



KT-EMRG-LED-40SD-5000-CEN /SF

INSTALLATION INSTRUCTIONS

PLEASE FIND A QUALIFIED ELECTRICIAN FOR INSTALLATION. Please read the instructions before you install and use the luminaire.

WARNING:

AC power must be off before proceeding with assembly or installation of emergency driver

Please read the following instructions applicable to these models.

CAUTION: DO NOT USE OUTDOORS

CAUTION: DO NOT MOUNT NEAR GAS OR ELECTRONIC HEATERS

CAUTION: EQUIPMENT SHOULD BE MOUNTED IN LOCATIONS AND AT HEIGHTS WHERE IT WILL NOT BE SUBJECTED TO TAMPERING BY UNAUTHORIZED PERSONNEL.

CAUTION: THE USE OF ACCESSORY EQUIPMENT NOT RECOMMENDED BY THE MANUFACTURER MAY CAUSE AN UNSAFE CONDITION.

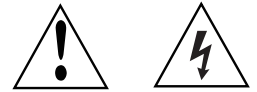
CAUTION: DO NOT USE THIS EQUIPMENT FOR OTHER THAN ITS INTENDED USE.

CAUTION: Use with grounded, UL Listed, damp location rated fixtures and case should be grounding.

CAUTION: The equipment is intended for ordinary locations and for permanent installation into one or more listed emergency luminaires.

IMPORTANT: Please charge the battery consistently for >24 hours for the first time usage so as to activate the whole battery cells of discharging/charging duration.

IMPORTANT: The products are produced with built-in batteries, which could be stocked for one year at most without being used. If clients keep them for more than one year, the batteries may be damaged. This is not covered in the warranty.



Please turn off the main power before any operation. Only licensed electricians are permitted for the operation.



MODEL NUMBER	INPUT VOLTAGE	OUTPUT VOLTAGE IN EM MODE	POWER	BATTERY PACK	DURATION
KT-EMRG-LED-40SD-5000-CEN /SF	100-277Vac 50-60Hz	150-200 VDC	35.1W	LiFePO4 12.8V 6.6Ah	90 Minutes

SELF-TEST MODE

- **After connecting the AC wires and turning on the main power, the emergency driver will go in self-test mode for 3 seconds.**

When in self-test mode:

- 1) The indicator will flash red every 2 seconds;
- 2) If main power is off during self-test mode, emergency driver will go into discharging mode immediately and stop self-testing.

- **If the self-test fails, it goes into failure mode.**

When in failure mode, the indicator will flash red every half second. Reasons for failure may include:

- 1) The battery pack is not connected or it is broken.
- 2) The load is not connected.
- 3) A short circuit may be present.
- 4) The dimming wires are not connected properly.

- **If the emergency driver passes the self test, it will go into charging mode:**

The indicator will be constant red.

- **Remark**

If the battery voltage is lower than 30% rated voltage, the indicator will flash every 2 seconds.

The emergency driver will only conduct self-test mode when the battery voltage is above 30% capacity.

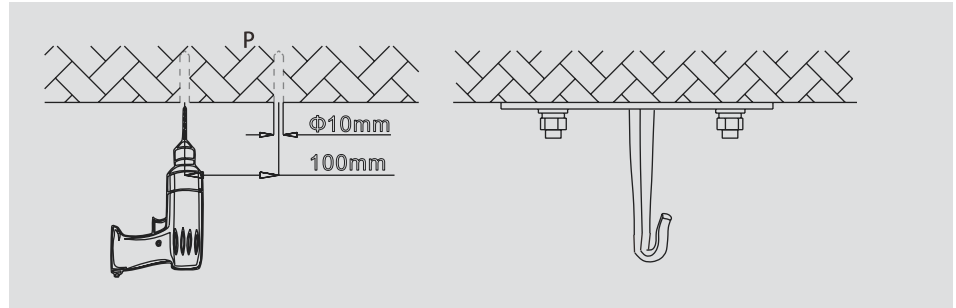


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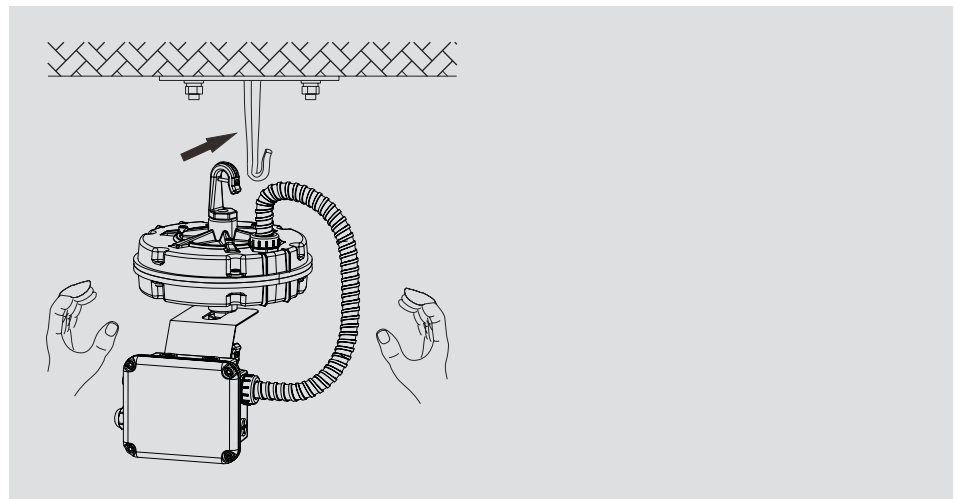
Step 1:

