



Specification Sheet

# XFM *HD* Gen2

PRO SERIES

UNDERWATER  
**3010XFM**

*Tritonium™*  
Optical Technology

## 3010XFM *HD* Gen2

High Definition Underwater Lighting Excellence

XFM models, or Xchangeable Flush Mounts, are just that - they're exchangeable without hauling should servicing ever be needed. Their exceptionally low profile head offers virtually unlimited hull mounting options, including retrofitting into most existing underwater lighting hole cut-outs, yielding immediate benefits of no startup power surge, low heat, minimal maintenance, and improved light output.

At 10,000-fixture lumen brightness the 3010XFM HD Gen2 model is 43% brighter than its predecessor by exploiting the next generation of High Definition LEDs from Cree.

Suitable for all hull types over 65' (20m) using 4 or more lights with spacing of 3-6' (1-1.8m) - for metal hulls, add the Delrin Isolation Sleeve accessory. Deutsch plug-and-play quick connectors make this light a quick fit. Maintenance is easy; just wipe away marine growth from its scratch resistant Tritonium™ glass lens. Three super bright LED color options.

For a light that's less bright choose 2010XFM HD Gen2. For a light with a smaller hole cut-out better suited for transom mount applications choose 3010TH. For a light with color-change capabilities choose from our Colours models.

- Xchangeable from Inside the Hull
- Equal to 2 x 150w HID/Metal Halide
- 4 1/2" Hole
- 12/24V DC (AC Upgrade Option)
- 40,000+ Hour Life
- Aluminium Bronze AB2 Bezel/ Hard Anodized Aluminium Body
- Plug & Play
- Factory Sealed Unit

### Quick Specs

<b>40K HOURS</b>	<b>12V DC</b>	<b>110V AC</b> <b>240V AC</b>	<b>19600</b>	<b>11000</b>		<b>Tritonium</b>	<b>REVERSE POLARITY PROTECTION</b>	<b>IN WATER REFITTING</b>
<b>LIFE SPAN</b>	<b>24V DC</b>	<b>AC UPGRADE</b>	<b>LUMENS</b>	<b>FIXTURE LUMENS</b>	<b>60/140°</b> PRIMARY/SECONDARY BEAM	<b>OPTICAL LENS</b>		

Description	Color	Part #	UPC/EAN #
Pro Series 3010XFM HD Gen2 Ultra White LEDs w/Linear Optics	 Ultra White	001-500748	5051803005605
Pro Series 3010XFM HD Gen2 Midnight Blue LEDs w/Linear Optics	 Midnight Blue	001-500749	5051803005612
Pro Series 3010XFM HD Gen2 Sea Green LEDs w/Linear Optics	 Sea Green	001-500750	5051803005629

Mounting Recommendations	3010XFM HD
Boat size	over 65' (20m)
Transom / Hull spacing	3-6' (1-1.8m)
Transom quantity	4+
Hull quantity	4+/side
Maximum hull thickness	4" (100mm)
Installation depth (to top of fixture)	10-12" (250-300mm)
Technical	
Light output equivalent to	2 x 150W HID Metal Halides
Lumens	19600
Fixture Lumens	11000
Typical LED life expectancy	40,000+ Hours
Minimum-Maximum operating voltage DC	9-32V DC
Minimum-Maximum operating voltage AC (AC/optional)	90-270V AC
Current / Amp draw (DC)	12V DC 8.2A 24V DC 4.0A
Current / Amp draw (AC/optional)	110V AC 50/60HZ 1.3A 240V AC 50/60HZ 0.6A
Approx. light penetration (avg. water quality)	72' (22m)
Approx. Light penetration (perfect water quality)	up to 165' (50+m)
Driver type	External
Driver size (L x W x H)	360 x 160 x 90mm (14 <sup>3/16</sup> x 6 <sup>1/4</sup> x 3 <sup>1/2</sup> " )
Physical	
Diameter of fixture	7 <sup>5/64</sup> " (180mm)
Profile (height) of fixture	5/8" (16mm)
Total weight including electrical driver	14.7lbs (6.7kgs)
Extension cable length (standard-hard wired to light)	6 <sup>1/2</sup> ' (2m )
Hole cut-out for cable entry	4 <sup>1/2</sup> " (114mm)
Material	Aluminium Bronze AB2
Lens	Tritonium™ Optical Lens
Accessories	Part#
Delrin Isolation Sleeve for 3010 XFM	001-500575
Locking Nut Kit for 3010 XFM	001-500399
2m (6.5') Plug & Play Extension Cable (Gen2)	001-500753
6m (19.5') Plug & Play Extension Cable (Gen2)	001-500754
4 Way V DC Power Junction Box	001-500247
Pro Series HD Gen2 AC/Mains Power Pack	001-500755

\*Fixture Lumens rating is a measurement of total light output from a finished lighting fixture. This measurement can only be obtained from either a Goniophotometer or an Integrating sphere. Fixture Lumens is the most reliable, professional measurement of light output. OceanLED has heavily invested in these measurement apparatus and has had all its data verified by the Lighting Association of Great Britain.

## OceanLED Smart Light Technology

All OceanLED lights are factory sealed, essential for lighting components subjected to the corrosive marine environment.

### Active Thermal Control

ATC is a continuous monitoring system built into all OceanLED lighting products to prevent overheating, thus improving LED performance and lumen maintenance. In the event the lights become overheated, the ATC system will reduce the LED power level in order to protect the LEDs, or in extreme cases, turn off the fixture completely. All OceanLED lighting products are tested to work continuously in an ambient temperature of 65° Centigrade / 150° Fahrenheit.



### Grade A Electrical-Opto Performance

OceanLED utilizes the very latest optical methods to achieve the highest Lumen Per Watt efficacy ratings on all its products. Combining optical precision with Grade A Electrical components ensures maximum life cycles, minimal heat exposure, and flicker free operation and dimming.



### OceanLED 3-Star Binning Promise

Millions of LEDs are produced every day, some better than others. LEDs are sorted or "Binned" according to their light output, emitted color, and electrical efficiency. OceanLED has developed its own unique Bin code to ensure the highest quality grade LEDs are selected, essential for the quality and consistency on which OceanLED prides itself, and the consumer expects.



### Contents include:

- 12/24V DC Driver w/Power Cable
- 2m/6' Connection Cable



EMC Tested  
EN60945 compliant-2004/108/EC

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