

HAL-WPLED-70W-DNS

70W Hazardous Location LED Wall Pack Flood Light - 6,300 Lumens - C1D2 - Day/Night Sensor

Product ID: 223168

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.

HAL-WPLED-70W-DNS

Listing: United States - Canada

Lamp Type: LED

Dimensions: 15"H x 16"W x 9"D

Weight: 33 lb

Voltage: 110-277 Volts AC, 50/60 Hz

Watts: 70

Total Lumens: 6,300

Luminous Efficacy: 90 Lm/W

LED Life Expectancy: 100,000 Hours

Lighting Configuration: Flood

LED Light Color: 3000K, 4000K, or 5000K

Color Rendering Index: >75

Power Efficiency: 85%

Power Factor: >0.95

Amp Draw: 0.75 A @ 120 V, 0.375 A @ 240 V, 0.33 A @ 277 V

Housing Materials: Die Cast Aluminum Alloy

Lens Materials: Prismatic Glass Lens

Ambient Temp Range: -40°C to +40°C

Mounting: Wall / Flat Surface

Wiring: Pigtail

Wiring Hub: 1/2" NPT Knock-outs

Compliances

CSA Approved for Hazardous Locations (LR25428)

Class I Division 2, Groups A, B, C, D

Class 1 Zone 2

cCSAus

cUL 844

T1 Temperature Rating

Full Cutoff

Operates on Standard 110-277 VAC

Vibration Resistant Construction

100,000 Hour LED Life

Day/Night Sensor

Special Orders - Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

Intl: 1-903-270-1187

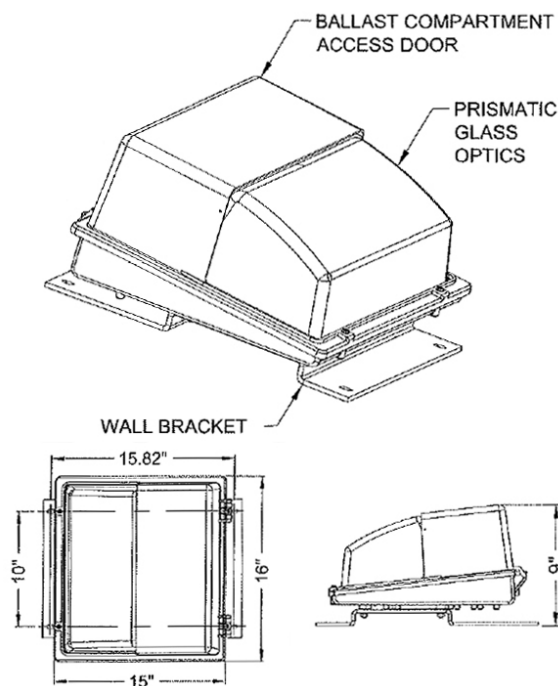
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The HAL-WPLED-70W-DNS from Larson Electronics is a Hazardous

Location LED Wall Pack Flood Light with Day/Night Sensor is designed for maximum efficiency with a 70 watt integrated LED assembly for high output and 50,000 hour lamp life. This unit has a baked on bronze finish for a rugged yet attractive design and is Class 1 Division 2 rated. The built-in day/night photocell sensor allows this fixture to operate automatically depending on the ambient light levels detected near the fixture.

Designed as a traditional style wall pack fixture, this hazardous location 70 watt LED light is designed to replace more fragile and energy consuming 400 watt metal halide fixtures, without the required maintenance or electrical requirements associated with metal halides. This 70 watt LED wall pack assembly consists of an integrated LED assembly paired with prismatic glass to produce a wide light distribution suitable for replacing 400 watt metal halide flood lights, and comes in 5000K, 4000K, or 3000K color temperature.

The HAL-WPLED-70W-DNS features a self hinged door secured by captive fasteners that provides easy access to the lamp and wiring components for servicing and maintenance. This explosion proof wall pack light is equipped with two 1/2" conduit entries and a 1/2" rear knockout which allows entry to the rear of the fixture for through wall wiring.



