EMERGENCY DRIVER SERIES

ESL-EMG-HB2-CWR-25W Installation Guide

⚠ WARNING

1. This emergency driver provides more than one power supply output source. To avoid electric shock, disconnect power at source prior to installation.
2. The installation should be performed by qualified electricians or lighting technicians.
3. Do not attempt to service the battery. A sealed, no-maintenance battery is used and is not field replaceable. Replace the entire unit when necessary.
4. The emergency driver requires a constant AC power source of 100–347 VAC, 50/60Hz.
5. Battery pack should be charged for 24 hours every 6 months during storage.
6. Battery in this unit may not be fully charged. Normal operation will occur after electricity is connected to the unit for at least 24 hours.
7. Do not mount near gas or electric heaters. Do not let power supply cords touch hot surfaces.
8. Not for outdoor use.
9. Suitable for minimum 10W LED lamp.
10. Maximum Installation Height: 28.5 ft.

Before Installation:

1. Turn off the AC power before installing.
2. The Maximum weight of lighting fixture should be less than 20kg.
3. Assemble the EMG backup with the Safety Rope and the chain link connector.
4. Please use waterproof connectors where appropriate.

Installation:

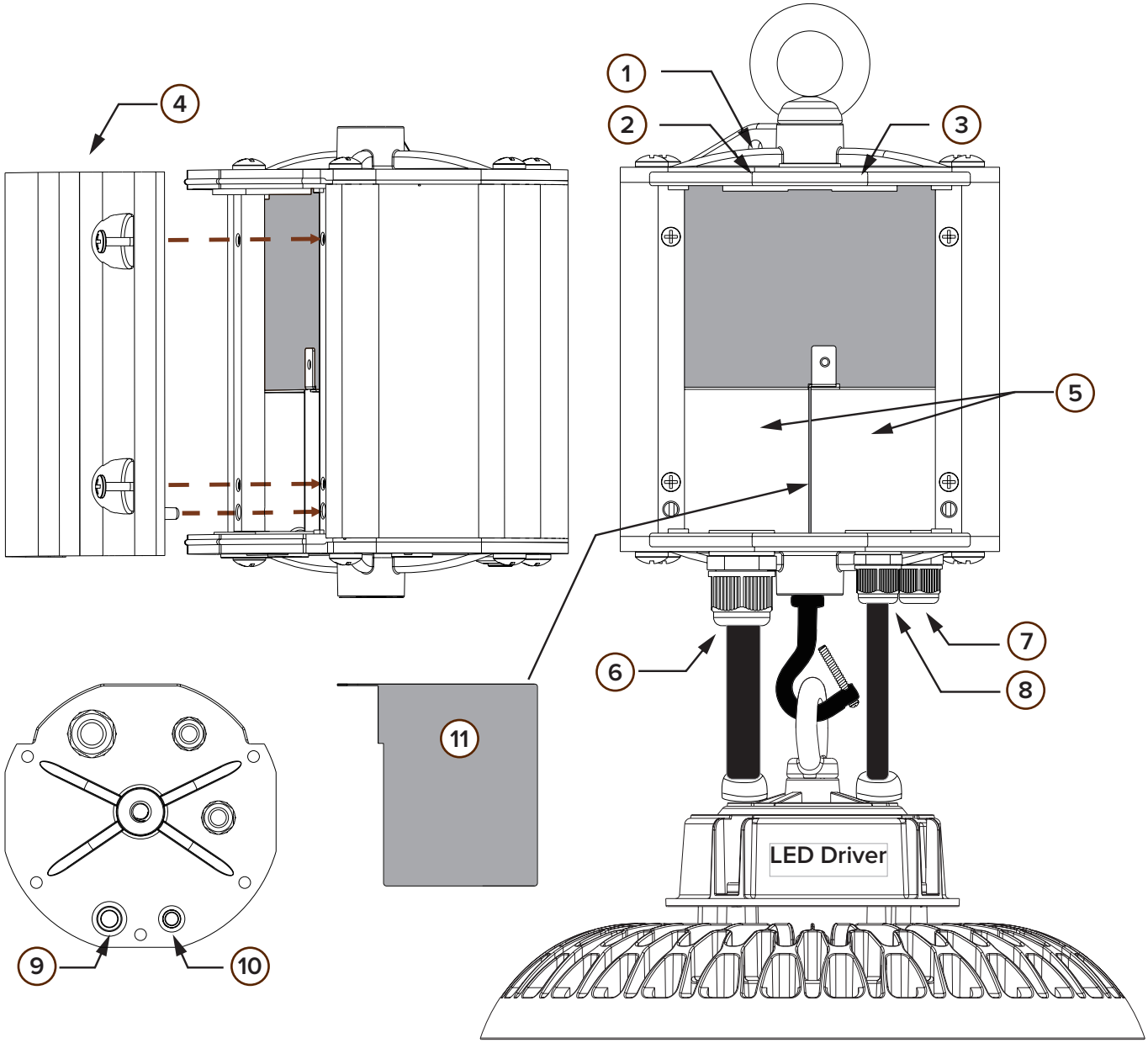
1. Install the ring M10 Hanging Ring Bolt to the EMG backup, tighten with provided screw.
2. Install the M10 Hanging Hook Bolt to the EMG backup and attach it with provided screw.
3. Install the UFO high bay to the Hanging Hook of EMG backup and tighten the screws.

