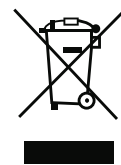
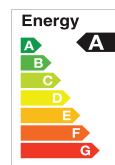
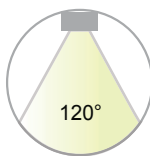


LED VAPOR Light

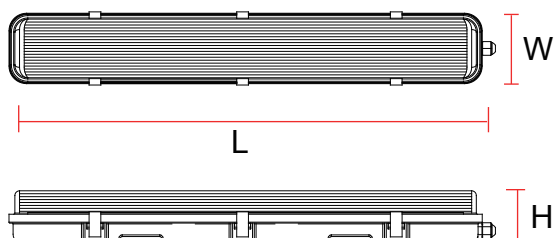


RoHS

Features & Benefits

1. 120lm/w for options.
2. IP Rating : IP65.
3. 0-10v dimming, universal voltage: 100-277v.
4. Available with suspending installation and surface- mounted installation.
5. Wide application for: school, hospital, super market, office and warehouse.
6. 2ft,4ft and 8ft dimensions for variety choices.
7. 5-year warranty.

Product Dimension

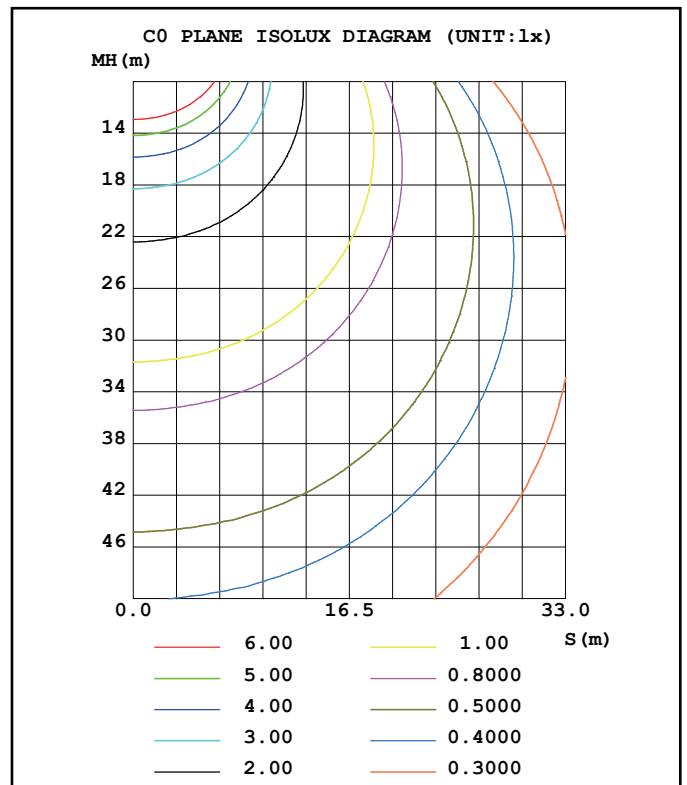
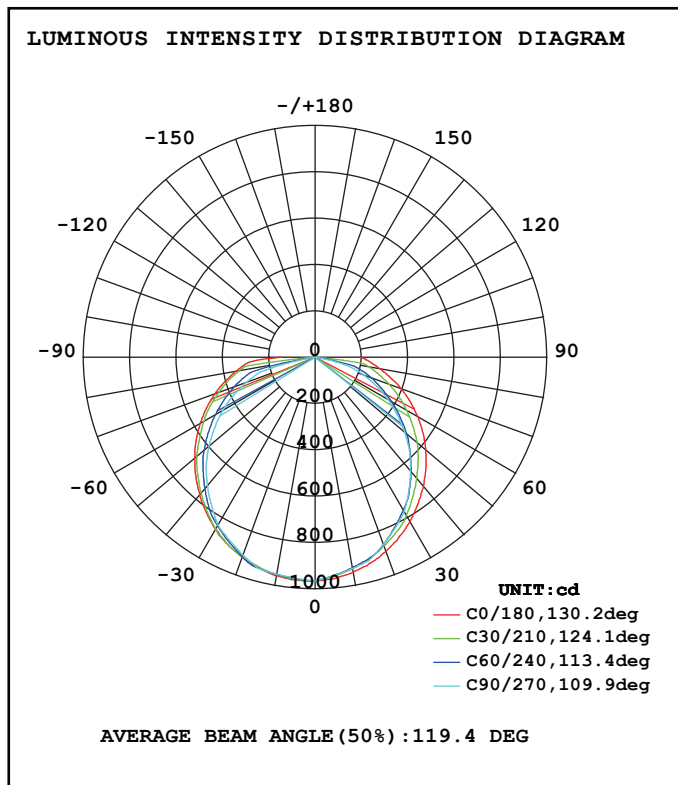


| Model | L×W×H |
|------------------------|--------------------------------------|
| C2103-252F | 600x110x88 (mm)/ 23.6"x4.33"x3.46" |
| C2103-504F | 1200x110x88 (mm)/ 59.06"x3.86"x3.46" |
| C2103-804F/C2103-1008F | 2385x110x88 (mm)/ 93.9"x3.86"x3.46" |

