

IS Series Waterproof LED Utility Light Installation Instructions

The IS Series Waterproof LED is the first line of **ultra-thin** fully waterproof LED fixtures designed to *supplant all existing types of water proof, drip proof, and explosion proof lighting*. This includes, but is not limited to, small cage type incandescent/CFL fixtures, all the way up to four-bulb 4 foot fluorescent fixtures. Composite housings are UV resistant, impact resistant, and fully waterproof.

This line was designed to be extremely scalable and conforms to a variety of application settings. From surface mounting to drop lighting, the IS Series does it all.

A cohesive line from smallest to largest lamp means better visual uniformity, cleaner installs, and better overall service.

NOTE: Before beginning any installation, check to ensure all appropriate voltage and power requirements will be met. Improper installation, including incorrect voltage application, will void all warranties. Please see the below table for voltage and power requirements of each IS Series LED lamp.

Specifications:

Lamp	Voltage	Power	Lumens	Dimensions
IS3	12VDC only	1.75W	170+	2" Round, .236"T
IS15	12VDC only	8W	800+	0.236"T, 3.125"H, 8"L
IS30	24VDC only	17W	1700+	0.236"T, 3.125"H, 14"L
IS60	10-30VDC	32W	3200+	0.550" T, 7.188"H, 23.750" L
IS120	10-30VDC	64W	6400+	0.550" T, 7.188"H, 44.125"L

Directions:

- 1) All IS Series LED lamps should be mounted in a suitable and sturdy location.
- 2) Ensure that for bulkhead mounting there are no hazards behind the wire-gland hole location.
- 3) All IS Series LED lamps are internally regulated and require no external power boxes or drivers so long as CLEAN DC power is applied.
- 4) For all surface mount/side exit applications, make sure the appropriate mounting bezel is available during templating/install.



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Advanced technology products, designed and manufactured for exacting applications



- 5) With the included template, mark locations for wire gland through hole and all mounting holes. Depending on installation, IS Series LED lamps can be mounted with self tapping or machine screws. Drill the appropriate size mounting holes to accommodate #6 screws (again, self tapping or machine screw depending on installation). Surface mount/side exit applications will not need a through hole for the wire gland. *IS3 lamps do not require mounting hardware, as the wire gland acts as a friction-hold until mounting adhesive dries.*
- 6) Carefully remove template and drill all holes, making sure to not drill into anything hazardous, such as power wires, fuel tanks, hydraulic lines, and other onboard systems.
- 7) Dry fit the lamp making sure all mounting holes align properly.
- 8) Carefully make all power connections using waterproof, heat-shrink, rated and approved electrical butt connectors. Connect the RED wire of all IS Series LED lamps to the positive DC system line and the BLACK wire to ground.
- 9) Be careful not to short the wires and double check that it is wired correctly before applying power to the unit.
- 10) Once wired, test all lamps at this point for proper operation before mounting.
- 11) For waterproof installations where the wire exit must be moisture proof, apply a thin layer of BoatLife LifeSeal or similar sealant (do NOT use 3M 5200, 4200, or other harsh adhesives) to the backside of the lamp, tracing a continuous line of sealant about ½" from the perimeter of the lamp.
- 12) Press the lamp into place and install mounting hardware. If using a mounting bezel, sandwich the bezel between the lamp and the mounting surface before installing hardware. *For IS3 installations, press the light into place with small dab of sealant and hold in place with a piece of masking tape until the sealant dries (necessary only for overhead installations)*
- 13) **Do NOT overtighten mounting hardware!**
- 14) Allow sealant, if used, to fully cure before operation. Your IS Series LED lamps are now ready to use!

For questions about this product, please contact Imtra Corporation

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www.macrisindustries.com

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LIMITED WARRANTY

Imtra warrants this product for a period of 2 years from the date of purchase. If the light should cease to function or not perform as advertised, return the complete fixture for 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 replacement 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.