

***** READ BEFORE INSTALLATION OF 13W & 26W IML ENGINE ROOM LIGHTS *****

Models: ILER-12/2B • ILER-24/2B • ILER-120/2 • ILER-12/120B • ILER-24/120B

Lamp Starting

The ballasts supplied in these lights are "instant" start, which is the most efficient since the ballast output voltage is sufficient to start the lamp quickly and the lamp cathodes are not continuously supplied with power to keep them heated. However at temperatures below 50 dg F (10 dg C) it may take several seconds for the lamp to light up to full strength.

Voltage Parameters

It is crucial that ship's supply voltage remain within the specified range (below). Under-voltage will result in excess bulb flickering, damage to the starter, and premature bulb failure. **Over-voltage will result in overheating and permanent damage to ballast. If left unchecked, it can pose a fire hazard. Imtra is not responsible for damage done to fixtures (or otherwise) as a direct result from exceeding these specific voltage parameters.**

12VDC Ballast (12 – 15VDC Input Range)

24VDC Ballast (24 – 29VDC Input Range)

120V Ballast (118V – 125V Input Range)

Heat Limitations

The following temperatures are maximum allowable ballast-case temperatures. AC ballast case temperatures will always run higher than DC Inverter ballast temperatures. If the max temperature is exceeded the ballast is designed to shut down automatically as a built-in protection feature. Continuous overheating of the ballast will eventually result in permanent damage. Measures must be taken to reduce ambient temperature in order to prevent permanent damage to the ballast.

12/24VDC Max Case Temperature: 150 dg F (65 dg C)

120VDC Max Case Temperature: 194 dg F (90 dg C)

***** IMPORTANT *****

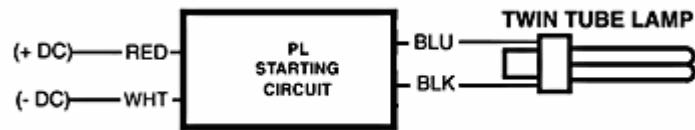
The manufacturer does not recommend to recess these fixtures into a non-vented ceiling as overheating is possible (more likely with AC version). If the fixture is equipped with double ballast of the same voltage and is recessed into a non-vented ceiling, overheating will result. This situation is made worse if room ambient temperature is excessive.

Mounting & Wiring

Fixture may be wall or ceiling mounted and is U.L. Wet Location Listed for mounting in interior or exterior environments. Fixture is supplied with hardware needed for mounting to a U.L. approved electrical box. For installation other than typical building structures, the base may be screwed to the mounting surface using stainless steel screw fasteners.

Be sure all power to fixture is off at breaker panel. Connect light fixture lead wires to supply wires in wall or ceiling using approved connectors (see ABYC E-8/18). If this is a 120VAC fixture, follow U.L. electrical

guidelines A.C. electrical connections. The fixture is supplied with a (green) ground wire regardless of whether it is for AC or DC. 120VAC does require grounding.



12V BALLAST ELECTRICAL SPECIFICATIONS

Lamps Operated	(1) 13W 2 Pin
Input Voltage	12 - 15 VDC
Input Current	1.4 A
Operating Frequency	16 kHz
Lamp Current	290 mA @ 13 VDC

24V BALLAST ELECTRICAL SPECIFICATIONS

Lamps Operated	(1) 13W 2 Pin
Input Voltage	24 - 29 VDC
Input Current	0.71 A
Operating Frequency	16 kHz
Lamp Current	295 mA @ 26 VDC

WARRANTY

The Imtra limited warranty guarantees to the end user that this product will be free from defects in material and workmanship for a period of one (1) year from the date of purchase.

This warranty is void if it is determined that the product has been accidentally damaged, neglected, improperly installed, or used in a manner for which it was not designed. Excluded from the warranty are light bulbs. Labor associated with removal or replacement of fixtures is the responsibility of the end-user and is not covered as part of this warranty.

During this warranty period, you may send back prepaid and insured the defective products with proof of purchase to Imtra Corporation where it will either be repaired or replaced without charge to the original consumer-purchaser. All returns must have a return authorization number which is obtained by calling Imtra. Where a proof of purchase cannot be supplied, the warranty period will be determined from the date of manufacture.

Imtra reserves the right to change its warranty without notice