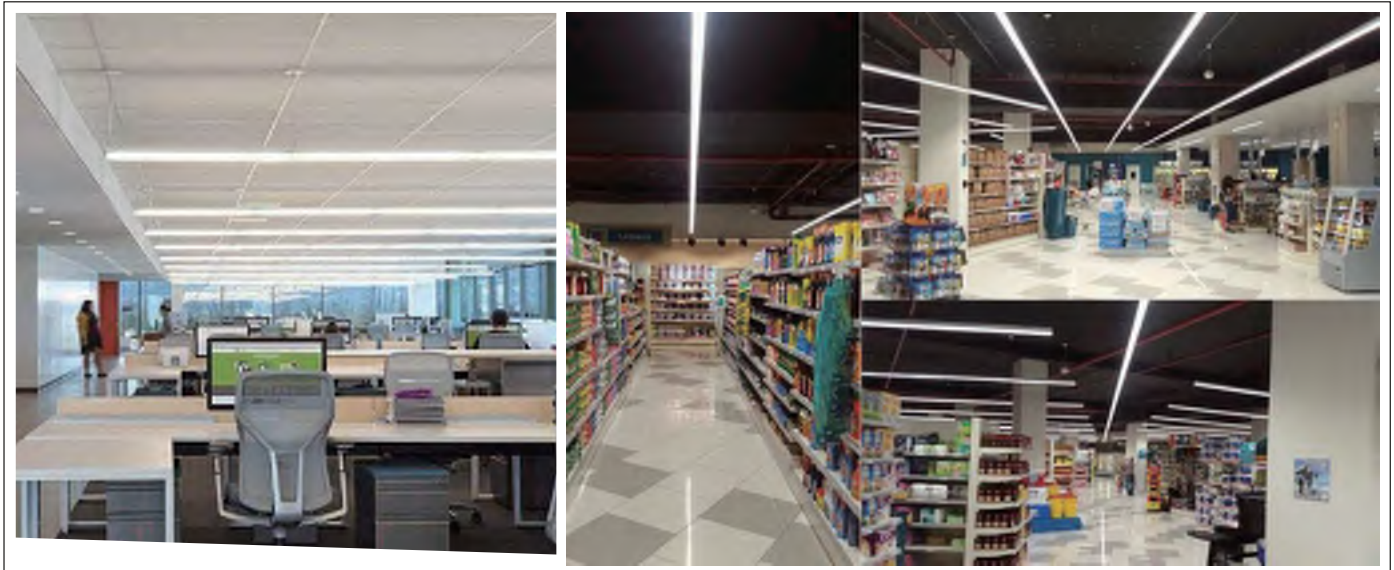
Specification

| Part No. | Power | Input Voltage | LuminousFlux | Luminous Efficacy | CCT | Viewing Angle | Ra | PF | Warranty |
|-------------|-------|---------------|--------------|-------------------|-------------------------|---------------|-----|------|----------|
| C2103-252F | 15W | AC100-277V | 1800lm | 120lm/W | 3500K 4000K 5000K | 120° | >80 | >0.9 | 5Years |
| | 20W | | 2400lm | | | | | | |
| | 25W | | 3000lm | | | | | | |
| C2103-504F | 30W | | 3600lm | | | | | | |
| | 40W | | 4800lm | | | | | | |
| | 50W | | 6000lm | | | | | | |
| C2103-804F | 60W | | 7200lm | | | | | | |
| | 70W | | 8400lm | | | | | | |
| | 80W | | 9600lm | | | | | | |
| C2103-1008F | 80W | | 9600lm | | | | | | |
| | 90W | 10800lm | | | | | | | |
| | 100W | 12000lm | | | | | | | |

Testing Report



Applications

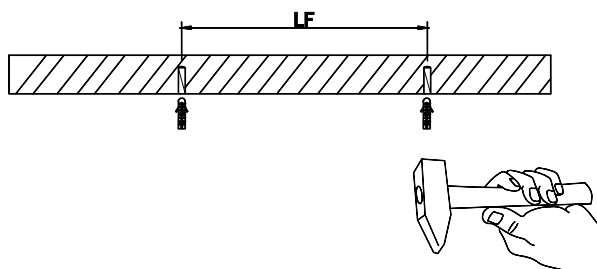


Lighting for the future

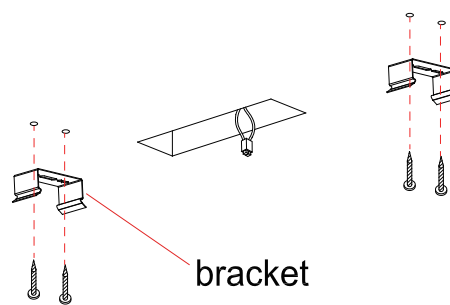
Installation manual

A.Surface-mounted installation

Step1. Punch a hole on the wall and put the expansion tube inside.

