100 Watt Traditional Semi Cut-Off LED Wall Pack 11000 Lumens - Replaces 400 Watt Metal Halide Fixt
Instruction Manual

Thank you for your purchase of the Larson Electronics LEDHWP-SC-1000.

WARNING:

READ CAREFULLY BEFORE INSTALLING FIXTURE. RETAIN THESE INSTRUCTIONS FOR FUTURE REFERENCE.
CRITICAL SAFETY INSTRUCTIONS:

- INSTALLATION SHOULD ONLY BE CONDUCTED BY A QUALIFIED ELECTRICIAN IN ACCORDANCE WITH NEC AND ANY RELEVANT LOCAL BUILDING CODES.
- RISK OF FIRE OR ELECTRIC SHOCK. FIXTURE INSTALLATION REQUIRES KNOWLEDGE OF FIXTURE'S ELECTRICAL SYSTEMS. IF NOT QUALIFIED, CONTACT A QUALIFIED ELECTRICIAN.
- BE CERTAIN ELECTRICAL POWER IS OFF BEFORE AND DURING INSTALLATION AND MAINTENANCE.
- MAKE SURE THE SUPPLY VOLTAGE IS THE SAME AS THE FIXTURE'S RATED VOLTAGE.
- TO PREVENT WIRING DAMAGE OR ABRASION, DO NOT EXPOSE WIRING TO EDGES OF SHEET METAL OR SHARP OBJECTS. SUITABLE FOR DAMP LOCATIONS.

IMPORTANT

READ CAREFULLY BEFORE INSTALLING THIS FIXTURE. SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE. THE LEDHWP-SC-1000 MUST BE WIRED IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE AND ALL APPLICABLE LOCAL CODES. PROPER GROUNDING IS REQUIRED FOR SAFETY.

WE STRONGLY ENCOURAGE ONLY A LICENSED ELECTRICIAN INSTALL, OPERATE AND MAINTAIN THIS PRODUCT. IF YOU ARE NOT QUALIFIED OR UNFAMILIAR WITH ANY ASPECT OF THIS INSTRUCTION SHEET, CONSULT AN ELECTRICIAN. THERE ARE NO SERVICEABLE PARTS INSIDE.

WARNING: MAKE SURE POWER IS TURNED **OFF** BEFORE STARTING THE INSTALLATION OR PERFORMING ANY MAINTENANCE.

RISK OF FIRE/ELECTRIC SHOCK – DISCONNECT POWER AT BREAKER BEFORE INSTALLING OR SERVICING.
RISK OF PERSONAL INJURY – FIXTURE MAY BECOME UNSTABLE OR DAMAGED IF NOT INSTALLED PROPERLY.
RISK OF BURN – ALLOW FIXTURE TO COOL BEFORE SERVICING.

The LEDHWP-SC-1000 Traditional Style Semi-Cutoff 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 100 watt integrated LED light assembly 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-SC-1000 provides 11000 lumens and 50,000 hours of reliability with up to 75% savings compared to traditional 400 watt metal halide wall pack fixtures.

WIRING

Standard pigtail(flying leads) wiring

We strongly encourage a licensed electrician install this product, in all locations especially in outdoor areas where weatherproofing may be required. Universal voltage driver permits operation at 100V - 277V AC, 50 or 60Hz.

Warning: *Check product label for correct input voltage!*

Attach supply line wires to the appropriate light fixture wires as shown in the diagram ➔



Secure each pair of wires according to the diagram. Utilize a junction box or similar device and take precautionary steps for weatherproofing all connections if installed in a location where water may come in contact with the unit. Ensure the unit is properly grounded and that wiring is done according to all local and national electrical/building codes.





Features

- Lumileds LED, high luminous efficiency and long working life.
- High efficiency LED Driver, the wide range input voltage AC100-277V / 200 - 480 V.
- Die Cast aluminium cooling design,high quality and better cooling for LED Tj < 85℃.
- Excellent Optics design, greatly improve the light utilization and evenness.

Product Applications

The LED Semi-Cutoff Wall Pack series can be widely used in indoor or outdoor lighting(Wet location),like mechanical or electronic processing workshops, storage warehouses, steel mills, gas stations, toll booth, waiting rooms, the platforms of railway station , indoor stadiums.



LED SEMI-CUTOFF

⚠ WARNING

PLEASE READ ALL INSTRUCTIONS BEFORE ATTEMPTING INSTALLATION

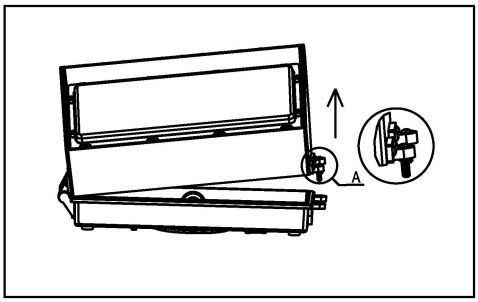
— To prevent personal injury or product damage only licensed electricians should install.
— To avoid electric shock or component damage disconnect power before attempting installation or servicing.
— This product must be installed in accordance with the national electric code (NEC) and all applicable federal, state and local electric codes and safety standards.
— Disconnect product and allow cooling prior to servicing.
— Any alteration or modification of this product is expressly forbidden as it may cause serious personal injury, death, property damage and/or product malfunction.
— To prevent product malfunction and/or electrical shock this product must be properly grounded.
— This luminaire is designed to operate in ambient temperatures ranging from -30° c to 45° c and to be horizontally mounted with the LEDs facing down.
— Wall mount only.