The HAL-WPLED-70W-DNS consists of an integrated LED assembly housed within a waterproof die cast aluminum housing that is coated for added durability and resistance to corrosion. The 2-part hinged housing allows for easy wall mount installation and future servicing, and the copper free aluminum design helps heat dissipation and increased LED longevity. The LED lamp assembly is protected by a prismatic glass lens. This prismatic glass lens is designed for superior light distribution and will never fade or yellow due to UV exposure. The traditional housing design of this LED wall pack helps maintain building aesthetics when replacing existing wall packs.

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.

	<u>Metal Halide</u>	<u>LED</u>	<u>Savings</u>
Wattage	460* watts	90 watts	-370 watts
Amp Draw @ 120V AC	3.84 amps	0.75 amps	-3.09 amps
Amp Draw @ 220V AC	2.10 amps	0.41 amps	-1.69 amps
Amp Draw @ 240V AC	1.92 amps	0.37 amps	-1.55 amps
Amp Draw @ 277V AC	1.66 amps	0.33 amps	-1.36 amps
Lamp Life Expectancy	20,000 hours	100,000 hours	+80,000 hours
Operation cost per year - each	\$241.78	\$47.30	\$194.48/yr
(12hs/day @ 12c/kWh)			
Operation cost per year - 50 fixtures	\$12,089.00	\$2,365.00	\$9724.00/yr
(12hs/day @ 12c/kWh)			

*Includes ballast factor LED has no ballast

80% in energy savings alone, before cost of maintenance for metal halide fixtures.
Up to 87% annual savings possible by switching to LED.

Day/Night Sensor: The HAL-WPLED-70W-DNS features an integrated day/night photocell that allows for automatic operation of the light when ambient light levels drop below a certain amount such as in low light conditions or at night. This automatic operation of the light adds an additional layer of convenience to this LED light fixture. Operators can adjust the photocell sensor to turn the light on at different ambient light levels to accommodate the specific needs of the location where the light is installed. This feature adds even more versatility to this unit. This LED wall pack light is universal voltage, not multi-tap, and can be operated on a range of voltages from 100 volts to 277 volts AC 50/60Hz providing versatile power options for all locations. The HAL-WPLED-70W-DNS provides an efficient and highly durable alternative to standard 400 watt metal halide as well as halogen, fluorescent, and compact fluorescent wall pack lights while using only a fraction of the power.

With the HAL-WPLED-70W-DNS there is no warm up period, the light can be cycled on and off without any reduction in lamp life, there is no glass or filament to shatter or break, and the solid state LED design provides 100,000 hours of operation. The HAL-WPLED-70W-DNS is ideal for wall pack lighting and these units are Class 1 Division 2 approved and CSA LR25428 approved for hazardous locations.

Applications: Building facades, chemical plants, ethanol facilities, exterior building perimeters, manufacturing plants, petroleum refineries, pipe racks, power generation plants, retaining walls, storage areas, waste water treatment and ideal for industrial and commercial applications where flammable gases or vapors may occasionally be present.

At Larson Electronics, we do more than meet your lighting needs. We also provide replacement, retrofit, and upgrade parts as well as industrial grade power accessories. Our craftsmen can custom build any lighting system and/or accessories to fit the unique demands of your operation. A commitment to honesty, quality, and dependability has made Larson Electronics a leader in the lighting and electronics business since 1973. Contact us today at 800-369-6671 or message sales@larsonelectronics.com for more information about our custom options tailored to meet your specific industry needs.

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Frequently Asked Questions (FAQ)





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HAL-WPLED-70W-DNS

Product ID: 223168

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Options:

HAL-WPLED-70W-DNS-Color Temp

Example: HAL-WPLED-70W-DNS-50K

Color Temp	
5000K	-50K
4000K	-40K
3000K	-30K

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