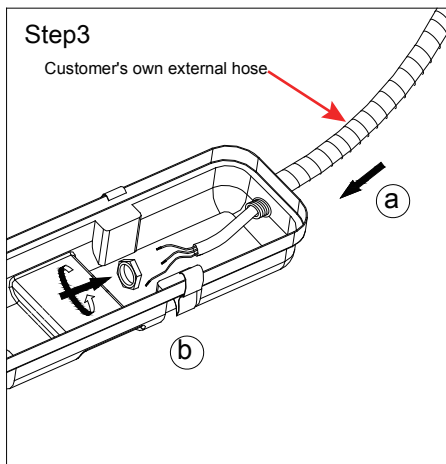


Step2. fix the buckles in parallel by screws with distance

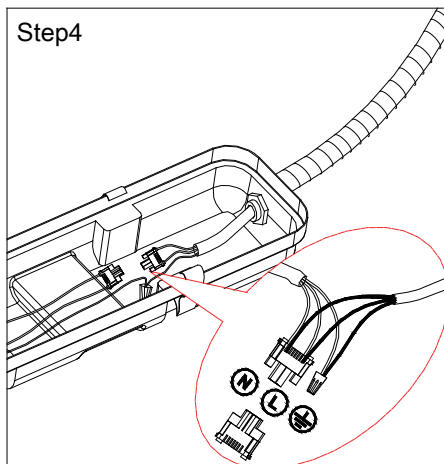


Step3

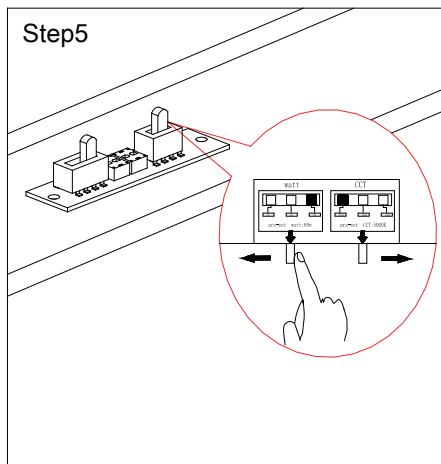
Customer's own external hose



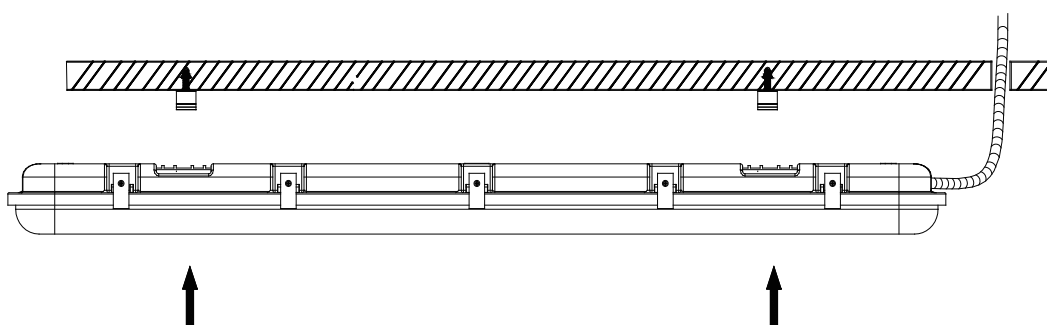
Step4



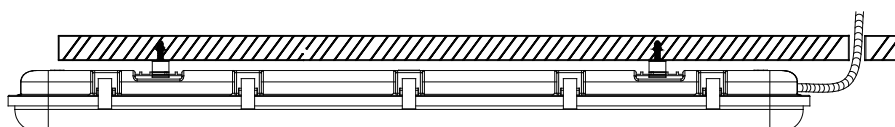
Step5



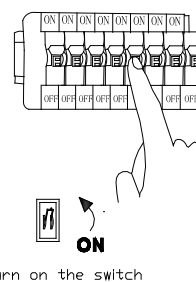
Step6



Step7

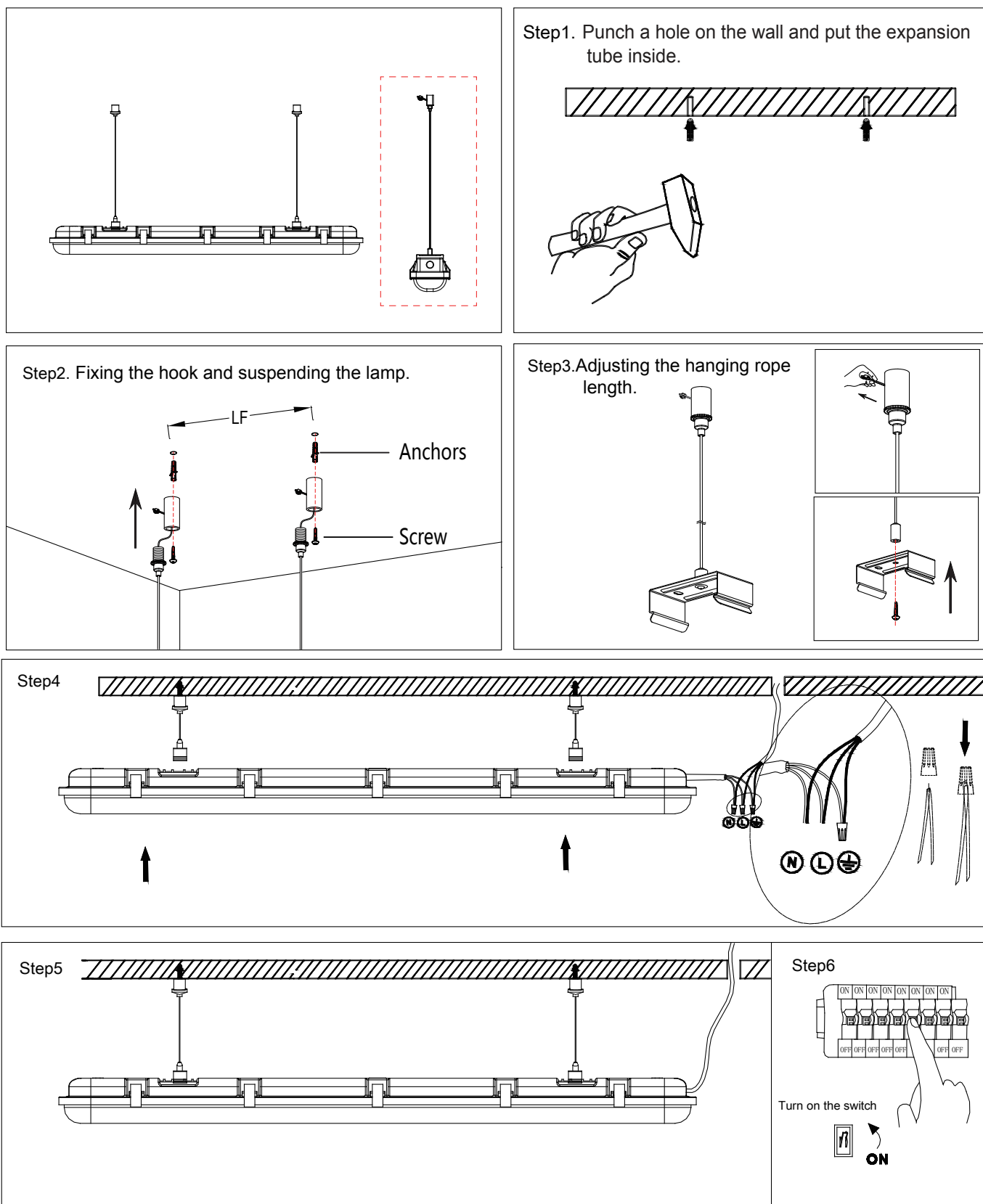


Step8



Turn on the switch

B.Suspending installation



Important

Read this instruction carefully before installation. Keep it for further reference.

Make electrical and grounded connections in accordance with the national electrical code and any applicable code. Always turn off the power supply before installation.

This product must be installed in accordance with the applicable installation code by a qualified electrician who is familiar with the construction and operation of the product and the hazards involved.

WARNING:

⚠ Risk of fire or electric shock. Fixture installation requires knowledge of luminaires electrical systems. If not qualified, DO NOT attempt installation. Contact a qualified electrician.

⚠ Risk of fire or electric shock. Suitable for wet locations. Always turn off the power supply before installation.

⚠ Risk of fire or electric shock. Suitable for non-insulated surface and frame. DO NOT cover fixture with insulation liner or similar material.

⚠ DO NOT install fixture on unstable, loose or easily breakable surface.

⚠ DO NOT exert force on the surface of the fixture.

Packing /weight

| Size | Outer box (L*W*H) | Qty/Ctn (pcs) | N.W/pcs (lbs/Kg) | G.W/Ctn (lbs/Kg) |
|--------------------------|---------------------------------------|------------------|---------------------|---------------------|
| C2103-252F | 25.79"x12"x9.84" 655*305*250 mm | 6 | 2.9/1.3 | 18.7/8.5 |
| C2103-504F C2103-804F | 49.4"x12"x9.84" 1255*305*250 mm | 6 | 4.75/2.16 | 26.4/14.6 |
| C2103-1008F | 96.26"x8.27"x9.84" 2445*210*250 mm | 4 | 9.02/4.1 | 42.68/19.4 |

Note

- 1.The installation and maintenance must be completed by electricians or professionals.
- 2.Please cut off the power before installation and maintenance.
- 3.The thermally insulating material is not allowed to cover the fixture.
- 4.Please keep away from the corrosive substance, and keep the fixture dry and clean.
- 5.Working temperature: -4°F~113°F, storage temperature: -22°F~140°F.

Project Name: _____ Catalog Number: _____

Notes: _____ Fixture schedule: _____

Cold Temperature Mini Wall Pack With Emergency Battery



E2-DECO1-ACEM-DB



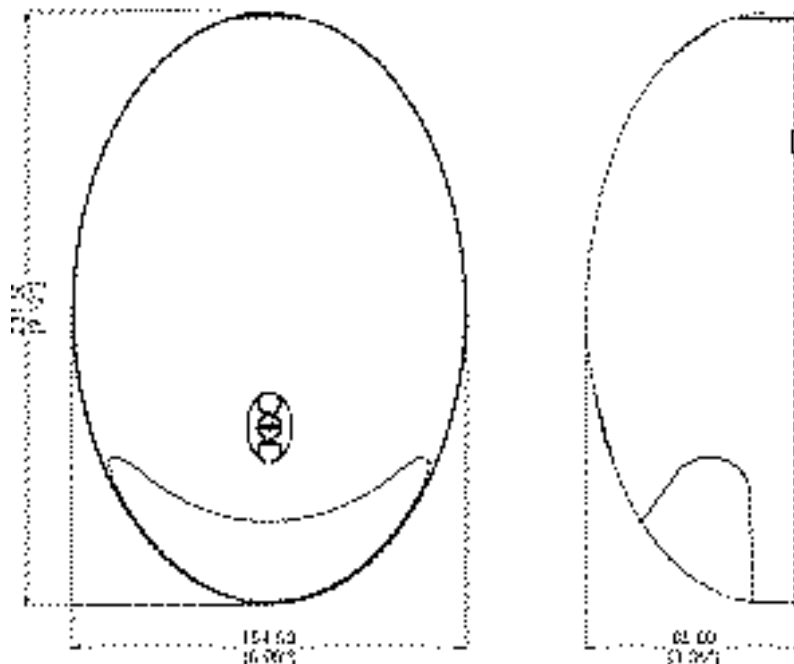
Product Description:

Power consumption Standby 11W, Max. 15W at battery charge and heater work, Charge / discharge time 24 hours charge, 90 Minutes Min. discharge
Battery 6.4V 1500mAh 18650 type LiFePO4 battery.

