ACE LED

ULTRA VALUE LIGHTING
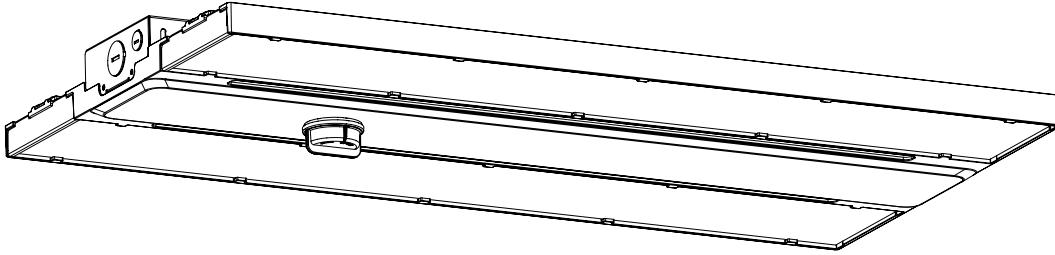
ACE LED HIGH BAY (AH2)

READ CAREFULLY BEFORE INSTALLING THE FIXTURE.

PLEASE KEEP THIS MANUAL FOR FUTURE USE.

Fixtures must be installed and wired in accordance with the National Electrical Code (NEC) and all applicable local codes by a person familiar with the construction and operation of the product and hazards involved.

Proper grounding is required for safety.

Check that voltage is compatible with fixture driver, use approved connectors for all electrical connections.

Be cautious of any sharp edges. Wear proper PPE (personal protected equipment) while handling.

Fixture not suitable for use in corrosive environments, and with thermal insulation.

Must use appropriate strain relief in accordance with local code when connecting power cord to junction box.

⚠ WARNING
Risk of Fire or Electric Shock

Risk of fire or electric shock. Make sure power is off at the circuit breaker before installing or maintaining the product.

To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.

Installation guide requires knowledge of luminaire electrical systems. If not qualified, do not attempt installation. Contact a qualified electrician.

Never perform maintenance or cleaning while fixture is energized. Disconnect power and allow fixture to cool off before maintaining.

⚠ MAINTENANCE CAUTION

Review the diagrams before beginning and make sure the fixture is grounded properly.

For lighting controls, use driver wiring diagram.

Maintenance must be done by qualified electricians.
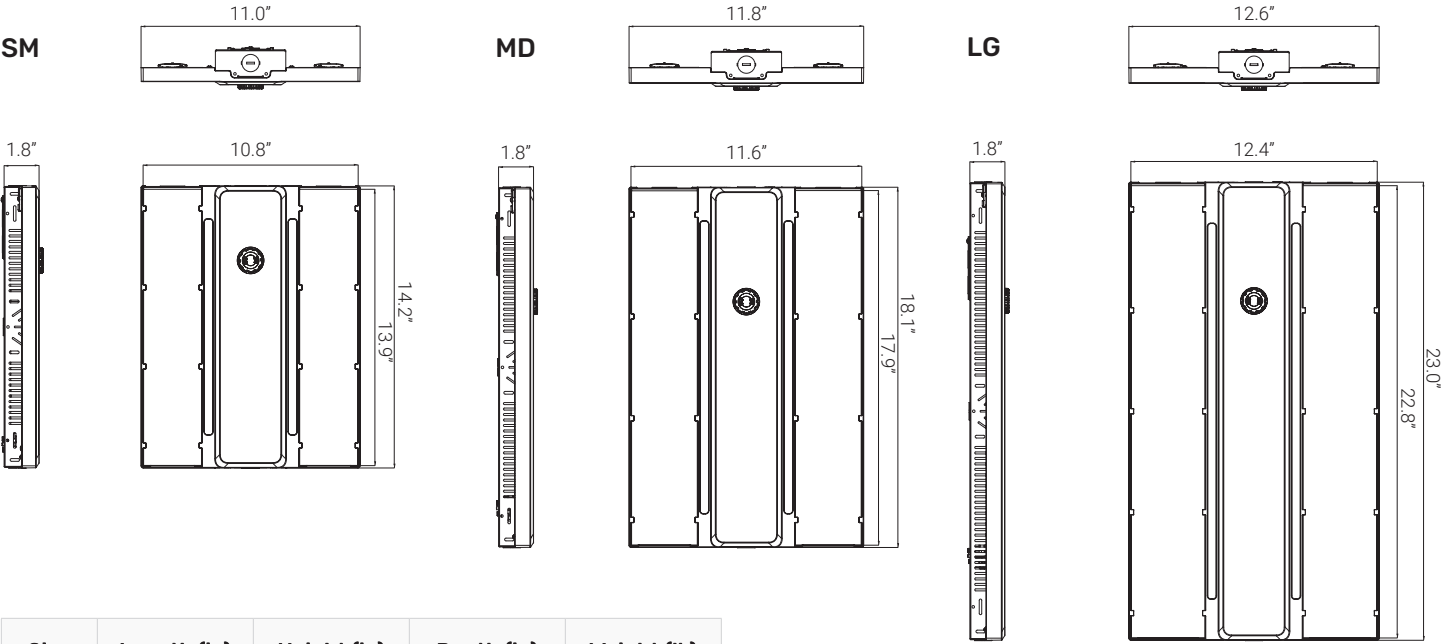
Use a clean, dry cloth to clean the fixture.

