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WDL-48-400W-LED-TRN-WCM

136W Wash Down LED Light - 120/277V AC - Food Safe - IP66 Rated - Trunnion Mount

Product ID: 148783

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.

Specifications / Additional Information

WDL-48-400W-LED-TRN-WCM Wash Down LED Fixture

Lamp Type: LED
Dimensions: 7"-H x 48 1/8"-W x 4"-D
Driver: Electronic Driver
Lamp Wattage: 136W
Total Wattage: 152W
Voltage: 120-277V AC @ 50/60 Hz
Lumens: 19,773 (5000K) 18,982 (4000K)
LED Light Color: White
Correlated Color Temperature: 5000K and 4000K
Color Rendering Index: 80+
LED Life Expectancy: 50,000+ hours
Ambient Operating Temp Range: -40°C to +50°C
Housing Material: Die Cast Aluminum Housing
Finish: Powder Coated Over Chromate Conversion Coating
Lens Material: Clear Polycarbonate
Mount: Stainless Steel Trunnion Mount

Ratings/Approvals

IP66 Waterproof
Listed for Wet Locations
ADA Compliant Without Brackets

Special Orders - Special Requirements

Contact us for special requirements

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This WDL-48-400W-LED-TRN-WCM Wash Down LED Fixture offers 19,773 lumens of crisp white light in an 100º by 100º open frame, with a CRI of

80 and a color temperature of 5000K. This CSA rated unit contains impact and shock resistant, no-glass polycarbonate LED bulbs, and sealed and corrosion resistant aluminum hardware, providing reliable, stable lighting under even the harshest of conditions in food processing and preparation applications. This 136-watt LED light operates on 120-277V AC @ 50/60 Hz, and features an electronic driver and IP66 waterproof protection.

The WDL-48-400W-LED-TRN-WCM linear wash down light is an NSF rated, food safe fixture, and an ideal replacement for 400 watt metal halide or pressure sodium lights. This 136 watt LED light fixture is ideal for both indoor and outdoor use and is CSA approved for wet locations including high pressure hose down areas. This cast aluminum LED fixture operates on voltages ranging from 120-277V AC at 50/60Hz, and draws only 152 watts. A special heat dissipating design in conjunction with the advanced LED driver technology helps this fixture achieve an excellent rated lifespan and lumen retention.

The housing on this LED unit is made of heavy-duty, corrosion resistant, die cast aluminum with a powder coat finish over a chromate conversion coating for a more durable option than metal halide units. Instead of using a fragile glass bulbs, as with traditional fixtures, this light is equipped with tough, shatter resistant LEDs sealed in an unbreakable polycarbonate lens, making this wash down light ideal for food preparation applications. Just 4” in depth, this 4 foot long, self-contained trunnion-mounted wash down light is low profile, and provides instant full power illumination, projecting stable, no-flicker beam from a durable solid-state lighting source. This rugged hose down light is IP66 rated, able to withstand the powerful high-pressure jets used regularly during food preparation and sanitation operation, and is built to operate in extreme temperatures between -40°C to +50°C.

LED Drivers: Even in LED fixtures, heat is the single largest factor in premature light failure and color shifting. As a result, many manufacturers reduce the output of their LEDs in order to reduce the amount of heat produced. Rather than lower light output or quality, Larson Electronics addresses this problem with the addition of an electronic LED driver. This internal driver provides the ability to automatically monitor and adjust input current to maintain the correct LED voltage levels regardless of input levels across a specific range. This not only reduces the energy dissipation, effectively lowering the operating temperature of the fixture, but also prevents AC over-voltage and short circuit loading making this fixture virtually maintenance free. Because the electronic driver allows the WDL-48-400W-LED-TRN-WCM to run at a cooler internal temperature and regulates the electrical current, energy efficiency and LED service hours are maximized while at the same time reducing operating costs and downtime incurred from the frequent servicing intervals required with other hotter running lights.

LED Benefits: Unlike gas burning and arc type lamps that have glass bulbs, LEDs have no filaments or fragile housings to break during operation and/or transportation. Instead of heating a small filament or using a combination of gases to produce light, light emitting diodes (LEDs) use semi-conductive materials that illuminate when electric current is applied, providing instant illumination with no warm up or cool down time before re-striking. Because there is no warm up period, this light can be cycled on and off with no reduction in lamp life.

LED lights run at significantly cooler temperatures than traditional metal halide and high pressure sodium lights and contain no harmful gases, vapors, or mercury, making them both safer and more energy efficient. No extra energy is wasted in cooling enclosed work areas due to external heat emissions from bulb type lights, and the operator risks associated with traditional lighting methods, such as accidental burns and exposure to hazardous substances contained in the glass bulbs, are eliminated. In addition, LEDs are also safer for the environment as they are 100% recyclable, which eliminates the need for costly special disposal services required with traditional gas burning and arc type lamps.

Mounting: The WDL-48-400W-LED-TRN-WCM includes a set of two adjustable surface mounts with stainless steel adjustable brackets for safe and easy mounting to any flat surface.

Applications: Food Processing and Preparation, Automation, Washdown lighting,

Inspection. NSF certification meets the requirements for Food Processing Facilities.

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Frequently Asked Questions (FAQ)









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Product ID: 148783

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Options:

WDL-48-400W-LED-TRN-WCM-Finish-Color Temp-Diffusion

Example: WDL-48-400W-LED-TRN-WCM-BLK-40K-CLR

Finish	
BLACK	-BLK
BRONZE	-BRZ
WHITE	-WHT
GREY	-GRY

Color Temp	
4000K	-40K
5000K	-50K

Diffusion	
CLEAR	-CLR
OPAQUE	-OPQ

Links (Click on the below items to view):

- **Operations Manual**
- **HigResPic1**
- **HigResPic2**
- **HigResPic3**
- **HigResPic4**
- **HigResPic5**
- **HigResPic6**
- **HigResPic7**
- **HigResPic8**
- **HigResPic9**
- **HigResPic10**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**