Please select a mounting hook with a loading capacity of $\geq 100\text{kg}$. Typically industrial luminaires with emergency drivers weigh $< 20\text{kg}$ together, this will ensure ample loading margin.



Step 2:

Hang the emergency driver on the mounting hook.

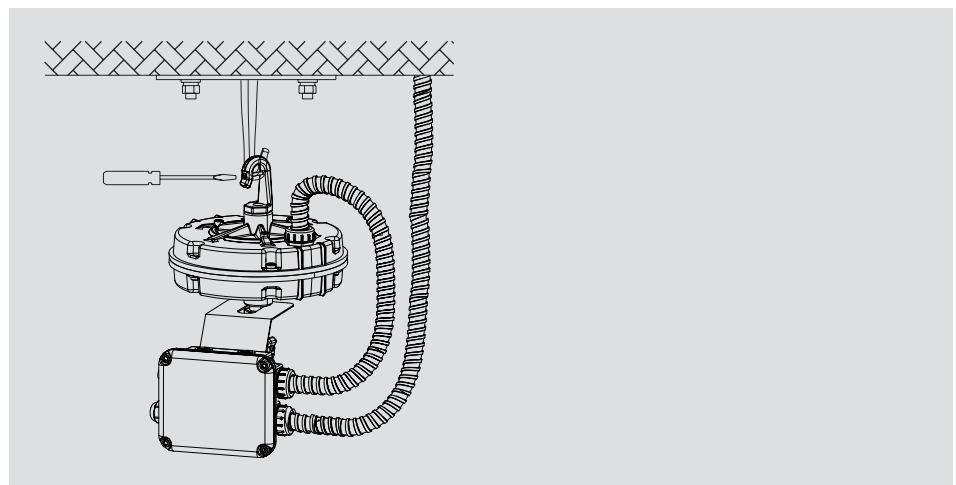


Step 3:

Fasten the screw on the top hook of the emergency driver. Ensure all set screws on the installation are tightened.

Step 4:

Route AC power from the building into the J-Box.



(Installation Instructions continued on next page)

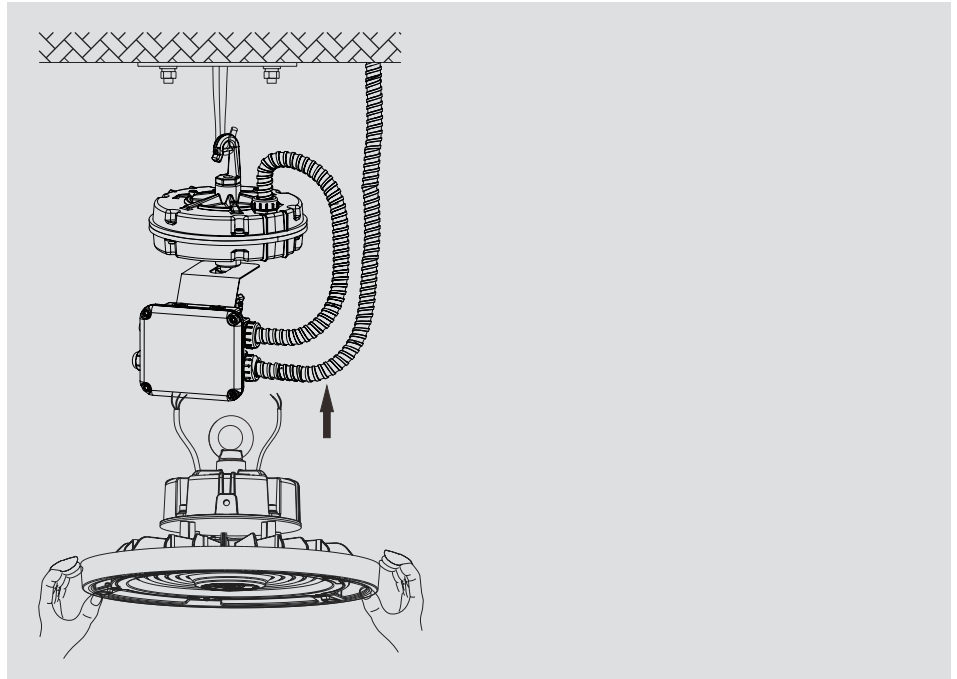


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INSTALLATION INSTRUCTIONS (CONTINUED)