For any questions regarding wiring, installation, or use of this fixture, please call 559-485-6010 or email techsupport@linmoreled.com

TECHNICAL SPECS

Part No.	Nominal Lumens	Watts	Size	CCT	CRI	Lens	Input Voltage	PF	Dimmable
AH20S-A2-12K-SM-x-80-y-z-CRM-EZ10-10V	12,000	85	SM	x=50 5000K x=40 4000K	≥80	y=FR Frosted y=AL45 Aisle 45° y=AL65 Aisle 65° y=AL90 Aisle 90°	z=LV 120-277VAC z=HV 277-480VAC	≥0.9	0-10V
AH20S-A2-16K-SM-x-80-y-z-CRM-EZ10-10V	16,000	105	SM						
AH20S-A2-20K-SM-x-80-y-z-CRM-EZ10-10V	20,000	130	SM						
AH20S-A2-24K-MD-x-80-y-z-CRM-EZ10-10V	24,000	160	MD						
AH20S-A2-31K-MD-x-80-y-z-CRM-EZ10-10V	31,000	215	MD						
AH20S-A2-36K-LG-x-80-y-z-CRM-EZ10-10V	36,000	255	LG						
AH20S-A2-43K-LG-x-80-y-z-CRM-EZ10-10V	43,000	290	LG						
AH20S-A2-48K-LG-x-80-y-z-CRM-EZ10-10V	48,000	320	LG						

Ambient range operation: -40°C up to 55°C (-40°F up to 131°F).

Dimensions

SM 11.0" / 1.8" / 10.8" / 14.2" / 13.9"

MD 11.8" / 1.8" / 11.6" / 18.1" / 17.9"

LG 12.6" / 1.8" / 12.4" / 23.0" / 22.8"

Size	Length (in)	Height (in)	Depth (in)	Weight (lb)
SM	14.2	11.0	1.8	~ 4.5
MD	18.1	11.8	1.8	~ 6.0
LG	23.0	12.6	1.8	~ 8.5