1. Unpacking

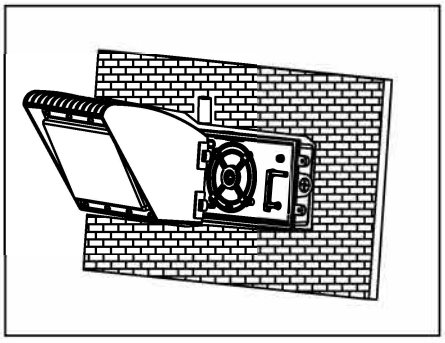
Thoroughly inspect the fixture for freight damage. Freight damage should be reported to the delivery carrier.

2. Installation

1）. Take off the screw of the heat sink and take off the front lid carefully from the back. The angle between the front cap and the back cap should be 0-45 degrees.



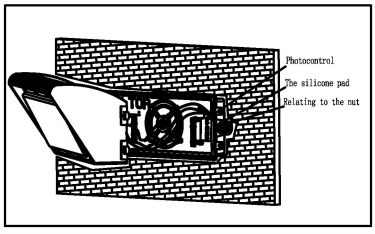
3). Connect wire A with wire C (The black one is L, white one is N, and the yellow one is ground wire), installing the front cap .



3. Installation of the photocell

Photocell input voltage range 120V or 277V, 60HZ,

1). Pick a ½" cap of either side of the product and install the photocell according to the picture.

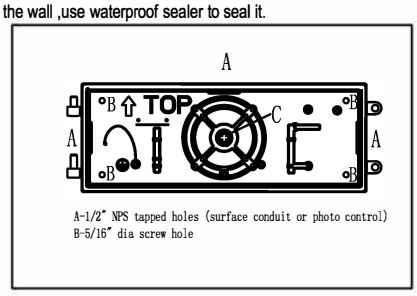


4. Checking

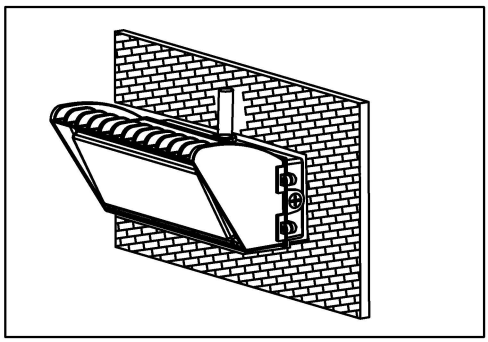
1). Does all the wires connected in a correct way as the pictures below show?
2). Is the ground lead installed appropriately?
3). make sure the photocell function well.

2）. A: After determining a place to put a conductor, take off the ½" cap and make a hole according to the example (B). Fix it on the wall with an appropriate screw. (Please use glue to block the hole to prevent water leakage.)

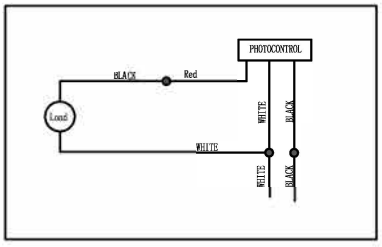
2）. B: When installing the junction box, take off the ½" cap of the C wire in the middle. This product supports standard 3 ¼" and 4" junction box. After installing the back cap on the wall ,use waterproof sealer to seal it.



4). Make sure all wires are connected correctly，and lock up with the screw.



2). complete the photocell system after installing the photocell.

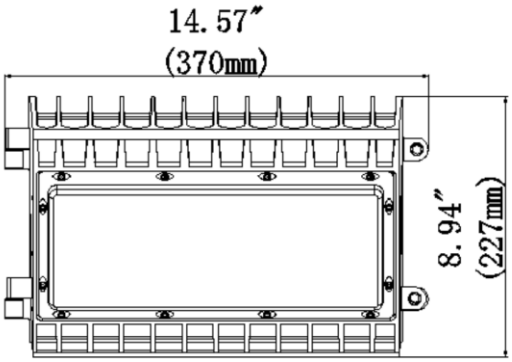


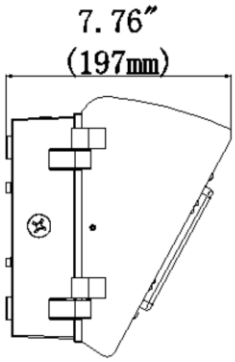
Specifications

Unit : inch(mm)

Structure Features

- Shell materials: Aluminum & PC.
- Finish: Black/White
- Net weight : 6.8Kg (15 lbs)
- Product Size:370mm*227mm*197mm
- Carton Size:385mm*320mm*280mm

