

LEDHWP-900

90 Watt Traditional LED Wall Pack - Replaces 400 Watt Metal Halide Fixtures - IP65

Product ID: 105145

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



Image: LEDHWP-900

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.

LEDHWP-900 Wall Pack Light

Listing: United States - Canada

Lamp Type: LED

Dimensions (Inches): 14.18"-L x 9.45"-W x 7.88"-H

Dimensions (CM): 26-L x 24-W x 20-H

Weight: 10.15 Lbs.

Voltage: 110-277 Volts AC 50/60Hz

Watts: 90

Total Lumens: 8,100

Luminous Efficacy: 90 lm/w

LED Life Expectancy: 100,000 hours

Lighting Configuration: Flood

LED Light Color: 2700K, 4500K, or 5600K

Color Rendering Index: >75

Power Efficiency: 85%

Power Factor: >0.95

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

Housing Materials: Die Cast Aluminum Alloy 2-Part Hinged Housing

Lens Materials: Prismatic Glass Lens

Gasket Materials: Injection Molded Rubber

Ingress Protection: IP65

Ambient Temp Range: -40°C to +60°C

Quick Summary / Features

Listed for United States and Canada

Waterproof Proof

Operates on Standard 110-277 VAC

Vibration Resistant Construction

100,000 Hour LED Life

IP65 Waterproof

Approved for Confined Spaces

Approved for Indoor Use

Approved for Outdoor Use

Approved for Wet Locations

Ambient Temp Range -40°C to +60°

High Performance Integrated LED Assembly

Replaces 400 Watt Metal Halide Light Fixtures

Up to 87% Savings in Energy and Maintenance

Traditional Housing Matches Existing Fixtures

Special Orders - Special Requirements

Contact us for special requirements

Mounting: Wall / Flat Surface
Wiring: Pigtail
Wiring Hub: 1/2" NPT Knock-outs

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The LEDHWP-900 Traditional Style LED Wall Pack Light offers high light output from a compact form factor and is designed to provide a more durable and long lived alternative to halogen and metal halide units. This 90 watt LED light is designed to replace 400 watt metal halide wall packs and produces a wide flood beam without the high heat, fragile construction, or high energy costs of traditional lighting. The LED LEDHWP-900 provides 100,000 hours of reliability and up to 87% savings compared to traditional 400 watt metal halide wall pack fixtures.

The popular LEDHWP-900 traditional style LED wall pack light from Larson Electronics 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 90 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. This LED wall pack features a 2-piece hinged housing constructed of die cast aluminum alloy with an injected molded rubber gasket resembling that of traditional style wall pack fixtures. This LED wall pack is designed to withstand demanding conditions and is IP65 waterproof and built to resist the damaging effects of an outdoor environment. This fixture can be used indoors or outdoors as well as in confined spaces without heat buildup.



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[Click Photo to Enlarge](#)



The LEDHWP-900 consists of an integrated LED assembly housed within a waterproof die cast aluminum housing that is powder coated for added durability and resistance to corrosion. The 2-part hinged housing allows for easy wall mount installation and future servicing, and the aluminum design helps heat dissipation and increased LED longevity. The LED lamp assembly is protected by a prismatic glass lens which is secured to the housing with a one piece injected rubber seal. This prismatic glass lens is designed for superior light distribution. A 1/2" NPT knockout provides a secure and sealed power connection point and rounds out this unit's weather resistant construction. The traditional housing design of this LED wall pack helps maintain building aesthetics when replacing existing wall packs.

Unlike gas burning and arc type lamps that have glass bulbs, LEDs have no filaments or fragile housings to break during operation. 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 applied and emitting light. With LED lights, there is no warm up time or cool down time before re-striking and provide instant illumination when powered on, adding to the reliability of LED technology. By nature, LED light sources run significantly cooler than traditional lamps, reducing the chance of accidental burns and increased temperatures due to heat emissions. This solid state design of light emitting diodes provides a more reliable, stable, durable, and energy efficient light source over traditional lighting.

	<u>Metal Halide</u>	<u>LED</u>	<u>Savings</u>
Wattage	460* watts	90 watts	-370 watts
Amp Draw @ 120V AC	3.84 amps	0.97 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 (12hs/day @ 12c/kWh)	\$241.78	\$47.30	\$194.48/yr
Operation cost per year - 50 fixtures (12hs/day @ 12c/kWh)	\$12,089.00	\$2,365.00	\$9724.00/yr

*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.

This LED wall pack 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 LEDHWP-900 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 LEDHWP-900 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 LEDHWP-900 is ideal for wall pack lighting, wall pack down lighting, upwards lighting, monuments, marinas, docks, warehouses, billboards, parking lots, carports, loading areas, driveways, hotels, garages, commercial buildings, schools, public areas, and security systems just to name a few examples.



Frequently Asked Questions (FAQ)

There are no Faqs



Image: LEDHWP-900



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Product ID: 105145

Warranty: 60 Months.

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Options:

LEDHWP-900-Color Temp

Example: LEDHWP-900-56K

Color Temp	
5600K	-56K
4500K	-45K
3000K	-30K
2700K	-27K

Links (Click on the below items to view):

- **Beam Information (Coverage, Datafile)**(<https://www.larsonelectronics.com/images/product/BeamInfo/105145.PDF>)
- **Dimensional Drawing 2D**(<https://www.larsonelectronics.com/images/product/DimensionalDrawing/105145.PDF>)
- **IES (Photometric File)**(<https://www.larsonelectronics.com/images/product/ies/105145.ZIP>)
- **Operations Manual**(<https://www.larsonelectronics.com/images/product/Manual/105145.PDF>)
- **SpecSheetSpanish**(<https://www.larsonelectronics.com/images/product/SpecSheetSpanish/105145.PDF>)
- **STEP File (3D CAD Model)**(<https://www.larsonelectronics.com/images/product/Step/105145.ZIP>)
- **HigResPic1**(<https://www.larsonelectronics.com/images/product/HigResPic1/105145.JPG>)
- **HigResPic2**(<https://www.larsonelectronics.com/images/product/HigResPic2/105145.JPG>)
- **HigResPic3**(<https://www.larsonelectronics.com/images/product/HigResPic3/105145.JPG>)
- **HigResPic4**(<https://www.larsonelectronics.com/images/product/HigResPic4/105145.JPG>)
- **HigResPic5**(<https://www.larsonelectronics.com/images/product/HigResPic5/105145.JPG>)
- **HigResPic6**(<https://www.larsonelectronics.com/images/product/HigResPic6/105145.JPG>)
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- **HigResPic8**(<https://www.larsonelectronics.com/images/product/HigResPic8/105145.JPG>)
- **Video1**(<https://www.youtube.com/watch?v=HcJiev6Ssdo>)
- **ISO 9001 Certification**(<http://larsonelectronics.com/images/pdfdocs/ISO9001.PDF>)
- **Business Certificate**(<https://www.larsonelectronics.com/images/pdfdocs/w9.PDF>)
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