Dimension tolerances: ± 0.1". Controls will add length. Weights are approximate, if weight is a concern, please contact factory.
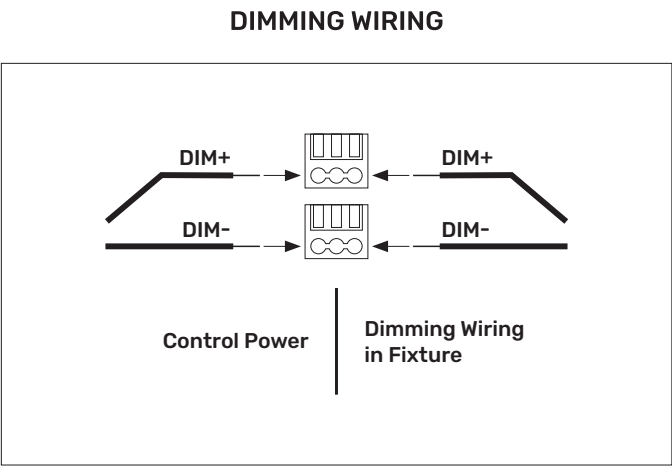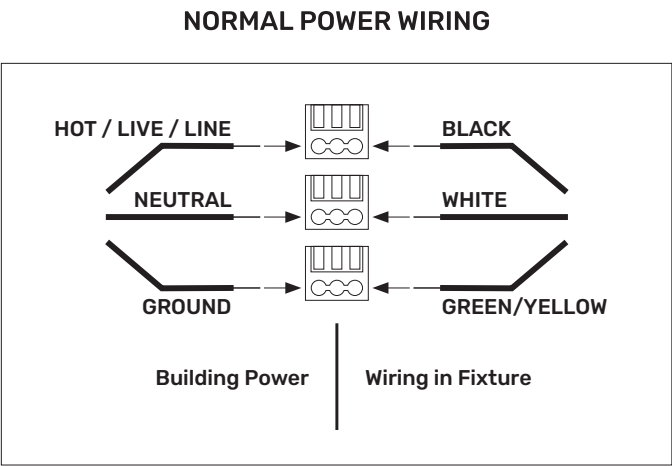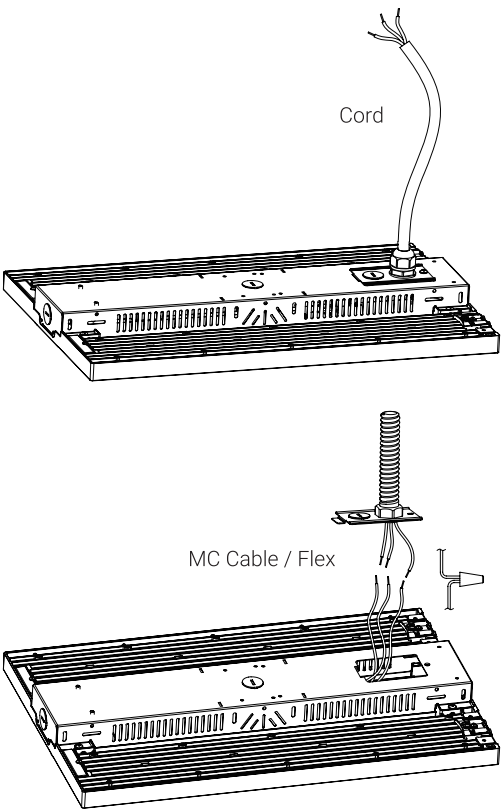
TECHNICAL SPECS

Cautions

Fixtures must be wired in accordance with the National Electrical Code (NEC) and all applicable local codes.

Make sure power is off at the circuit breaker before installation or maintenance.

Proper grounding is required to ensure safety.

Notes

Must use appropriate strain relief in accordance with local code when connecting power cord to junction box.

NORMAL POWER WIRING

HOT / LIVE / LINE → ← BLACK

NEUTRAL → ← WHITE

GROUND → ← GREEN/YELLOW

Building Power | Wiring in Fixture

DIMMING WIRING

DIM+ → ← DIM+

DIM- → ← DIM-

Control Power | Dimming Wiring in Fixture

Check the label in the fixture for DIM+ and DIM- wire color.

Cord

MC Cable / Flex

Recommended Dimmers (0-10V)

Brand	Model
Lutron	NTSTV -DV
Leviton	DS710-10Z / IP710
Legrand	RH4FBL3PW

⚠ The fixture can not be connected to an additional dimming device when equipped with a PIR occupancy sensor.
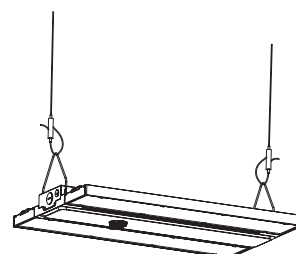
INSTALLATION GUIDE

Suspension Mounting

The fixture includes two 3 ft. chains and two V-clips.

