



PowerLED Downlight Installation and Operation Manual



Largo

OVERVIEW

Designed specifically to give the space-conscious boater a number of lighting options in a compact and affordable package, the DC-powered Largo LED light features a single, two-wire fixture with three color outputs: red, blue and white. Largo's 4.7W white LED is equivalent to a 30 Watt halogen and is available in either warm white or cool white output options. With a 96-degree wide-flood illumination area, Largo is perfect for a variety of general lighting applications. The blue and red LED's protect the crew's vision in low-light or night operations for offshore cruisers and trawlers. The built-in momentary push-button switch controls on/off functions, LED color selection and dimming.

SPECIFICATIONS

| | |
|-------------------------------|---------------|
| Mounting Base Diameter | 6.00" (152mm) |
| Lens Diameter | 3.99" (101mm) |
| Bezel Height | 1.50" (38mm) |
| Input Voltage Range | 10-30 VDC |
| Power Consumption | 4.7 Watts |
| IP Rating | IP65* |

* IP65: "Protected from the ingress of dust and low pressure jets of water from all directions"

INSTALLATION

Whether installed overhead or on a vertical bulkhead, it is imperative that Largo be mounted in a location where there is protection from behind against water exposure. Any water behind the mounting surface (i.e. ceiling) can make its way via the wire leads in to the housing where the electronics assembly is located. The mounting base may be used as a template for marking off the mounting screw locations. Fasten with three #8 or #10 stainless steel pan-head self-tapping screws.

1. Once mounting location is selected and mounting holes have been prepared, it is time to make your electrical connections. Before doing this, be sure that power to the circuit is off at the breaker panel. Connect the Largo red (+) and black (-) lead wires to the corresponding ship's supply cabling.

Note: We always recommended the use of ABYC approved water-proof connectors to prevent corrosion and to minimize future voltage drop. Once your electrical connections have been securely made, proceed as follows:

2. Position mounting base so mounting holes line up to holes previously drilled. Secure using (3) #8 or #10 pan-head screws (See Figure 1).



Figure 1

3. Line up the bezel such that the black rubber switch cover is appx 1.6" (~41mm) to the left of the switch actuator (see Figure 2). At this point all three tabs should line up with the three openings (see Figure 3).

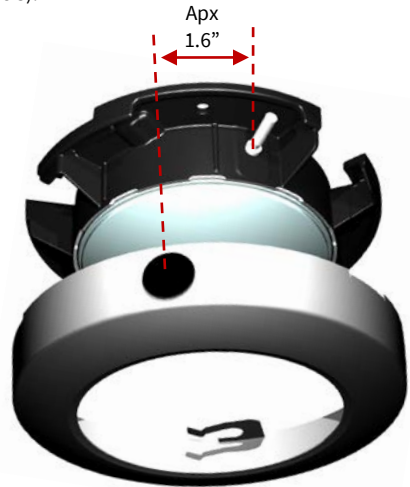


Figure 2

4. Firmly push bezel against the mounting base and begin to twist clock-wise until the bezel “snaps” into place and clearly stops (see Figure 4). It is important to keep twisting past the initial resistance as the three tabs rise up and over the internal ramp. Failure to do this will prevent the rubber switch cover from lining up to the actuator. If you are unsure, gently press the rubber switch. If you cannot feel or actuate the switch in any way, then the bezel is not completely in place.



Figure 3



Figure 4

OPERATION

Largo's built in momentary switch turns on/off and dims all three colors.

- Single TAP turns fixture on to last color and dim level
- Double TAP sequences through the colors (e.g. Red, Blue, White)
- Push and hold switch on any color for smooth dimming up and down
- Single TAP once more to turn off

Note: If the light is turned off at the breaker panel, and later switched back on, it comes on at the last color and dim level it was previously set at.

LIMITED WARRANTY

Imtra warrants the light-emitting LSA (LED spotlight assembly) component of our IML PowerLED spot lights & fixtures for 5 years from the date of purchase. If the LSA should cease to function within 5 years, return the complete spot light assembly to Imtra for repair or replacement.

This warranty does not apply to damage resulting from actions of the user such as misuse, improper wiring/installation, operation outside of specification, improper maintenance or repair, unauthorized modification, lightning strike or damage from a power surge.

The trim ring (bezel) of the IML Power LED spot lights are warranted for one year.

Imtra specifically disclaims any implied warranties, merchantability or fitness for a specific purpose and will not be liable for any direct, indirect, incidental or consequential damages. Imtra's total liability is limited to repair or replacement of the product.

The warranty set forth above is inclusive and no other warranty, whether written or oral, is expressed or implied.

If it should become necessary to return a fixture for service during or beyond the warranty period, please refer to Imtra's standard Return Policy as detailed on Imtra's website (www.imtra.com) or call Imtra customer service at (508) 995-7000. No returns are accepted without a Return Authorization (RA) number.



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