OceanLED®

UNDERWATER
2010XFM

Tritonium™
Optical Technology

2010XFM *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 7,000-fixture lumen brightness the 2010XFM HD Gen2 model is 67% brighter than its predecessor by exploiting the next generation of High Definition LEDs from Cree.

Suitable for all hull types up to and over 65' (20m) using 2-6 lights with spacing of 3-5' (1-1.5m) – 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 an even brighter light choose 3010XFM HD Gen2. For a light with a smaller hole cut-out better suited for transom mount applications choose 2010TH. For a light with color-change capabilities choose from our Colours models.

- Xchangeable from Inside the Hull
- Equal to 250w HID/Metal Halide
- 4" 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

40K HOURS	12V DC	110V AC 240V AC	11400	7000	60/140° PRIMARY/SECONDARY BEAM	Tritonium	REVERSE POLARITY PROTECTION	IN WATER REFITTING
LIFE SPAN	24V DC	AC UPGRADE	LUMENS	FIXTURE LUMENS	OPTICAL LENS			

Description	Color	Part #	UPC/EAN #
Pro Series 2010XFM HD Gen2 Ultra White LEDs w/Linear Optics	Ultra White	001-500744	5051803005568
Pro Series 2010XFM HD Gen2 Midnight Blue LEDs w/Linear Optics	Midnight Blue	001-500745	5051803005575
Pro Series 2010XFM HD Gen2 Sea Green LEDs w/Linear Optics	Sea Green	001-500746	5051803005582

Mounting Recommendations	2010XFM HD
Boat size	up to and over 65' (20m)
Transom / Hull spacing	3-5' (1-1.5m)
Transom quantity	2-6
Hull quantity	4+/side
Maximum hull thickness	4" (100mm)
Installation depth (to top of fixture)	10-12in (250-300mm)
Technical	
Light output equivalent to	250W HID Metal Halides
Lumens	11400
Fixture Lumens	7000
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 5.3A 24V DC 2.7A
Current / Amp draw (AC/optional)	110V AC 50/60HZ 0.76A 240V AC 50/60HZ 0.35A
Approx. light penetration (avg. water quality)	59' (18m)
Approx. Light penetration (perfect water quality)	up to 140' (45+m)
Driver type	External
Driver size (L x W x H)	360 x 160 x 90mm (14$^{3/16}$ x 6$^{1/4}$ x 3$^{1/2}$")
Physical	
Diameter of fixture	6$^{19/64}$" (160mm)
Profile (height) of fixture	4$^{5/64}$" (17.8mm)
Total weight including electrical driver	11.2lbs (5.1kgs)
Extension cable length (standard-hard wired to light)	6$^{1/2}$' (2m)
Hole cut-out for cable entry	4" (100mm)
Material	Aluminium Bronze AB2
Lens	Tritonium™ Optical Lens
Accessories	**Part#**
Delrin Isolation Sleeve for 2010/COLOURS XFM	001-500573
Locking Nut Kit for 2010 XFM	001-500398
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.
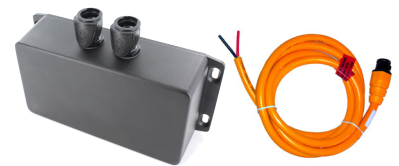
OceanLED 3-Star Binning Promise

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

OceanLED®
LIGHT. YEARS AHEAD.

www.oceanled.com