1. Securely fasten the chain or cable to the ceiling / building infrastructure.

2. Securely fasten the chain or cable to the provided V-clips.

3. Adjust the length as needed.
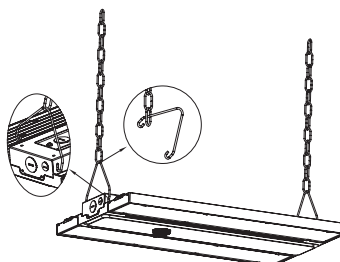
Chain
Included in the fixture

Cable
Sold separately as an accessory
(CABLEKIT2P, CABLEKIT15, or CABLEKIT20)

Pendant Mounting (Stem)

Requires bracket sold separately as an accessory (AH2-STEM).

1. Mount the bracket onto the 3/4" NPT.

2. Secure the fixture to the bracket.

3. Connect the wires according to local standards and codes.

4. Tighten the side brackets using a screwdriver.
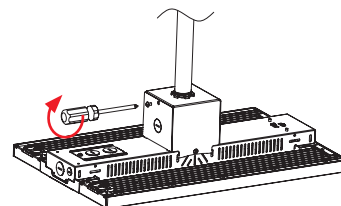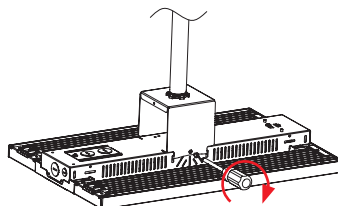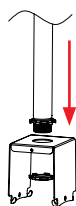
⚠ Pendant Mounting is not compatible with Emergency Battery Backup

Surface Mounting

Requires bracket sold separately as an accessory (AH2-SURF).

1. Mount the bracket on the rail or ceiling.

2. Assemble the fixture onto the bracket and secure it with screws.

3. Once mounted, choose an appropriate wiring knockout and connect the wires according to local standards and codes using a screwdriver.
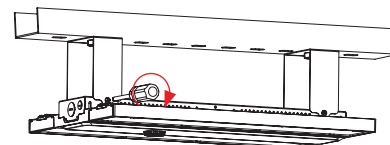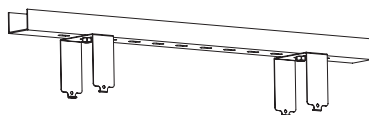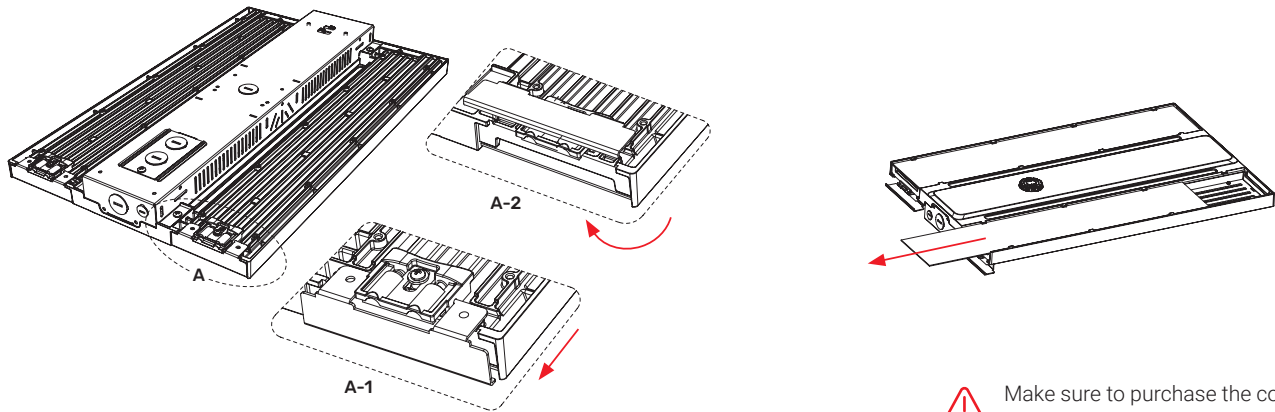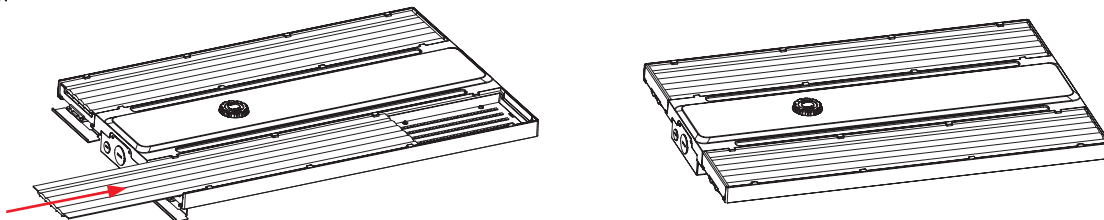
ACCESSORY INSTALLATION