Features

- 4W Emergency Battery Backup for 90 mins
- 12W Mini Wall Pack with Photocell
- Emergency test facility Self-Test and Self-Diagnostic
- Housing material Die casting with long lasting UV resistant powder painted
- Ingress Protection IP65, Suitable for wet location
- IK Rating Ik10
- Ambient temperature range -30°C to 50°C
- Certification UL/CUL listed

Dimensions



Design Advantages

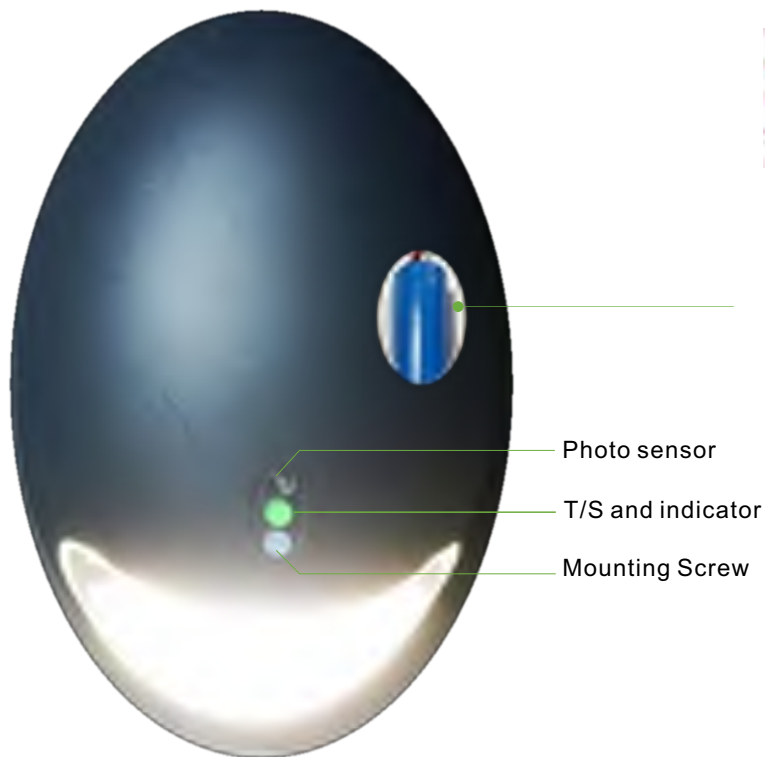
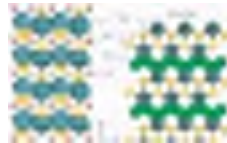


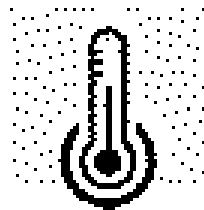
Photo sensor

T/S and indicator

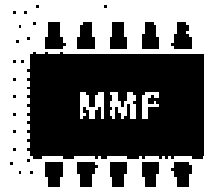
Mounting Screw



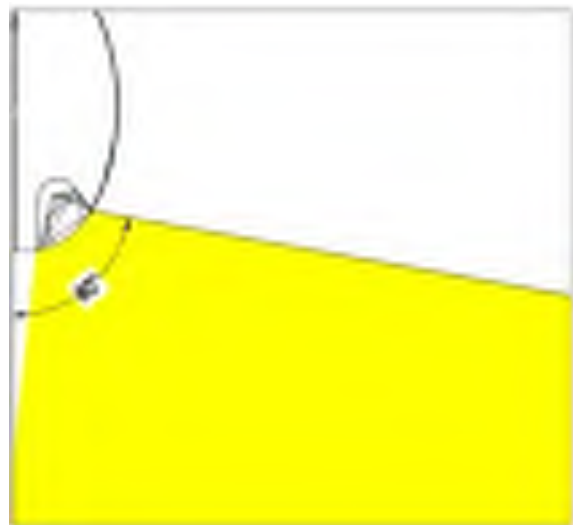
Long Life
LiFePO4 Battery



Smart Battery
Temperature Control



Professional Battery
Management System



Main Advantages:

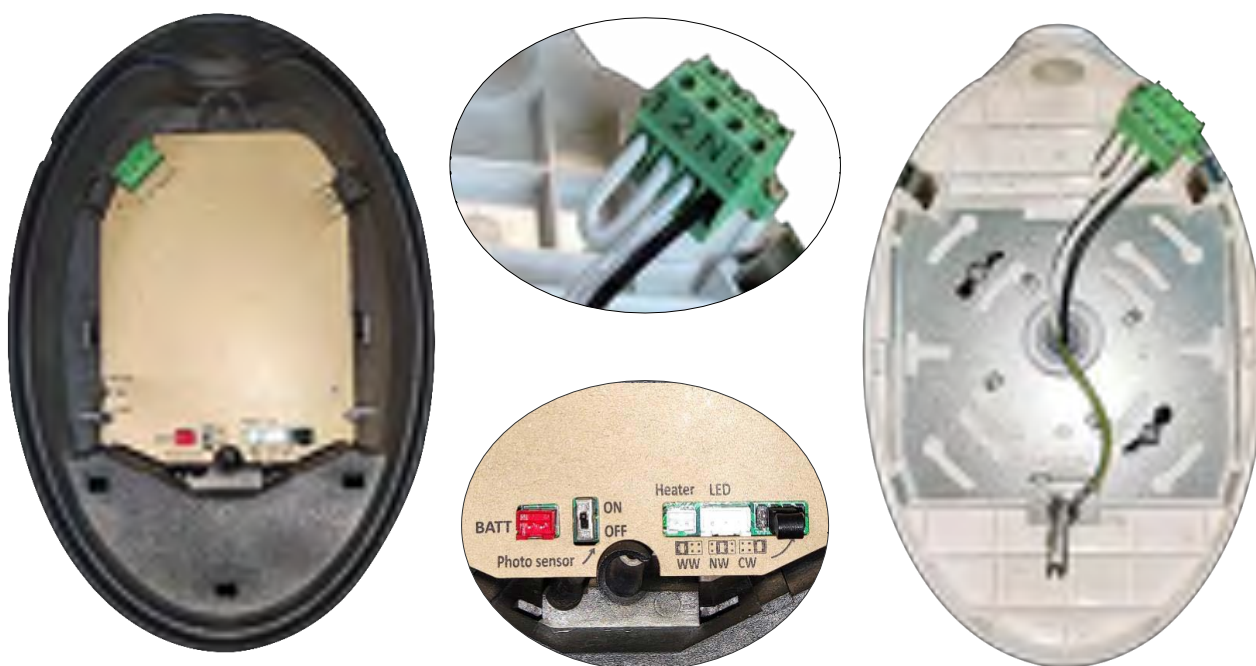
- Vandal resistant fixing design, can be applicable in harsh outdoor conditions
- Operation temperature $-30^{\circ}\text{C} \sim 50^{\circ}\text{C}$
- Three CCT built-in (WW, NW and CW), color selectable in field installation
- Full cutoff distributing light design, minimizes light pollution contributing to sky
- The latest chip scale packing LED technology, lower thermal resistance
- Deploy rubber cable gland to obtain better waterproof during wiring
- Self Testing & Self diagnostic help more convenient installation and maintenance

