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WAL-TFM-150LED-100

150 Watt Portable LED Work Area Light -IP68- Aluminum Frame - Adjustable Light Head - 120-277VAC

Product ID: 71402

Please see last page for supporting documentation for this product(certificates, CAD files & drawings, IES files, wiring diagrams, etc).



Larson Electronics LLC manufactures a wide variety of products, including custom built to spec designs. The pictures displayed for this unit are a general representation of form factor for the product line and may not accurately represent this exact configuration in every detail due to custom builds and changes between similar products in our standard catalog. The specifics for this configuration are listed in the specification table and supporting documentation (CAD files, Dimensional Drawing, Name Plate Diagram, Wiring Diagram, etc.). This means that specific details (receptacles, plugs, wires, connections, mounting brackets, external finishes, etc.) may not be accurately represented in images vs specifications. Please review specifications and do not order based solely on images.

WAL-TFM-150LED-100 Portable Led Work Light

Lamp Type: LED
Dimensions: 15.748"-W 13.779"-H 5.044"-D
Total Watts: 150W
Lumens: 21,000
Amp Draw: 1.34 @ 120V AC

Voltage: Multi- 100-277 VAC, 50/60Hz

Lighting Configuration: Flood Pattern
Weight: 30lbs

Temp Rating: T5 -40°C to +65°C

Color Temp: 5600K, 5000K, 4500K, 4000K, 3500K, 3000K, 2700K, or 6500K

Lamp Life: 60,000+ Hours

Summary

Low amp draw
Long lamp life
UL 595 Rated for Marine Use
LEL Approved
Rated IP 68

Special Orders - Special Requirements

Contact us for special requirements

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The WAL-TFM-150LED-100 Portable LED Light from Larson Electronics is a versatile LED work light that produces 21,000 lumens of light while drawing only 150 watts. The IP68 rated WAL-TFM-150LED-100 is ideally suited for wet environments that need a portable work light. With its excellent energy efficiency it is the perfect upgrade option from bulky and higher maintenance cost older fixtures.

The WAL-TFM-200W-LED-100 portable LED work light provides 9,500+ square feet of work area coverage with 21,000 lumens of light output. This portable LED light is mounted to a lightweight aluminum base and has an LED light head measuring 16 inches in diameter. The LED light head on this unit produces a brilliant flood pattern of light that is ideal for illuminating areas and hazardous locations where flamable vapors, gases, water and dusts may be present

		
Click Photo to Enlarge	Click Photo to Enlarge	Click Photo to Enlarge

This WAL-TFM-150LED-100 is multi-voltage capable and can be operated with 100-277 VAC, 50/60Hz without any need for a special ballast. The aluminum body, hardened glass lens, and solid state LEDs give this light excellent durability and resistance to vibration and impacts. The housing is specially designed to dissipate heat which increases the efficiency and lifespan of the LED luminaries. The LED lamp produces 21,000 lumens with a color temperature of 5600K and a color rendering index of 70 which produces colors and details much more accurately than high pressure sodium or mercury vapor luminaries.
The aluminum body and LED luminaries give the WAL-TFM-150LED-100 excellent durability and resistance to vibration and impacts. The housing is specially designed to dissipate heat which increases the efficiency and lifespan of the LED luminaries. The LED light fixture produces 21,000 lumens of light with a color temperature of 5600K and a color rendering index of 70 which produces colors and details much more accurately than high pressure sodium or mercury vapor luminaries. The LEDs used in this light use less energy and create less heat which results in energy costs being lowered by the amount of electricity needed to both illuminate and cool large areas

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Application: The WAL-TFM-200W-LED-100 is ideally suited for any environment, including wet environments, that a directional and portable LED work light can be used in. The solid frame allows the operator the ability to maneuver the WAL-TFM-150LED-100, or leave it stationary as needed. The applications for this portable LED work light are varied; warehouses, off-site work locations, construction, concrete, temporary lighting, industrial portable lighting, and any applications that need portable lights, work in the dark or at night.
Frame: This portable LED work light is comprised of a 16 inch LED light head mounted in a tubular frame pedestal fabricated from lightweight aluminum with a convenient carrying handle built into the top of the frame. The lamp can be easily adjusted 360° for precise beam positioning and locked into position by simply loosening the two hand screws located on either side of the light head and retightening them once the desired angle is found.
Wiring: The WAL-TFM-200W-LED-100 runs on 120-277 VAC 50/60 Hz. Included with this LED light is 100 feet of SOOW cable terminated in your choice of the 5-15 straight blade plug, the L5-15 twist-lock plug, or the international schuko plug. Choose your cord configuration below.
Plug Types:

Schuko--These sockets form a cavity into which the plug is inserted and the Schuko plugs and sockets are symmetric AC connectors. As with most types of European sockets, Schuko sockets can accept Europlugs. Schuko plugs are considered a very safe design when used with Schuko sockets, but they can also mate with other sockets to give an unsafe result.
Nema L5-15 twist-lock--Once pushed into the receptacle, the plug is twisted and

its now-rotated blades latch into the receptacle. To unlatch the plug, the rotation is reversed. The locking coupling makes for a more reliable connection in commercial and industrial settings, where vibration or incidental impact could disconnect a non-locking connector.
5-15 standard wall plug--This 2-prong plug and socket design, with two flat parallel non-coplanar blades and slots, is used in most of North America and on the east coast of South America on lamps; consumer electronics such as clocks, radios, and battery chargers; and other double insulated small appliances that don`t require grounding
Heat Management: Heat is the single largest factor in premature LED failure and color shifting. These LED units contain advanced drivers which use pulse width modulation to control heat buildup rather than simple voltage regulators which are typically harsh on sensitive electronics and can contribute to early LED failure. These units automatically sense the temperature of each LED and adjust the energy frequency or "duty cycle" accordingly to maintain heat levels within acceptable ranges. This system in essence flashes current at an extremely fast on and off rate to each LED based upon the LED's core temperature.
This flash rate is too fast to detect with the human eye, but provides precise control of the current flowing to each LED and thus the heat it generates. This allows the LEDs to be driven at up to 100% capacity without overheating or visible loss of light output. The LEDs are always driven at the same voltage but the duty cycle, however, is changed to alter how long the LEDs are actually on or off. A special heat dissipating design in conjunction with LED technology helps this fixture to achieve an excellent 50,000 hour rated lifespan with 80% lumen retention, which is far longer than incandescent or fluorescent lamps. The end result is more light with less heat and longer LED life.

Made in USA Quality

1. Low power consumption.
2. Instant on/off operation.
3. Fixture constructed of extruded corrosion resistant copper free aluminum alloy.
4. Superior color rendering compared to HPS, LPS, MH.
5. Retains 80% lumen output after 60,000 operating hours.
6. Powder coated aluminum fixture body.
7. Multiple Mounting Options Including Pendant, Wall, Ceiling, Cable Mounting and Swivel Bracket.
8. Low profile - Light weight
9. 21,000 Lumen output from only 150 watts

Superior LED Benefits

1. 60,000 hour lifespan.
2. Can SAVE 50% or more on energy.
3. Qualifies retrofit projects for financial incentives, including utility rebates, tax credits and energy loan programs.
4. Reduces energy use and prolongs life-spans of peripheral cooling units (A/C, refrigeration)
5. 100% recyclable.
6. No toxins-lead, mercury.
7. No UV light, infrared radiation or CO2 emissions.
8. Qualifies buildings for LED and other sustainable business certifications.
9. Bright, even light maintains consistent color over time.
10. Instant on/off – No flickering, delays or buzzing.
11. Very good color rendering.
12. Vibration/impact resistant.
13. Significantly cooler operation.
14. Less frequent outages, higher output improves workplace safety.

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Frequently Asked Questions (FAQ)









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WAL-TFM-150LED-100

Product ID: 71402

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Options:

WAL-TFM-150LED-100-Option 1

Example: WAL-TFM-150LED-100-5.15

Option 1	
5-15 WALL PLUG	-5.15
L5-15 TWISTLOCK	–L5.15
SCHUKO PLUG	–INTL

Links (Click on the below items to view):

- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**