Lens Replacement

The fixture comes with lenses pre-installed, but they can be easily swapped out in the field for different types (sold separately as an accessory).

1. Push the retaining clasp with your finger to release the lens retaining plate, then rotate it until it slots into the heatsink.
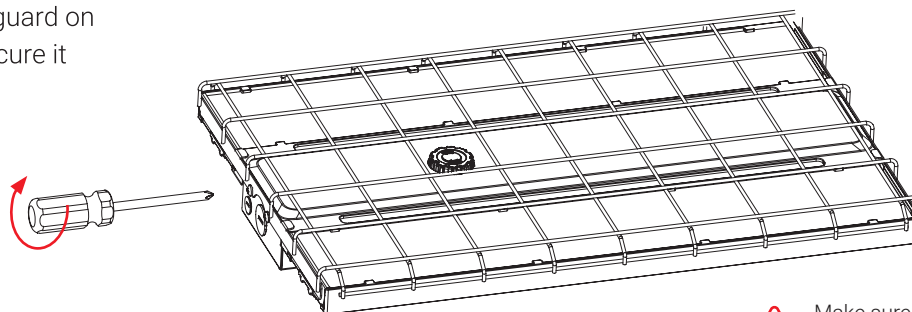
A

A-2

A-1

⚠ Make sure to purchase the correct lens size for the fixture.

2. Remove the lens from the fixture, replace it with a new lens, then close the lens retaining plate to complete the process.

Wire Guard Installation

Sold separately as an accessory.

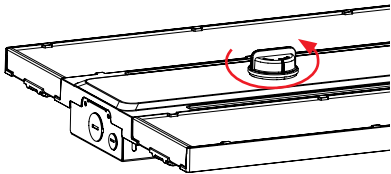1. Place the wire guard on the fixture and secure it with screws.

⚠ Make sure to purchase the correct wire guard size for the fixture.
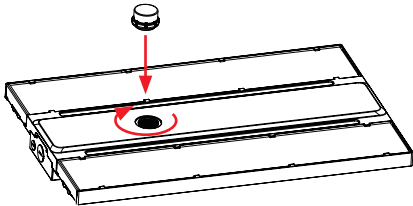
ACCESSORY INSTALLATION

Lighting Controls
Sold as an accessory in a separate box.

|		
1. Remove the cover from the EZ-Connect™ Receptacle.	2. Rotate the EZ10 accessory clockwise into the receptacle, ensuring a secure connection. Do not over tighten.	3. Set programming using remote control.

⚠ The fixture can not be connected to an additional dimming device when equipped with a PIR occupancy sensor.


DEFAULT SETTINGS
For PIR and MW Sensors: Sensitivity=100%, Hold time=5min, Daylight sensor=disabled, Stand-by dim level=30%, Stand-by time=60min.
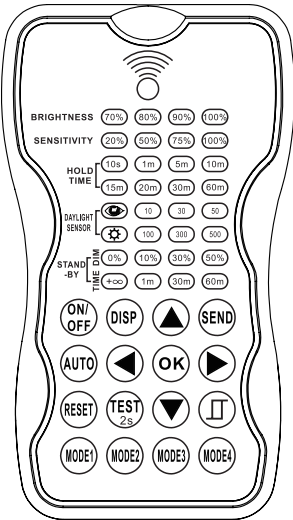
INFRARED REMOTE PROGRAMMER
Required to change default settings, modes of operation, and sensitivity.