Specifications Model: E2-DECO1-ACEM-DB

| | |
|---------------------------|--|
| Normal Supply | 120-277V 60Hz |
| Power consumption | Standby 11W, Max.15W at battery charge and heater work |
| Charge / discharge time | 24 hours charge, 90 Minutes Min. discharge |
| Battery | 6.4V 1500mAh 18650type LiFePO4 battery |
| Emergency test facility | Self-Test and Self-Diagnostic |
| Operation | ACEM(general lighting with photo sensor and emergency battery |
| Mounting | Wall mount with back power lead or conduit power lead |
| LED source | CRI 80+, CCT 3000K/4000/5000K 5SDCM |
| Normal flux | 1250lm@4000k AC mode, 400lm@4000k emergency mode |
| Housing material | Die casting with long lasting UV resistant powder painted |
| Ingress Protection | IP65, Suitable for wet location |
| IK Rating | Ik10 |
| Ambient temperature range | |
| Certification | UL/CUL listed |
| LED CCT | 3000K 4000K 5000K * Field Installations selectable |
| Operation | -ACEM: General lighting with photo sensor and emergency battery backup |
| Em duration | 1.5Hours (Min.) |
| Test Facility (for EM) | Blank: Self-Test and Self-Diagnostic for ACEM |
| Housing Color | DB: Dark Bronze WH: White |

Function

1. For photo sensor mode ,when ambient luminance < 10 Lux, fixture will turn on automatically. when ambient luminance >30 Lux, fixture will turn off.
2. For wall switch mode, make a wall switch between 1 and 2 .
3. Remove the jumper cable change to emergency standby (Non-maintain) function.
4. Factory default setting color temperature is neutral white, change the jumper cap to obtain different CCT.

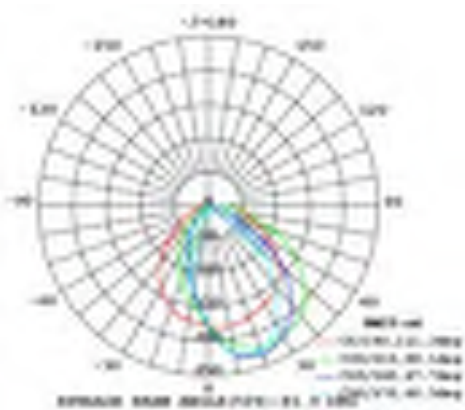


Multiple Unit Coverage

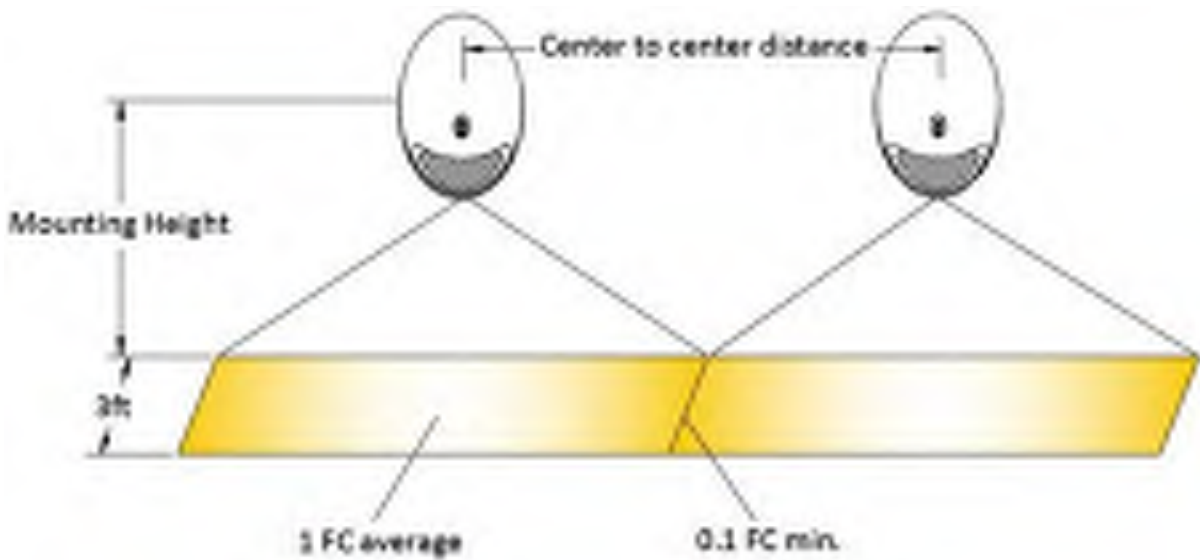
Luminous Intensity Distribution

Luminous flux (Luminaire): 417
lmLuminous flux (Lamps): 417
lmLuminaire Wattage:0.0 W
Luminaire classification according to CIE100
CIE fux code:54 82 95 100 100
Fitting:1 x DECO1-ACEM (CorectionFactor 1.000)

See our luminaire catalog for an image of the luminaire.



