

45 Watt LED Canopy Light - Day/Night Photocell - 175 Watt MH Equivalent - IP65 RatedPart #: [LEDHCL-450-DNS-WCM](#)

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.

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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.

	<u>Metal Halide</u>	<u>LED</u>	<u>Savings</u>
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.

Specifications / Additional Information**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**Warranty:** 5 Years***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- Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671**Intl:** 1-903-498-3363**E-mail:** sales@larsonelectronics.com[Scroll Down to Purchase-](#)Part #: [LEDHCL-450-DNS-WCM \(147708\)](#)

Options:

LEDHCL-450-DNS-WCM- VOLTAGE - COLOR TEMP - HOUSING COLOR

Example: LEDHCL-450-DNS-WCM-120V-50K-BR

VOLTAGE		COLOR TEMP		HOUSING COLOR	
120V	-120V	5000K	-50K	Bronze	-BR
240-277V	-2477	4000K	-40K	White	-WHT









Links (Click on the below items to view):

- [Hi-Res Image 1 - LEDHCL-900 Profile View](#)
- [Hi-Res Image 2 - LEDHCL-900 Side View](#)
- [Hi-Res Image 3 - LEDHCL-900 Front View](#)
- [Hi-Res Image 4 - LEDHCL-900 Back View](#)
- [Hi-Res Image 5 - LEDHCL-900 1/2](#)
- [Hi-Res Image 6 - LEDHCL-900 Angle View](#)
- [Hi-Res Image 7 - LEDHCL-900 Front Angle View](#)
- [Hi-Res Image 8 - LEDHCL-900 Wire Cap](#)
- [Hi-Res Image 9 - LEDHCL-900 NPT Knockout](#)