Brightness	Light output during occupancy (70%, 80%, 90%, 100%).		**Daylight harvesting function.** Selects the current surrounding lux value as the daylight threshold.
Sensitivity	Detection area of the sensor (20%, 50%, 75%, 100%).		**Daylight sensor disabled.** All motion detected turns on the light, no matter how bright the natural light is.
Hold Time	Time the sensor waits to turn off or dim the light after the area is vacated.	**Stand-by Dim**	Light output during vacancy (0%, 10%, 30%, 50%).
Daylight Sensor	Daylight sensor status and daylight threshold values in lux.	**Stand-by Time**	Time the sensor keeps the light at stand-by dim level after the hold time has ellapsed.

Scene Modes
The remote comes with four pre-programmed modes. These can be used as is, or adjusted with different parameters and saved over an existing mode.

Scene	Application	Brightness	Sensitivity	Hold Time	Stand-by Dim	Stand-by Time	Daylight Sensor
MODE 1	Indoor	100%	75%	5min	30%	30min	Disabled
MODE 2	Indoor	100%	75%	1min	30%	+∞	Disabled
MODE 3	Indoor	100%	75%	5min	30%	30min	30lux
MODE 4	Outdoor	100%	75%	1min	30%	+∞	30lux/300lux

ACCESSORY INSTALLATION

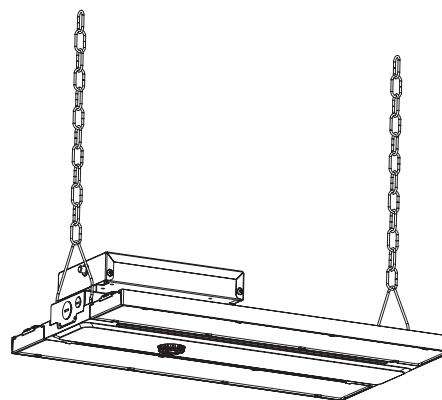## LOW VOLTAGE Emergency Battery Backup Installation

Sold as an accessory in a separate box.

