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LEDHCL-450-DNS-WCM

45 Watt LED Canopy Light - Day/Night Photocell - 175 Watt MH Equivalent - IP65 Rated

Product ID: 147708

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.

LEDHCL-450-DNS-WCM Wall Pack Light

Listing: United States - Canada
Lamp Type: LED
Dimensions (Inches): 12 3/8"-L x 12 3/8"-W x 8 5/8"-H
Dimensions (CM): 31.4-L x 31.4-W x 21.9-H
Weight: 7.9 Lbs.
Voltage: 120 or 240-277 Volts AC 50/60hz
Watts: 45
Total Lumens: 2,724
Luminous Efficacy: 45 lm/w
LED Life Expectancy: 100,000 hours
Lighting Configuration: Flood
LED Light Color: 4000K or 5000K
Color Rendering Index: >75
Power Efficiency: 85%
Power Factor: >0.95
Amp Draw: 0.75A @ 120V, 0.37 @ 240V, 0.33 @ 277V
Housing Materials: Die Cast Aluminum Alloy 2-Part Housing
Lens Materials: Prismatic Polycarbonate Lens
Gasket Materials: Injection Molded Rubber
Ingress Protection: IP65
Ambient Temp Range: -40°C to +60°C
Mounting: Ceiling / Flat Surface, Quick Mount
Wiring: Pigtail
Wiring Hub: Four 1/2" NPT Knock-outs

Quick Summary / Features

Listed for United States and Canada
Waterproof
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 175 Watt Metal Halide Light Fixtures
Up to 76% Savings in Energy and Maintenance
Traditional Housing Matches Existing Fixtures
Day/Night Photocell

Special Orders - Special Requirements

Contact us for special requirements

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The LEDHCL-450-DNS-WCM Traditional LED Ceiling Mount Canopy 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 45 watt LED light is designed to replace 175 watt metal halide canopy lights and produces a wide flood beam without the high heat, fragile construction, or high energy costs of traditional lighting. A day/night photocell enables this canopy light to automatically turn on when night time lighting conditions are detected. The LED LEDHCL-450-DNS-WCM operates on 120V or 240-277V AC and provides 100,000 hours of reliability and up to 76% savings compared to traditional 175 watt metal halide canopy light fixtures.

The popular LEDHCL-450-DNS-WCM traditional ceiling mount LED canopy light from Larson Electronics is designed to replace more fragile and energy consuming 175 watt metal halide fixtures, without the required maintenance or electrical requirements associated with metal halides. This 45 watt LED canopy light assembly consists of an integrated LED assembly paired with a polycarbonate lens to produce a wide light distribution suitable for replacing 175 watt metal halide flood lights. This LED ceiling mount canopy light features a 2-piece housing constructed of die cast aluminum alloy with an injected molded rubber gasket resembling that of traditional style canopy light fixtures. This LED canopy light 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.



Click Photo to Enlarge

Click Photo to Enlarge

The LEDHCL-450-DNS-WCM 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 housing allows for easy ceiling 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 polycarbonate lens which is secured to the housing with a one piece injected rubber seal. This prismatic polycarbonate lens is designed for superior light distribution. Four 1/2" NPT knockouts located on three of the sides and back of the fixture provide a secure and sealed power connection point and rounds out this unit`s weather resistant construction. The traditional housing design of this LED canopy light helps maintain building aesthetics when replacing existing canopy lighting. As an additional feature, this LED canopy light comes equipped with a day/night photocell that automatically turns the light on when ambient light levels are low enough, like at night.

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 is 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.

	Metal Halide	LED	Savings
Wattage	175* watts	45 watts	-130 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 (12hs/day @ 12c/kWh)	$91.98	$23.65	**$68.33/yr**
Operation cost per year - 50 fixtures (12hs/day @ 12c/kWh)	$4,599.00	$1,182.50	**$3,416.50/yr**

*Includes ballast factor LED has no ballast

80% in energy savings alone, before cost of maintenance for metal halide fixtures.
Up to 76% annual savings possible by switching to LED.

This LED canopy light is universal voltage, not multi-tap, and can be operated on a range of voltages of 120 or 240-277 volts AC 50/60Hz providing versatile power options for all locations. The LEDHCL-450-DNS-WCM provides an efficient and highly durable alternative to standard 175 watt metal halide as well as halogen, fluorescent, and compact fluorescent canopy lights while using only a fraction of the power.

With the LEDHCL-450-DNS-WCM 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 LEDHCL-450-DNS-WCM is ideal for canopy lighting, canopy down lighting, monuments, docks, warehouses, parking lots, gas stations, carports, loading areas, hotels, garages, commercial buildings, schools, public areas, and security systems just to name a few examples.

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Frequently Asked Questions (FAQ)









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LEDHCL-450-DNS-WCM
Product ID: 147708

Warranty: 60 Months

Harmonized System (HS) Code: 9405.41.84.10
Export Control Classification Number (ECCN): EAR99

Options:
LEDHCL-450-DNS-WCM-Voltage-Color Temp-Housing Color
Example: LEDHCL-450-DNS-WCM-120V-50K-BR

Voltage	
120V	-120V
240-277V	-2477

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

Housing Color	
BRONZE	-BR
WHITE	-WHT

Links (Click on the below items to view):

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