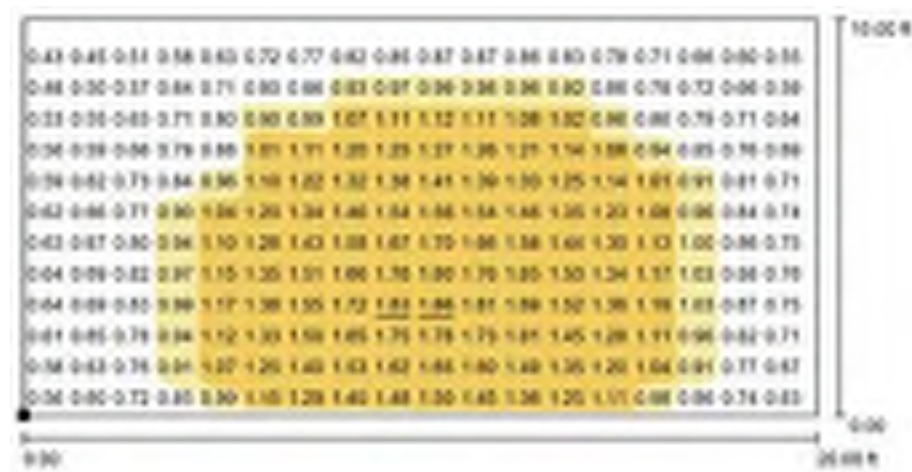
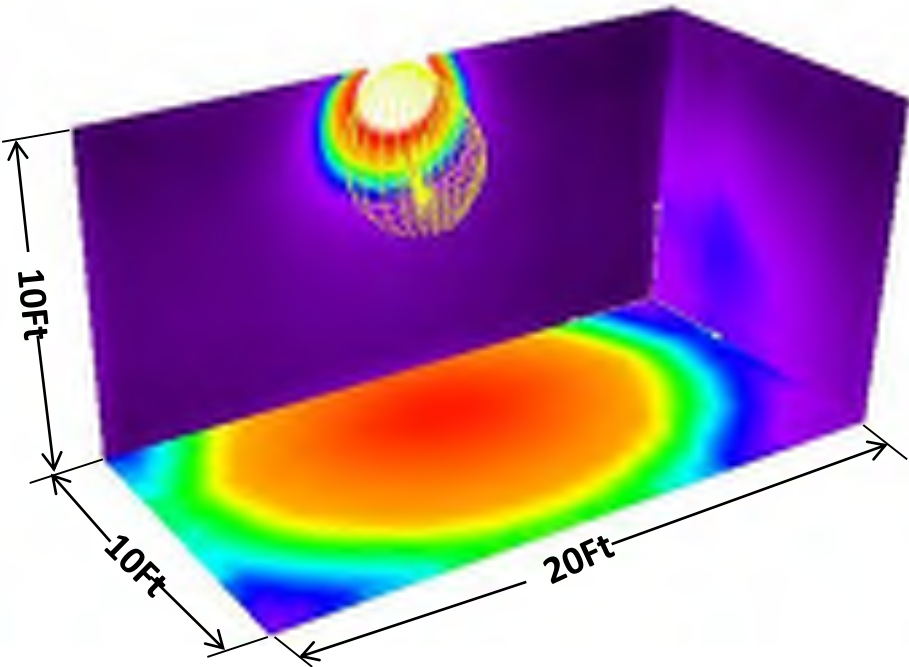
Center to Center Spacing Distance



NFPA 101 requires 1.0 foot-candle average and 0.1 foot-candle minimum with a 40:1 maximum/minimum ratio. The corridor used is 80 feet long, 9 feet ceiling with a 6 feet wide walkway and 6&3 feet path of egress. The reflectance are 80% ceiling, 50% walls and 20% floors. The fixture mounting height is 7.5 feet.

| No. | Model | Lumen Output | Spacing Distance @ Mounting Height - 7.5 Ft | Spacing Distance @ Mounting Height - 10 Ft |
|-----|------------------|--------------|---|--|
| 1 | E2-DECO1-ACEM-DB | 400 lm | 45 feet | 40 feet |

Single Unit for Door Forward Performance



Values in FootCandles, Scale 1 : 64

Not all calculated values could be displayed.

Position of surface in room:
Marked point: (0.000 ft, 0.000 ft, 0.000 ft)



Grid: 128 x 64 Points

| | | | | |
|----------------|----------------|----------------|-------|---------------------|
| $E_{min} [fc]$ | $E_{max} [fc]$ | $E_{avg} [fc]$ | u_0 | E_{min} / E_{max} |
| 1.02 | 8.29 | 1.87 | 0.206 | 0.211 |

Sensor Based LED TROFFER LIGHT

Wattages: 20W,25W,30W,34W,38W,45W



The Sensor Based LED Troffer Lighting Series can be widely used for Indoor Excellent for Offices, Hallways, Multipurpose Rooms , Office Buildings, Conference Rooms,super market, store and many other applications.

Lighting controls meet design lights consortium (DLC) networked lighting control system technical requirements, LLLC, Energy Monitoring and High End Trim function.



Features:

- Energy efficient: save up to 80% in energy costs
- High lumen output
- Mercury-free
- Instant-on light
- 50,000 hours at 70% lumen maintenance rated life
- 5 years manufacturer warranty
- Compatible with most Lutron and Leviton dimmers
- 12Vdc auxiliary dimming
- The 0-10V Dimming type is continuous

Packaging information:

❖**E2-TRF-1X4-20/25/30W-35/45K-G2:**
1230MMX307MMX113MM(2Pcs/CTN)(48.4" X12.1" X4.4")

❖**E2-TRF-2X2-20/25/30W-35/45K-G2:**
617MMX610MMX123MM(2Pcs/CTN)(24.3" X24.0" X4.8")

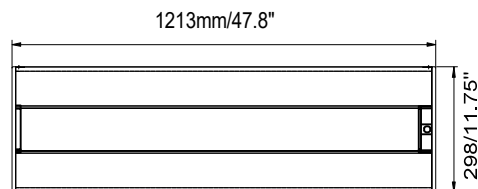
❖**E2-TRF-2X4-34/38/45W-35/45K-G2:**
1227MMX610MMX123MM(2Pcs/CTN)(48.3" X24.0" X4.8")

| SPECIFICATION | | | |
|---------------------|--------------------------------|--------------------------------|--------------------------------|
| TYPE | E2-TRF-1X4-20/25/30W-35/45K-G2 | E2-TRF-2X2-20/25/30W-35/45K-G2 | E2-TRF-2X4-34/38/45W-35/45K-G2 |
| WATTAGE | 20W/25W/30W | 20W/25W/30W | 34W/38W/45W |
| LUMEN | 2500 lm/3225 lm/3950lm | 2570 lm/3125 lm/3850lm | 4250 lm/4758 lm/5715lm |
| 15W EMERGENCY LUMEN | 1725lm (WSD-EMLY15W27-XX) | | |
| EFFICACY | > 125 lm/W | | |
| CCT | 3500K,4000K,5000K | | |
| CRI | > 80 | | |
| INPUT VOLTAGE | AC120-277V | | |
| FACTORY SETTINGS | 30W & 4000K | | 45W & 4000K |
| LIGHTING ANGLE | 119° | | |
| LED TYPE | SMD2835 | | |
| PF | > 0.98 | | |
| DRIVER EFFICIENCY | > 90% | | |
| PROTECTION LEVEL | Damp | | |
| LIFE TIME | > 75000 hours | | |
| IC RATING | Type IC | | |
| WARRANTY | 5 year limited | | |

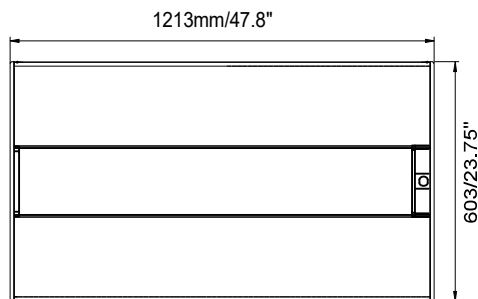
Sensor Based LED TROFFER LIGHT

Wattages: 20W,25W,30W,34W,38W,45W

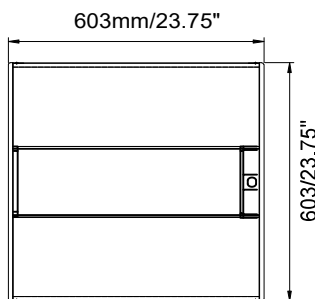
DIMENSION:



1X4 feet



2X4 feet



2X2 feet

Specifications:

Troffer-14/22/24

Length: 1213MM/603MM/1213MM
(47.8"/23.75"/47.8")

Width: 298MM/603MM/603MM
(11.75"/23.75"/23.75")

Depth: 50MM/54MM/54MM (2.0"/2.13"/2.13")

Weight: 7.7/6.8/11.4(lbs)

Mounting:

- ❖ Embedded installation.