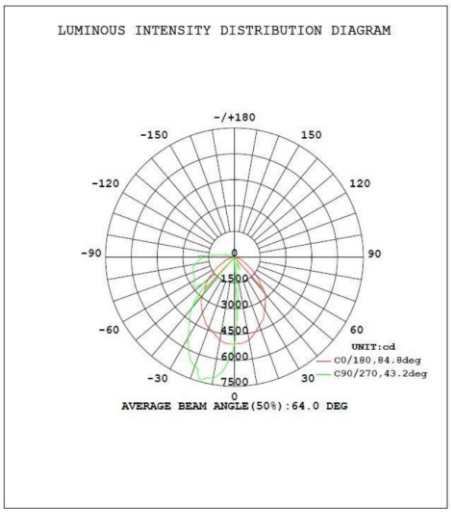


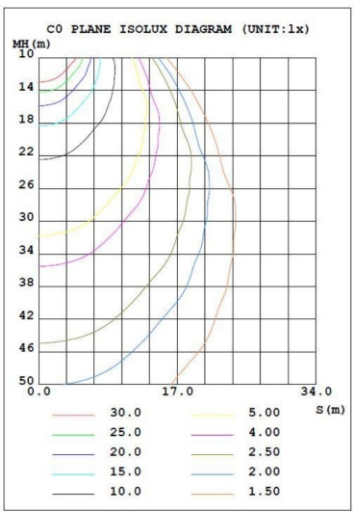


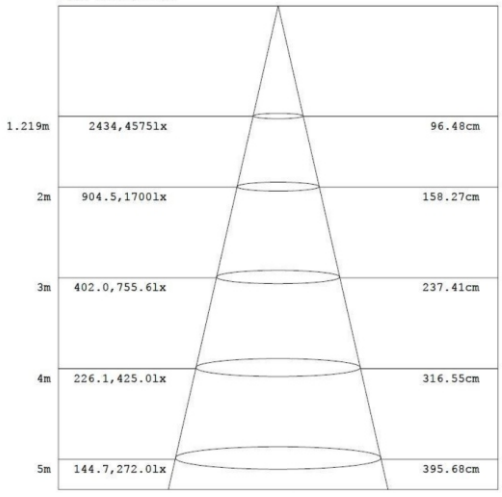
Technical Parameters

LEDHWP-SC-1000			
Power	100W	Lighting Angle	60*90°
Input Voltage	AC100-277V/200-480V	LED Brightness Decay	<5%/6000 hrs
PF	>0.95	Working Life	>50000 hrs
Driver Efficiency	>90%	Working Temperature	-30 - +45℃
Luminous Flux	16000 Lm	Storage Temperature	-40 -+80℃
Color Temperature	4000K/5000K	Protection Level	Wet Location/IP65
CRI	Ra>80	Cable	Input Connect, 1.5m

Photometry







Example:LEDHWP-SC-1500						
WSD	HWP	10W	27	XXK	X	
Conmpany	Product	Power	Voltage	Color Temp	Control	
	HWP	10W(150W)	27	40K(4000K)	P	
WISDOM	Semi-Cutoff		AC100-277V	50K(5000K)±500K	Photocell	
	Wall Pack		48			
			AC200-480V			

MAINTENANCE

Caution: To avoid personal injury, disconnect power to the light and allow the unit to cool down before performing maintenance.

Warning: No user serviceable parts inside of fixture. Risk of electric shock. Removal of the lens will void the warranty.

1. Perform visual, mechanical and electrical inspections on a regular basis. We recommend routine checks to be made on a yearly basis. Frequency of use and environment should determine this. It is recommended to follow an Electrical Preventive Maintenance Program as described in NFPA 70B: Recommended practice for Electrical Equipment.
2. The lens should be cleaned periodically as needed to ensure continued photometric performance. Clean the lens with a damp, non-abrasive, lint-free cloth. If not sufficient, use mild soap or a liquid cleaner.
3. Inspect the cooling fins on the luminaire to ensure that they are free of any obstructions or contamination (i.e. excessive dust build-up). Clean with a non-abrasive cloth if needed.
4. Do not operate if the lens is cracked or damaged. All fasteners should be properly seated.

USE AND CARE

Unauthorized modification may impair the function and/or safety of this device and could affect the life of the equipment. Always check for damaged or worn out parts before using the device. Store it in a secure place out of the reach of children when not in use. Inspect for good working condition prior to storage and before re-use.

REPLACEMENT PARTS

The LEDHWP-SC-1000 is designed to provide years of reliable performance. Should the need for replacement parts arise, please contact Larson Electronics.

THESE INSTRUCTIONS MAY NOT COVER ALL DETAILS OR VARIATIONS OF THIS PRODUCT FOR YOUR EQUIPMENT OR INSTALLATION REQUIREMENTS. SHOULD FURTHER INFORMATION NOT COVERED BY THESE INSTRUCTIONS BE REQUIRED, PLEASE CONTACT LARSON ELECTRONICS BY EMAIL AT SALES@LARSONELECTRONICS.COM OR BY PHONE AT 1-800-369-6671 FOR FURTHER ASSISTANCE.

PLEASE VISIT LARSONELECTRONICS.COM FOR **WARRANTY** AND **RETURN** INFORMATION.