Wiring:

1. Before wiring, make sure safety rope is securely locked and make sure all screws are tightened.
2. Open the cover of junction box.
3. Select the appropriate wiring diagram to connect the emergency driver to the AC driver.
4. The voltage input to the dimmable wires (DIM+, DIM-) of emergency LED driver must less than 20 VDC.
5. Use wire nuts to cover unused wires and make sure all connections are in accordance with NEC and local regulations.

Testing:

1. After wiring is complete, restore the power. The indicator light will show if the battery is charging.
2. The battery in this unit may not be fully charged. A short-term discharge test may be conducted after the emergency driver has been charging for 1 hour. Charge for 24 hours before conducting a long-term discharge test.



1 Safety Rope Interface	6 LED Driver Input Wire
2 AC Input Wire Interface	7 Sensor Wire Interface
3 Dimming Wire Interface	8 LED Driver Dimming Wire
4 Integrated Junction Box Cover	9 Charge Indicator & Test Switch
5 Junction Box	10 Signal Receiver
11 Septum	

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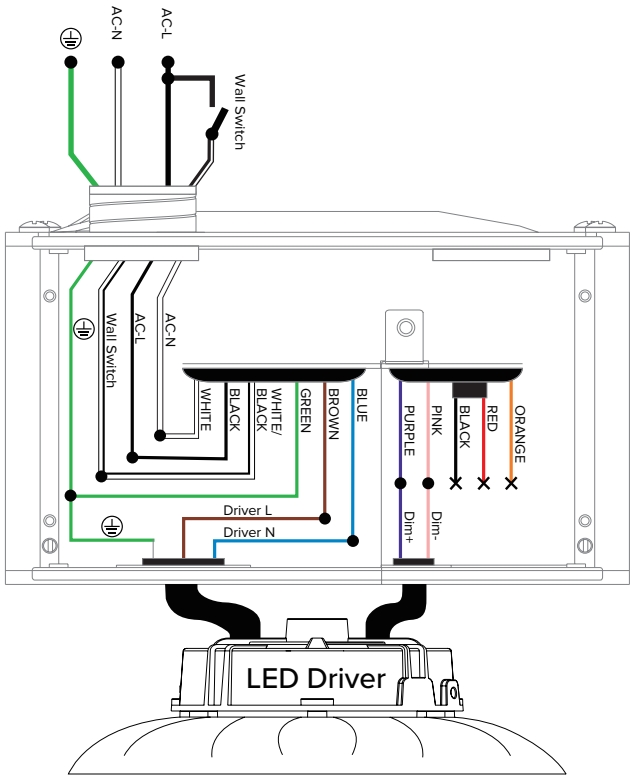
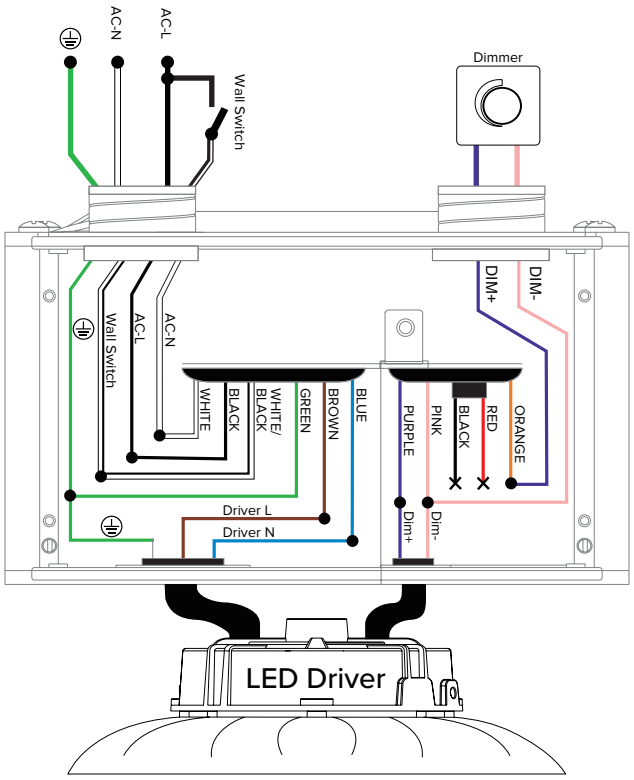
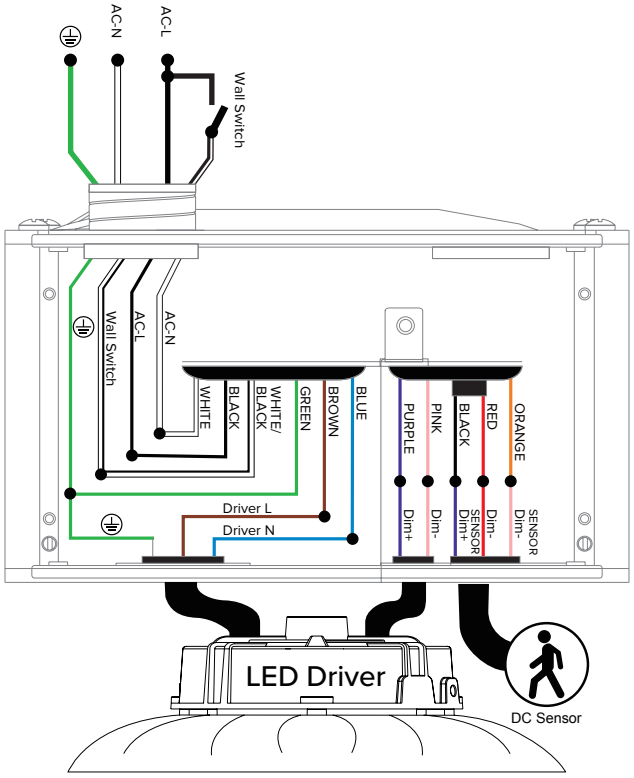
Standard Installation