CONTROL MODULE:



**WATT/CCT
SELECTABLE**



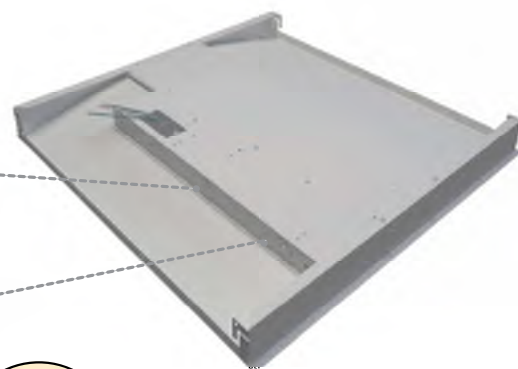
Selectable CCT

Three position sliding switch
3500K / 4000K / 5000K



Selectable Power

Three position sliding switch
20W / 25W / 30W
34W / 38W / 45W



Multiple sensor solutions ready

- Quick and easy in-field installation of sensors.

- Integrated occupancy and daylight controls.



Receptacle
cover

The sensor receptacle is pre-embedded in the profile frame.

Sensor Based LED TROFFER LIGHT

Wattages: 20W,25W,30W,34W,38W,45W

ACCESSORIES: (SOLD SEPARATELY)



E2-EMLY15W27-XX
15W Emergency Backup
Battery LED Driver

6FTPRWG-3/8-3PIN
6FTPRWG-3/8-5PIN
6FTPRWG-3/8-6PIN
6FT 3/8 inch Metal Flexible Conduit

CONTROL (SOLD SEPARATELY)



ANT-1P-4T-BLE-SR
PIR Bluetooth
Microwave Sensor
For Silvar Systems

ANT-1P-4T
Bi-Level PIR
Infrared Sensor

RC100(With ANT-1P-4T use)
Remote Controller

ACCESSORIES: (ACCESSORIES NEED TO PURCHASED SEPARATELY)



E2-TF14FRAME-W
2X2 feet SURFACE MOUNT KIT

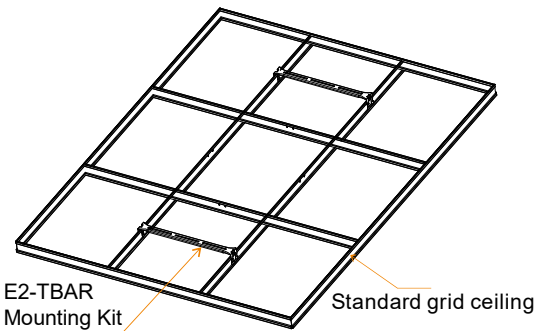
E2-TF22FRAME-W
2X4 feet SURFACE MOUNT KIT

E2-TF24FRAME-W
1X4 feet SURFACE MOUNT KIT

WSD-TBAR Mounting Kit(SOLD SEPARATELY)



E2-TBAR
Emergency Backup
Battery LED Driver Mounting
Kit



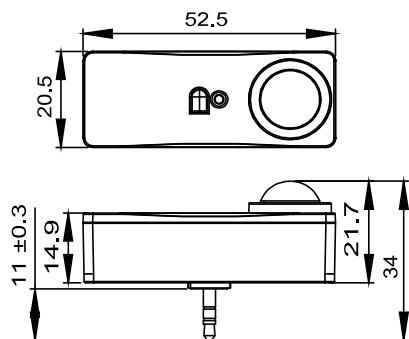
E2-TBAR Mounting Kit for Emergency LED Driver When emergency led drivers can not be installed on the LED lights such as LED downlights, LED panel lights&LED troffer. We can install the emergency led drivers on the E2-TBARs and E2-TBARs are installed on the grid ceiling.

Sensor Based LED TROFFER LIGHT

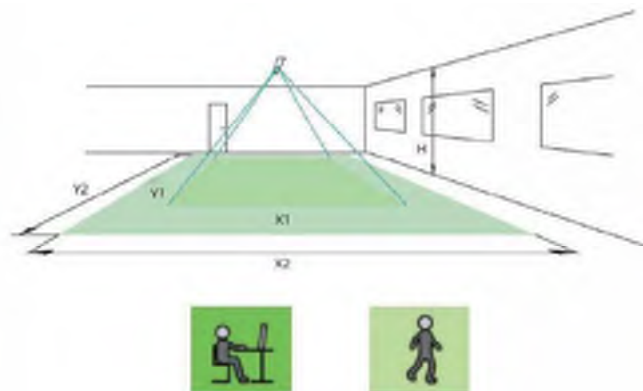
Wattages: 20W,25W,30W,34W,38W,45W



DIMENSION



COVERAGE



| Height H | Minor Movement | | Major Movement | |
|-------------|----------------|----------|----------------|----------|
| | Y1 | X1 | Y2 | X2 |
| 8'/2.4m | 10'/2.9m | 9'/2.7m | 15'/4.5m | 9'/2.9m |
| 10'/3m | 12'/3.6m | 11'/3.4m | 18'/5.4m | 12'/3.6m |

Note: Longer dimension of detection area (Y1, Y2) is parallel to longer dimension.

ANT-1P-4T-BLE-SR

Plug and Play Network BLE Nodes and Sensor

The ANT-1P-4T-BLE-SR uses PIR motion detector architecture and passive infrared (PIR) technology for improved detection coverage for high bay applications.

FEATURES

- Bluetooth to 0-10V signal converter, Bluetooth mesh network.
- Built-in 20mA 0-10V signal output.
- Mesh network, which has a much longer control distance, transmits received signals to neighboring devices.
- All devices on 0-10V line are broadcast controlled by mobile application
- In typical outdoor environment, the typical range for wireless communication is 60m.
- Actual range is dependent on field installation.
- Available with Magnetic reset (Touch the top part of sensor for 5 seconds).
- On-board antenna.

