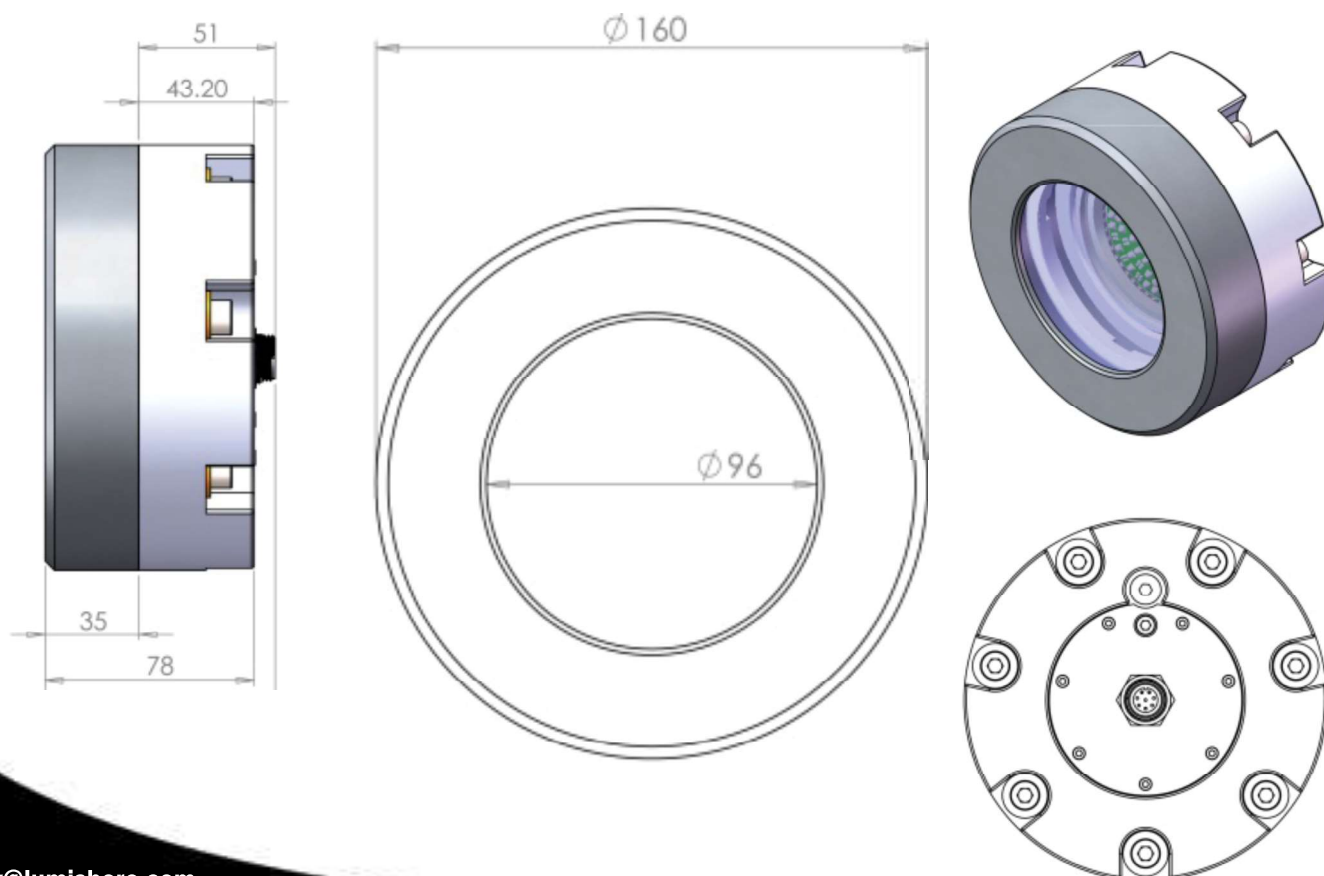
# SY250

SY WELD-IN UNDERWATER LED LIGHT



|                         |   |
|-------------------------|---|
| Available Colors        | Full Color Change (RGBW)  |
| Lumens                  | 27,900  |
| Fixture Lumens (White)  | 12,400  |
| Number & Type Of LED    | White - 36 x 10W, Green - 36 x 3W, Blue - 36 x 3W, Red - 48 x 3W    |
| LED Power - HICOB Array | Yes   |
| Typical LED Life        | 50,000+ Hours   |
| Warranty                | 3 Years*  |
| User Control Options    | Lumishore Controller (2203i or 2204i)<br>DMX Controller (3rd Party) |