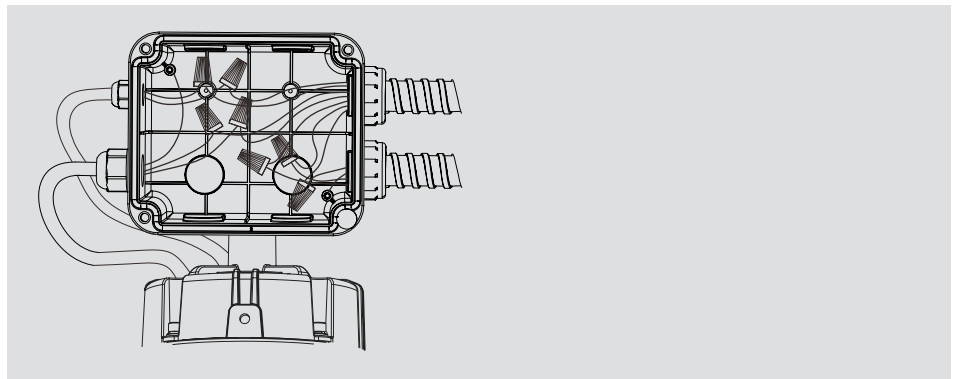
Step 5:

Install the luminaire onto the hook of the emergency driver, then lock the safety screw. Route the luminaire power and dimming cables through the pre-installed strain reliefs on the J-box.



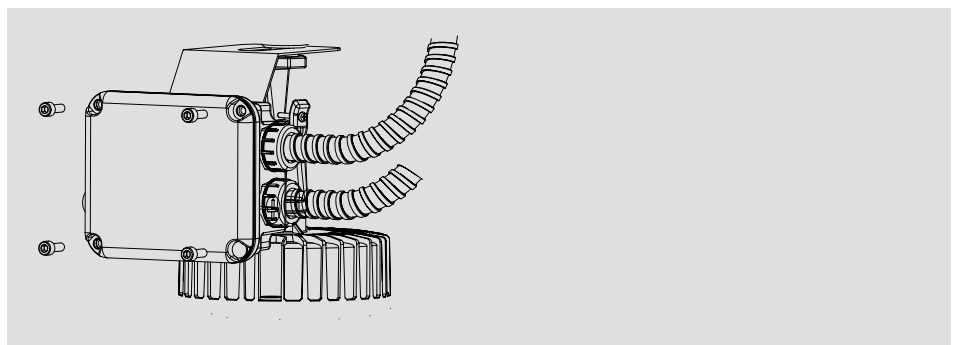
Step 6:

Open the front cover of the J-box and wire according to the diagram below. Ensure the ground wires are connected to the J-box ground wire.



Step 7:

Fasten all the screws of the front cover for the J-box, and installation is complete.



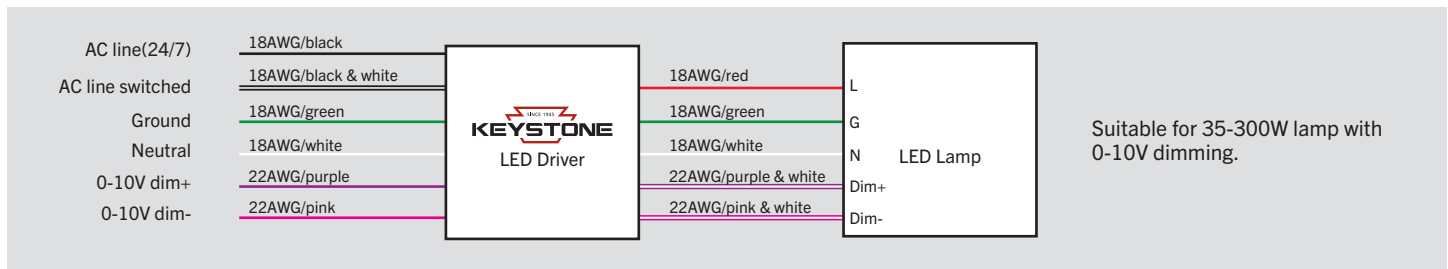


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UNINSTALLATION

The emergency driver does not have a manual battery connector. To disconnect the battery for uninstallation, press and hold the button for 5 seconds. This will ensure no battery power is applied to the wires.

GENERAL WIRING DIAGRAM



Note: *In accordance with NEC-20 410.69 2022, all 0-10V negative wires have been updated from gray to pink. Please contact Keystone for details

PACKAGING INFORMATION

SIZE	QTY/CARTON	NET WEIGHT	GROSS WEIGHT
L360 x W315 x H265mm/ L14.17 x W12.4x H10.43in	1 pc	2.8kg / 6.2lb	3.7kg / 8.2lb

SAVE THESE INSTRUCTIONS