

Installation Instructions

NEPK-23LEDUNV-JB

23W Emergency LED Driver with Remote Test Switch

READ PRIOR TO ATTEMPTING INSTALLATION
ALWAYS TURN OFF MAIN POWER BEFORE INSTALLATION
INSTALLATION SHOULD BE CARRIED OUT BY YOUR LOCAL ELECTRICIAN



IMPORTANT SAFEGUARDS

When using electrical equipment, basic safety precautions should always be followed including the following

PLEASE READ AND FOLLOW ALL SAFETY INSTRUCTIONS

CAUTION: Before installation, turn off main power supply.

CAUTION: RISK OF SHOCK - disconnect emergency and normal input power sources before servicing any equipment connected to this unit.

CAUTION: RISK OF FIRE OR ELECTRIC SHOCK - This emergency battery pack installation requires knowledge of luminaire and electrical systems.

CAUTION: Servicing of this equipment should be performed by a qualified personnel only.

CAUTION: Verify that all replacement lamp types marked on the installed luminaire are also identified as suitable for use with this emergency battery pack.

CAUTION: The use of accessory equipment is not recommended by the manufacturer may cause an unsafe condition.

CAUTION: Do not use this equipment for other than its intended use.

CAUTION: Equipment should be mounted in locations and at heights where it will not be subjected to tampering by unauthorized personnel.

CAUTION: The emergency battery pack is not for in an air-handling fixture.

TESTING SYSTEM: The emergency battery requires a charge minimum of one(1) hour before testing the circuit. A full charge requires twenty-four(24) hours.

CAUTION: An unswitched AC power source is required (100-277VAC, 50/60Hz).

CAUTION: 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.

CAUTION: Customers are advised to charge emergency LED drivers 24 hours every 6 months during storage, and which could be stocked for 1 year at most. If customers do not install and recharge for more than 1 year, the batteries may be damaged, This is not covered in the warranty, and we would charge for replacement.

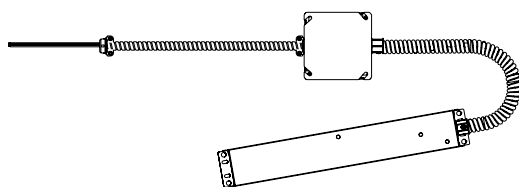
CAUTION: Lighting fixture manufacturers, electricians, and end-users need to ensure product system compatibility test before using and final installation.

CAUTION: Do not use outdoors.

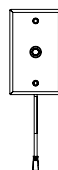
CAUTION: Do not mount near gas or electric heaters.



PACKAGING CONTENTS



NEPK-23LEDUNV-JB



LED Test Switch with Wall Plate



(2) 8-32 Machine Screws
5/8" Long

LED INDICATOR AND TROUBLESHOOTING GUIDE

LED Indicator Status	Mode
 Solid Red	Battery is charging
 Solid Green	Battery is fully charged
 Flashing Green	Self-diagnostic test
 None	In emergency mode or battery is discharged

LED Indicator Status	Possible Causes	Troubleshooting
 Flashing Red	- LED Load was short circuit, over current or open circuit. - Output circuit fail in emergency mode.	Check for short circuit, over current or open circuit at the output leads
 Flashing Red x2	Charging failure	- Check input leads for Unswitched Hot, Line, and Neutral - Verify input voltage and frequency
 Flashing Red x3	- Battery not connected - Battery failure	Check battery switch or connection
 Flashing Red x4	Self-diagnostic test did not meet full duration	Charge the unit for 24 hours and rerun the self-diagnostic test

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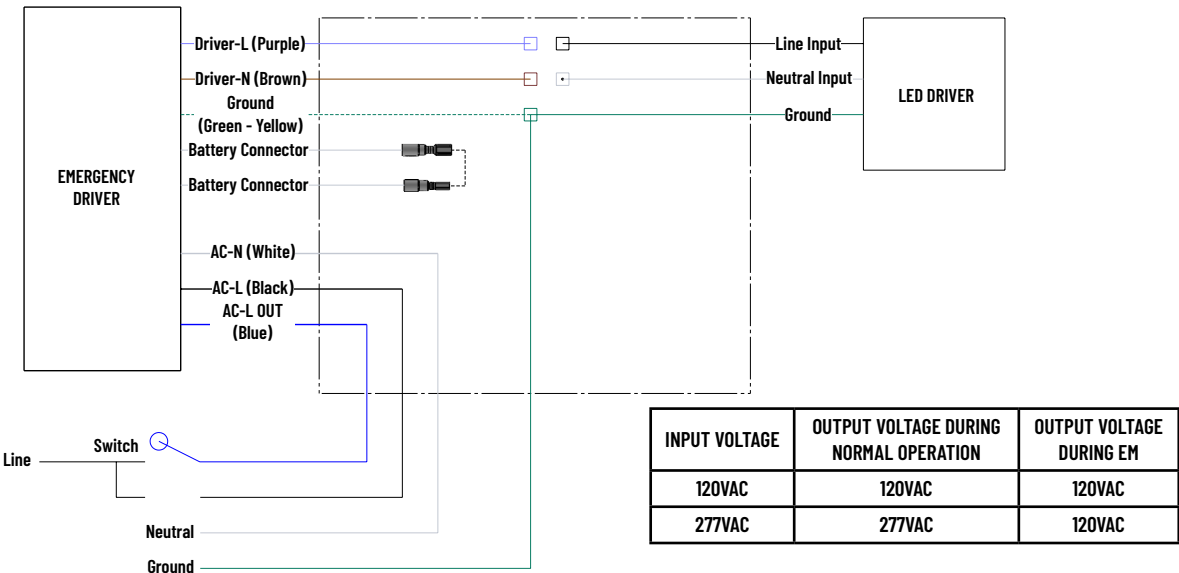
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WIRING DIAGRAM FOR NEPK-23LEDUNV-JB

