56W Class 1 Division 2 Hazardous Location LED Light Motion + Day/Night Sensor - Corrosion Resistant Instruction Manual

Thank you for your purchase of the Larson Electronics HALP-48-2L-LED-DNMS Corrosion Resistant light fixture. Please follow the steps below in order to operate and maintain this product.

WARNING!

1. TO PREVENT RISK OF ELECTRICAL SHOCK DEACTIVATE/DISCONNECT POWER SUPPLY BEFORE INSTALLING, MAINTAINING OR RELAMPING FIXTURE.
2. TO REDUCE RISK OF FIRE OR EXPLOSION, DO NOT INSTALL WHERE THE MARKED OPERATING TEMPERATURE EXCEEDS THE IGNITION TEMPERATURE OF THE HAZARDOUS ATMOSPHERE(S).
3. THIS FIXTURE SHOULD BE INSTALLED BY QUALIFIED TECHNICIANS IN STRICT ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND ANY LOCAL REQUIREMENTS.

INSTALLATION

1. Install fixture to surface with preinstalled mounting brackets (mounting hardware not included).
2. Remove lens by releasing 8 latches that secure the lens. Start with one side and continue to the other side. Keep hold of the lens as this will be free once brackets are removed.
3. There are clips on both sides holding the ballast tray to the fixture base. Pinch the clips on both sides to release the tray and access the underside.
4. Electrical voltages and frequency are listed on the product nameplate for reference. This fixture comes preconfigured to work with the selected voltage. Check product nameplate to ensure proper voltage to the fixture before energizing!
5. For supply connections use conductors suitable for min. 90° C.
6. Connect internal wires per wiring diagram, and according to NEC requirements.
7. Replace the ballast tray until the clips snap in to secure it.
8. Replace lens and secure all 8 latches.

To replace lamps, remove the lens from the fixture (*step 2*) and rotate each lamp until they can be slid out from each connection point. Replace with matching lamp and reverse the process.

MAINTENANCE

Electrical and mechanical inspection of all components must be performed on a regularly scheduled basic, determined by the environment and frequency of use. It is recommended that inspection be performed a minimum of once a year.

WARNING: ELECTRICAL POWER SUPPLY MUST BE “OFF” BEFORE AND DURING INSTALLATION AND MAINTENANCE. INSTALLATION AND MAINTENANCE PROCEDURE MUST BE PERFORMED BY A TRAINED AND COMPETENT ELECTRICIAN.

1. Inspect all contact wire terminals for tightness. Discoloration due to excessive heat is an indicator of a possible problem and should be thoroughly investigated and repaired as necessary.
2. Inspect contacts for signs of wear and replace if necessary.
3. Clean exterior surfaces making sure nameplates remain legible.

If any part of the light appears to be missing, broken, or show signs of damage—discontinue use immediately! This condition could cause serious or fatal personal injury due to electrocution and/or equipment damage. Repair with the proper replacement part(s) before continuing service.

TROUBLESHOOTING

Refer to the guide below or contact the manufacturer if the fixture does not function properly.

- ➔ Is the correct line voltage being supplied to the fixture?
- ➔ Is the fixture properly grounded?

MOTION + DAY/NIGHT SENSOR

The sensor can be configured to work for the environment installed. Features such as Sensitivity, Time on, and LUX can be configured. ***De-energize fixture prior to making adjustments in order for them to take effect!***

DIP SWITCHES

IMPORTANT: persons or objects moving towards the sensor are detected best.

NOTE: The high frequency of the output of this sensor is <10Mw – that is just one 100th of the transmission power of a mobile phone or the output of a microwave oven.

SENSITIVITY

ON	1	2	DISTANCE
	—	—	2m (6.5ft)
	—	ON	5m (16ft)
	ON	—	8m (26ft)
	ON	ON	10m (32ft)

Detection Area

Detection area can be reduced by selecting the combination on the DIP switches to fit precisely each application.

TIME

ON	1	2	3	AMOUNT
	—	—	—	10 SEC
	—	—	ON	1 MIN
	—	ON	—	5 MIN
	—	ON	ON	10 MIN
	ON	—	—	15 MIN
	ON	—	ON	20 MIN
	ON	ON	—	25 MIN
	ON	ON	ON	30 MIN

Hold Time

Refers to the time period the lamp remains illuminated after no motion is detected.

LUX

ON	1	2	3	AMOUNT
	—	—	—	24 HR
	—	—	ON	10 LUX
	—	ON	—	20 LUX
	—	ON	ON	50 LUX
	ON	—	—	100 LUX
	ON	—	ON	200 LUX
	ON	ON	—	300 LUX
	ON	ON	ON	500 LUX

Daylight Sensor

The sensor can be set to only allow the lamp to illuminate below a defined ambient brightness threshold. When set to Disable mode, the daylight sensor will switch on the lamp when motion is detected regardless of ambient light level. 30lux, 50lux, 100lux,: twilight operation, 5lux, 15lux: darkness operation only.

ON - INDICATES DIP SWITCH ON
— - INDICATES DIP SWITCH OFF

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 at 1-800-369-6671 for further assistance.

Please visit LarsonElectronics.com for **Warranty** and **Return** information.