1. Remove fixture junction box cover.

2. Attach Emergency Battery Backup to the fixture using supplied screws.

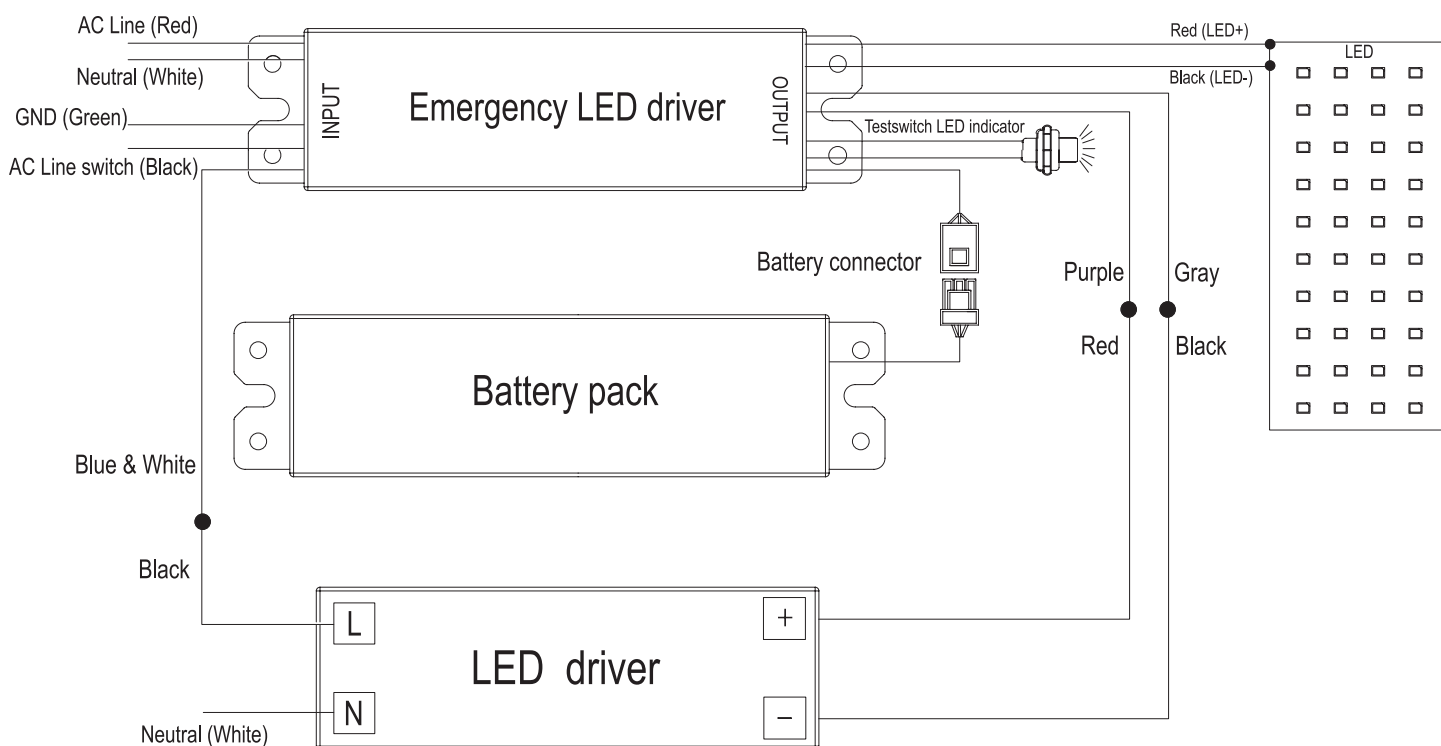3. Remove Emergency Battery Backup cover with screwdriver.
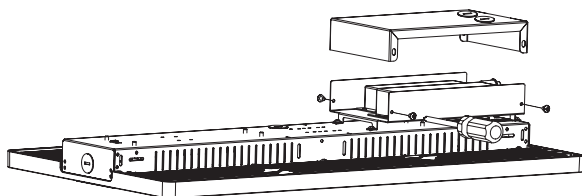
4. Connect line voltage and battery backup as per wiring diagram.

5. Reattach Emergency Battery Backup cover.

Wiring Diagram

AC Line (Red)

Neutral (White)

GND (Green)

AC Line switch (Black)

INPUT

Emergency LED driver

OUTPUT

Red (LED+)

LED

Black (LED-)

Testswitch LED indicator

Battery connector

Purple

Gray

Red

Black

Battery pack

Blue & White

Black

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N
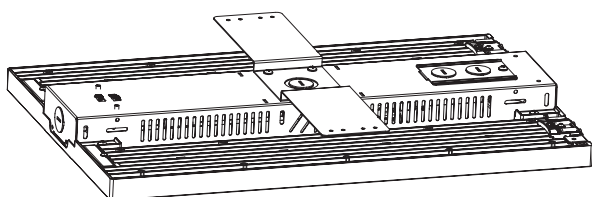
LED driver

+

−

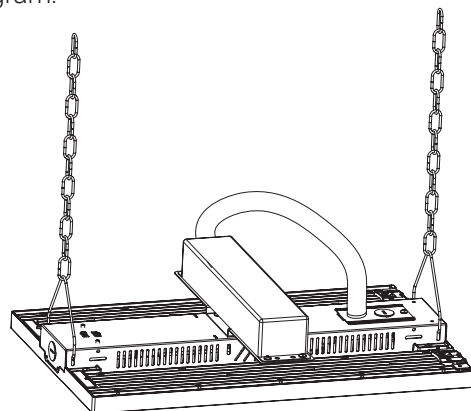Neutral (White)

ACCESSORY INSTALLATION

HIGH VOLTAGE Emergency Battery Backup Installation
Sold as an accessory in a separate box.

1. Assemble the corresponding bracket onto the back of the fixture.

2. Assemble the emergency power supply to the bracket, and then connect according to the wiring diagram.

Wiring Diagram