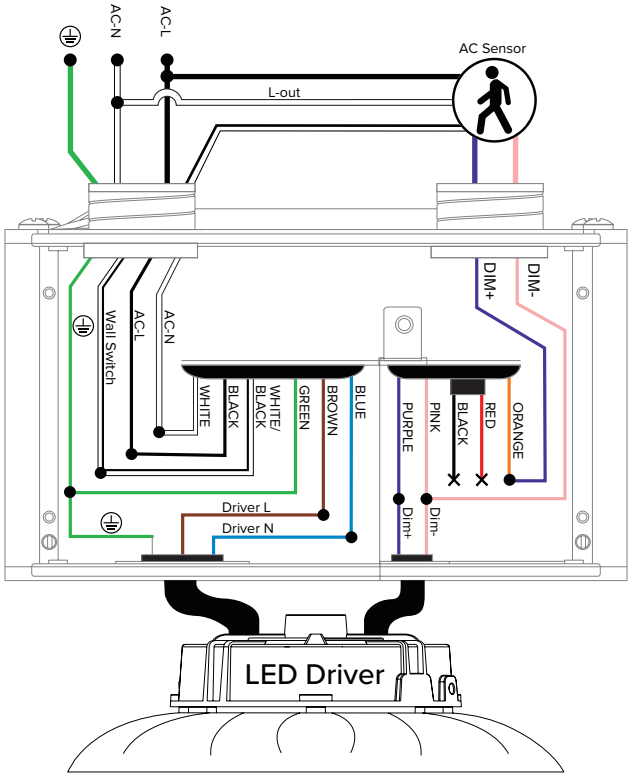
Dimmer Installation



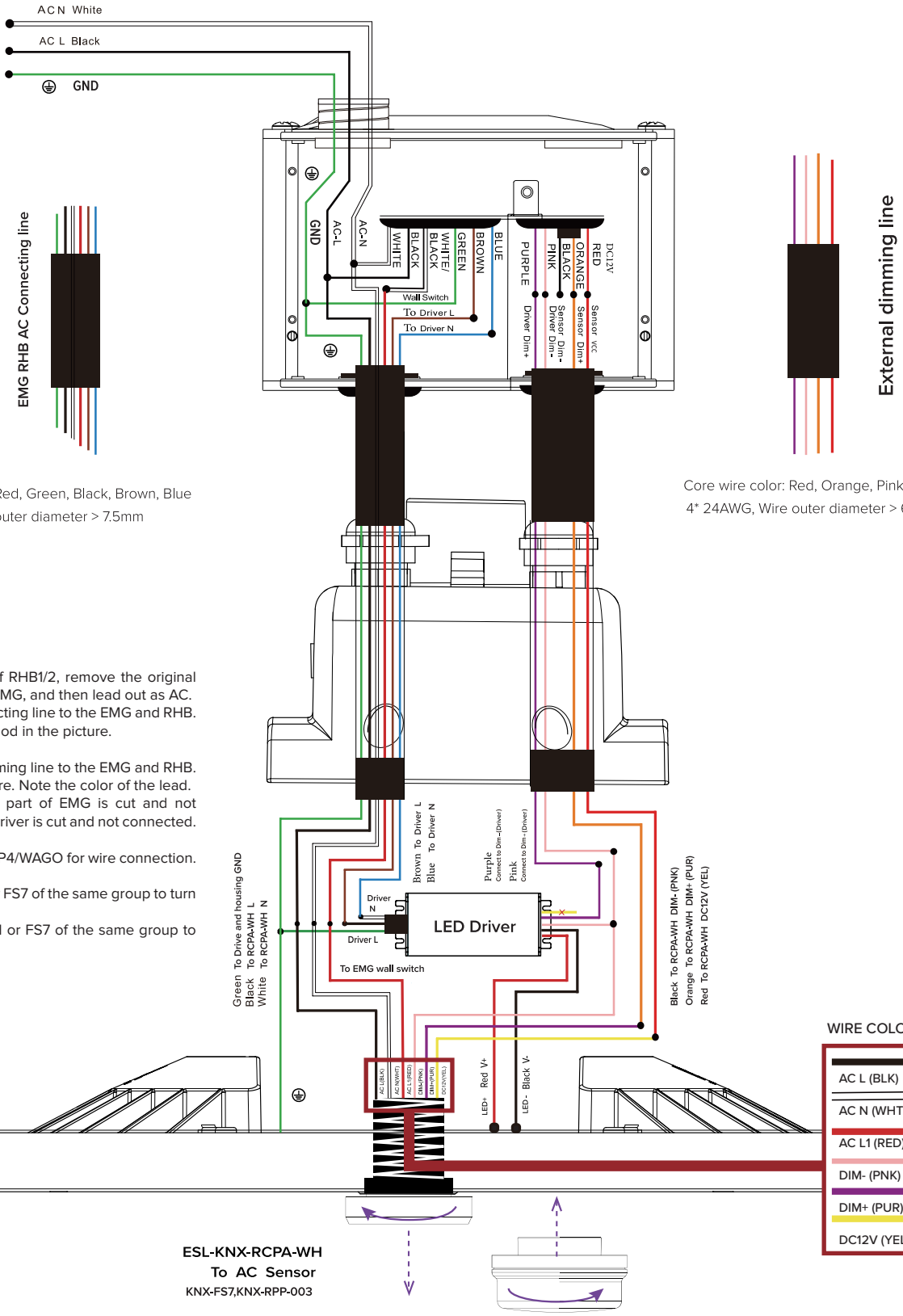
DC Sensor Installation



AC Sensor Installation



Installation with KONEX Sensor



Additional Materials:

1. EMG RHB AC Connecting line
1.1 Open the power supply cavity of RHB1/2, remove the original 5FT 3 core wire, install it inside the EMG, and then lead out as AC.
1.2 Connect an EMG RHB AC Connecting line to the EMG and RHB. For details, See the connection method in the picture.
2. External dimming line
2.1 Connect the 4-core External dimming line to the EMG and RHB. See the connection mode in the figure. Note the color of the lead.
2.2 The black wire of the Sensor part of EMG is cut and not connected. The yellow cable of the Driver is cut and not connected. Pay attention to insulation treatment.
3. Connecting terminal Add a part of P4/WAGO for wire connection.
4. Use of KNX/Sensor:
4.1 RPP-003: Use APP / 3BS-01WH or FS7 of the same group to turn off the luminaires
4.2 KNX-FS7 : Use APP / 3BS-01WH or FS7 of the same group to turn off the luminaires