\*Subject to commissioning review



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**SY250**

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**TECHNICAL**

|                                     |  |
|-------------------------------------|--|
| Driver                              | Multi-Channel External Driver                                      |
| Supply Voltage Range                | Integrated AC Driver (90-240V AC)<br>24 V DC option also available |
| Max Current Draw (AC)               | 1.4 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  |
| Communication Protocol              | Lumi-DMX (DMX-512/RDMX Compatible)                                 |

**PHYSICAL**

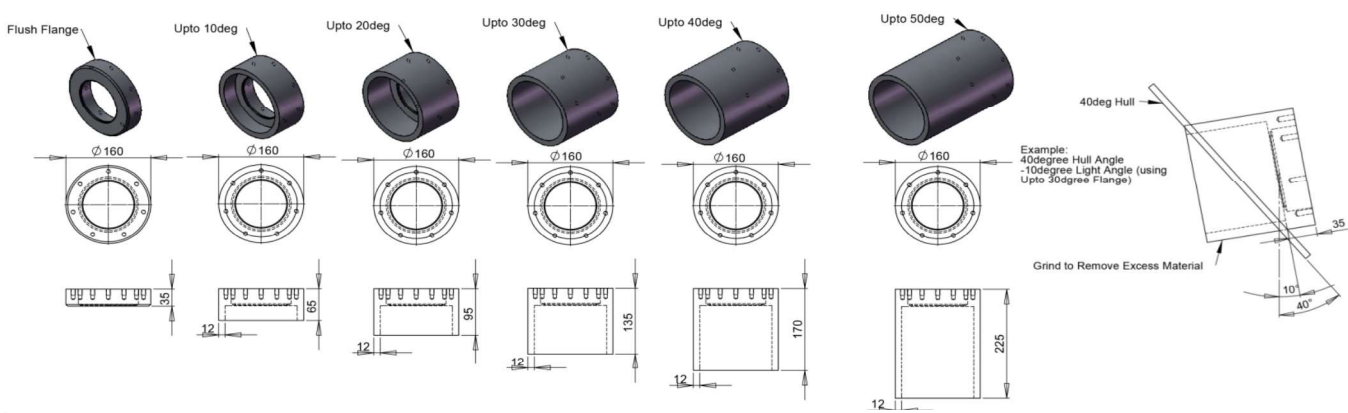
|                                 |  |
|---------------------------------|--|
| Beam Angle                      | 60°/110°                                 |
| Water Ingress Protection Rating | IP68                                     |
| Flange Diameter                 | 160mm (6.3")                             |
| Flange Angle Options (Degrees)  | 0° (Flush), 10°, 20°, 30°, 40°, 50°      |
| Flange Material Options         | Aluminum (5083L), Stainless Steel (316L) |
| Light Weight                    | 2.2 Kg                                   |
| Light Cable Length              | 1m to 10m (Specified at point of order)  |
| Vessel Length                   | 25m and above                            |
| Installation Locations          | Transom, Side, Bulbous Bow, Water Tank   |

**LIGHTING SYSTEM FUNCTIONALITY**

|  |     |
|--|-----|
| Manufacturer Preset Colors                               | Yes |
| Lights Synchronized (All Lights, All Colors, All Models) | Yes |
| Color Cycle  | Yes |
| Cycle Speed Adjust                                       | Yes |
| Color Sweep  | Yes |
| Color Sweep Speed Adjust                                 | Yes |
| Customizable Favorites                                   | Yes |
| Fixed Strobe (Any Color)                                 | Yes |
| Random Strobe Mode (Any Color)                           | Yes |
| Customizable Strobe Mode                                 | Yes |
| Programmable Scenes                                      | Yes |
| Wi-Fi Control  | Yes |
| External DMX/RDMX  | Yes |
| Individually Addressable Lights                          | Yes |
| Sound-To-Light   | Yes |
| Groups   | Yes |
| Automatic Light Discovery and Setup                      | Yes |
| Light Brightness Adjustment                              | Yes |
| Diagnostic Function                                      | Yes |

| WEIGHTS | 0 DEG  | 10 DEG | 20 DEG | 30 DEG | 40 DEG | 50 DEG  |
|---------|--------|--------|--------|--------|--------|---------|
| 316 SS  | 2.9 KG | 4.1 KG | 5.4 KG | 6.9 KG | 8.8KG  | 11.3 KG |
| 5083 L  | 1.0 KG | 1.4 KG | 1.8 KG | 2.4 KG | 3.0 KG | 3.8 KG  |

**FLANGE ANGLES AND DIMENSIONS**



DATA IS SUBJECT TO CHANGE WITHOUT NOTICE

LUMISHORE DATASHEET

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