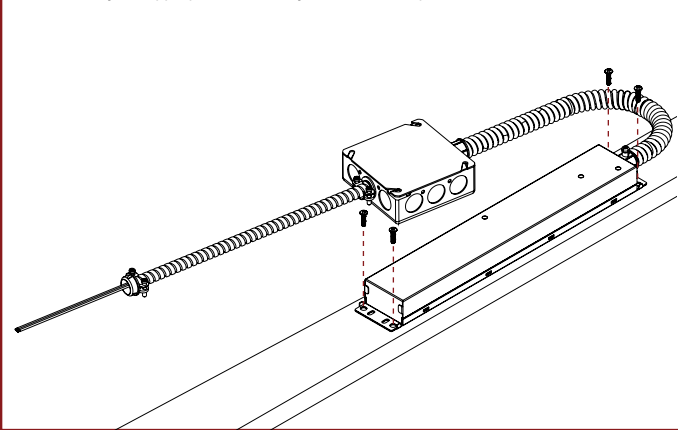
1. Refer to the wiring diagram and connect the emergency driver. Luminaire supports remote mounting of emergency driver at a maximum distance of 10 feet. Contractor - supplied extension wiring shall not exceed 8 feet from the factory lead termination point. Make sure all connections are in accordance with the National Electrical Code and any local regulations.
2. After installation is completed, turn on power to confirm the EM and luminaire are functioning properly.
Use the LED indicator chart to confirm the EM unit is operating properly or to troubleshoot.

NOTE: It is recommended to use no more than 90% of the maximum power rating (23W).

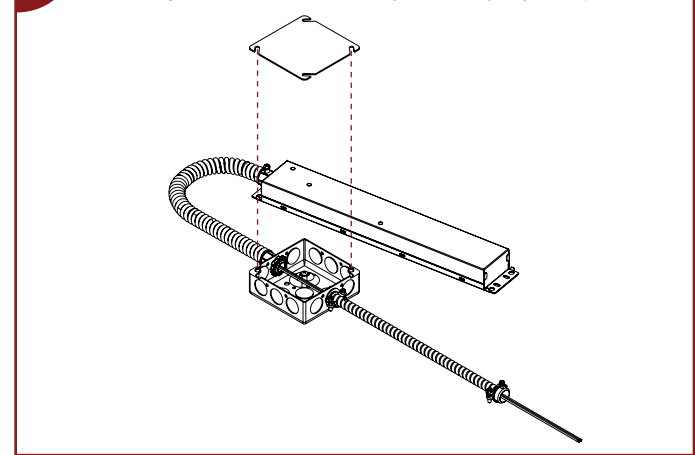


NEPK-23LEDUNV-JB INSTALLATION

1. Secure NEPK-23LEDUNV-JB to a stable, structurally sound surface using the appropriate mounting hardware. (not provided)



2. Access the junction box and wire according to the wiring diagram as provided.



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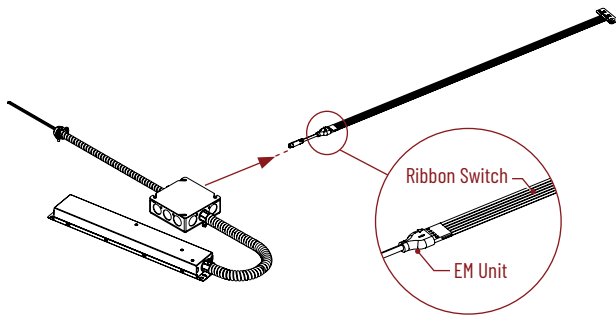
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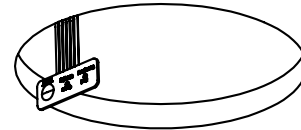
OPTIONAL ACCESSORY INSTRUCTION

REQUIRES NEPKA-20/23LEDRTS (ORDERED SEPARATELY)

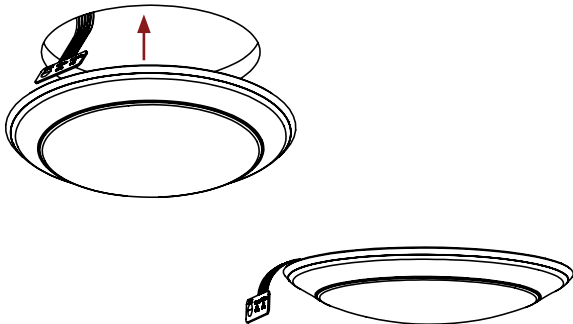
- 1** Connect NEPKA-20/23LEDRTS Ribbon Switch, to the emergency unit.
NOTE: If the switch button are working but the LED indicators aren't lighting up, check the connector's polarity. Make sure the arrows and pins on both connectors are on the same side.



- 2** Pull the NEPKA-20/23LEDRTS through the cut out.



- 3** Install the luminaire as intended with the NEPKA-20/23LEDRTS sticking out of the ceiling cutout.



- 4** Remove the label from the adhesive and place the LED switch indicator onto the luminaire.

