imtra

MARINE LIGHTING

C2-107, C2-107HT, C2-139 & C2-139HT PowerLED Floodlights
Installation and Operation Manual

C2-107

C2-139
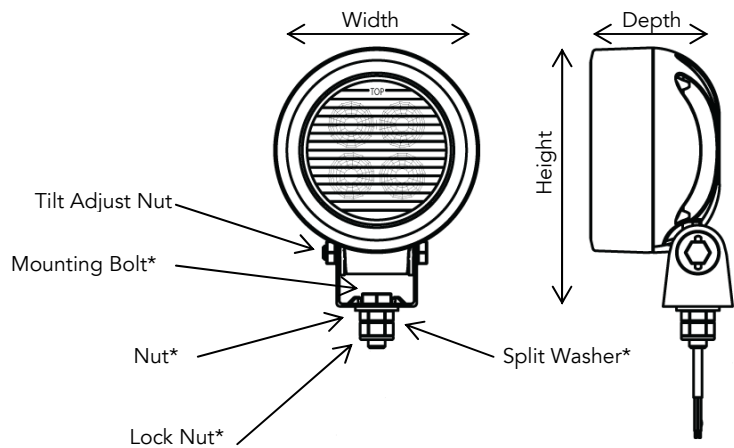

C2-107HT

C2-139HT

Overview

The Imtra C2 Series Floodlights are energy efficient solid-state marine-grade LED floodlights. They are suitable for applications subject to high vibration and intermittent shock loads and completely sealed against water intrusion. They install easily with their included stainless steel mounting brackets which allow for full tilt and 360° rotation.

Specifications

	C2-107/C2-107HT	C2-139/C2-139HT
Height	5.98" (153mm)	5.71" (145mm)
Width	4.72" (120mm)	5.90" (150mm)
Depth	2.55" (65mm)	3.39" (86mm)
Mounting Block	1.85" x 1.85" (47 x 47mm)	1.53" (39mm)
Input Voltage Range	9-56VDC	9-56VDC
Power Consumption	8.5W	13.0W
IP Rating	IP66*	IP66*

IP66: "Protected from the ingress of dust and high pressure jets of water from all directions"

These parts supplied with optional Thru-bolt kit (Part # ILP010045) only

Physical Installation

1. Determine the location where fixture will be mounted. Be sure you have chosen the correct model for the application. The HT models are specifically designed to be mounted upside down in a hanging position. The non HT models should only be used for upright mounting. If you do not have the correct model, please return it in exchange for the appropriate type.
2. Remove the mounting bracket from the floodlight by loosening and removing the tilt adjust nut and bolt.

Thru-bolt installation (optional)

3. Identify mounting location and drill a ½" (12mm) mounting hole.

4. Remove the lock nut, split washer and nut from the 12mm mounting bolt (sold separately) and pass the 12mm mounting bolt through the mounting bracket and mounting hole. Secure the bracket with the nut, split washer and lock nut.

Surface mount installation

3. Identify mounting location and drill 4 pilot holes for #8 self-tapping fasteners. Use the mounting bracket as a template for these holes.

4. Secure the mounting bracket with four #8 self-tapping fasteners.

5. Attach the floodlight to the mounting bracket by passing the tilt adjust bolt through the bracket, spring washer, light housing, spring washer, bracket, split washer and nut.

6. Set the tilt height and tighten the Tilt Adjust Nut.

Wiring Instructions

1. Before making wiring connections, be sure the power is off!

2. Connect the white wire from your PowerLED Floodlight to DC (+).

3. Connect the black wire from your PowerLED Floodlight to DC (–).

4. Turn the power to the light on.

Wire	Function
Red (or White)	+
Black	–

Limited Warranty

Imtra warrants the LED electronic component of our PowerLED Floodlights for a period of 2 years from the date of purchase. If the fixture should cease to function within 2 years, return the unit 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.

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.

imtra

MARINE LIGHTING

30 Barnet Boulevard, New Bedford, MA 02745
(508) 995-7000 • www.imtra.com