SPECIFICATION

| | |
|-------------------------|-------------------------|
| NETWORK BLE MESH | Yes |
| DAYLIGHT HARVESTING | Yes |
| MICROWAVE MOTION SENSOR | Yes |
| MOTION SENSOR | Passive infrared sensor |
| OPERATING VOLTAGE | 10-14V DC |
| OPERATING CURRENT | >50mA |
| SINKING CURRENT | max. 25mA |
| CONTROL OUTPUT | 0-10V |
| RADIO FREQUENCY | 2.4GHz ± 75MHz |
| DETECTION ANGLE | 360 ° |
| PROGRAMMING | Silvair iOS App (IOS) |
| CYBERSECURITY | UL |
| MOUNTING HEIGHT | 12ft Max. |
| MAX BLUETOOTH RANGE | 200ft |
| SAFETY | cULus Listed |
| FCC | FCC |
| OPERATING TEMP. | -20°C - +60°C |
| IP RATING | IP20 |
| WARRANTY | 5 year limited |

COMMISSIONING

Silvair iOS App makes it easy to pair devices, create groups, set scenes/schedules, customize dimming levels, and adjust high trim based on application needs.

Silvair App



iOS

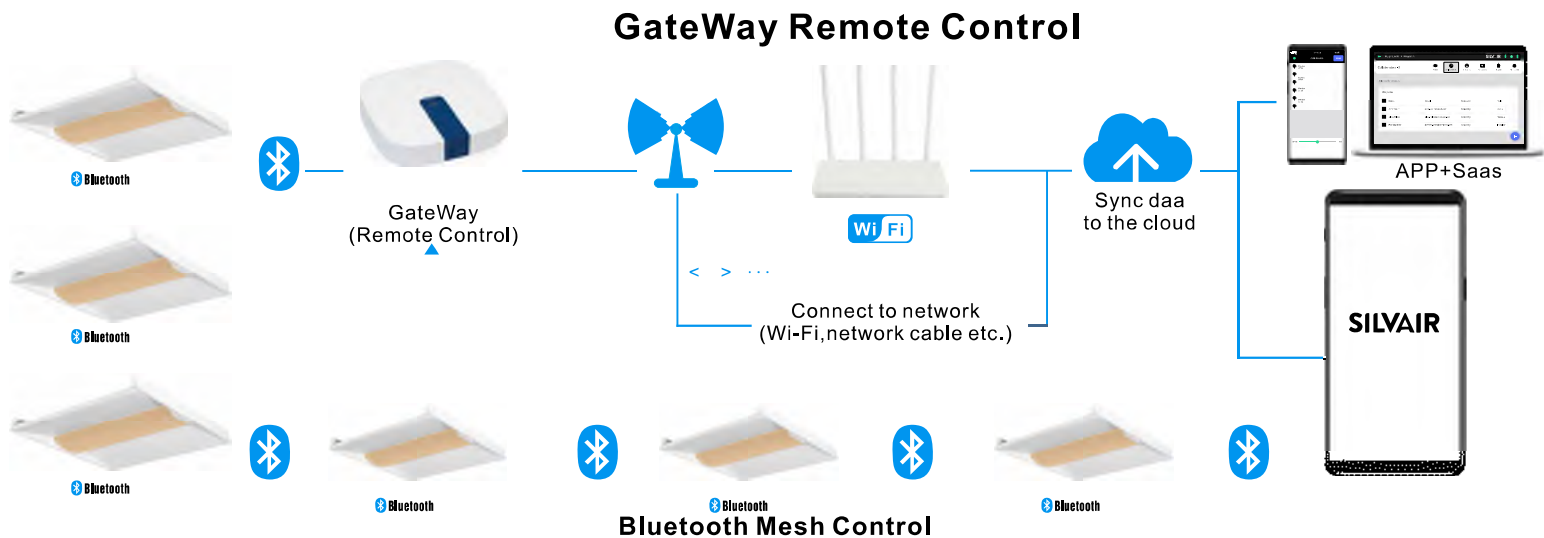
Please scan and download the app:

Operation Instruction:

https://youtu.be/8KWPK7z_Tng

Sensor Based LED TROFFER LIGHT

Wattages: 20W,25W,30W,34W,38W,45W



Functions:

The Silvair Gateway enables the following functions in the Silvair web app: • Scheduling (available by default)

- Scheduling changes in scenes and lighting control scenarios (for example occupancy sensing, daylight harvesting) for specific times or days.

• Energy and occupancy monitoring (additional paid service)

- Visualizing energy use and occupancy via the Silvair web app.
- Downloading energy and occupancy via the Silvair web app and cloud-based API.

• Remote monitoring and control (additional paid service)

- Low-latency monitoring of the status of devices in the network via API.
- Low-latency control of devices in the network via API.

• System diagnostics

- Monitoring of the status of Bluetooth mesh networks.
- Remote troubleshooting of networking issues.

Features:

- Future-proof Linux operating system.
- Simple commissioning using the Silvair Commissioning tools.
- Automatic connection to the Silvair cloud.
- Secure provisioning with secure IDs and encrypted keys.
- High level of hardware and software security (secure boot and encrypted file system can only be accessed with the management platform).
- Automatic security updates.
- Prompt releases of OS updates and fixes to vulnerabilities.
- Low-latency transfer of network, luminaire, and sensor status data to the Silvair cloud.
- Schedule caching.
- Automatic remote firmware updates.
- Display of gateway and network performance metrics (requires the Silvair web app).

INDUSTRIAL GATEWAY

SGW-101

Smart Engineering Gateway

The Silvair Gateway connects Bluetooth mesh networks that have been commissioned using the Silvair Commissioning tools to the Silvair cloud. This allows the scheduling of events and delivery of services based on the data generated by these networks.

SPECIFICATION

| | |
|-------------------------------------|---|
| POWER SUPPLY | 4.5–5.5 V DC, 2 A Power over Ethernet 36–57 V DC (IEEE 802.3af) |
| OPERATING SYSTEM | Ubuntu Core |
| PROCESSOR | i.MX6ULL (Y2), 32-bit ARM 800 MHz |
| MEMORY | 512 MB DDR3L SDRAM 8GB eMMC |
| COMMUNICATION PROTOCOLS | Bluetooth mesh (2.4 GHz Bluetooth Low Energy) Wi-Fi 802.11a/b/g/n/ac (2.4/5 GHz) 4G LTE Cat 1 with 2G/3G (only for Cascade-500-W and Cascade-500-X gateways) |
| PORTS | 1 x RJ45 10/100 Ethernet 1 x USB 2.0 Type-A 2 x external dipole antenna, 5 dBi (only for Cascade-500-W and Cascade-500-X gateways) |
| REQUIRED AMBIENT TEMPERATURE | 0°C to 60°C 32°F to 140°F |
| ENCLOSURE DIMENSIONS | 127 mm x 127 mm x 30 mm (5 inch x 5 inch x 1.2 inch) |
| MOUNTING POSITION | Wall or surface mounted. As close to the geometrical center of the lighting network as possible, but as far as possible from potential sources of interference. |
| SECURITY | Secure boot with encrypted operating system Secure communication with the Silvair Cloud over Internet (TLS) Secure communication with devices over qualified Bluetooth mesh |

4FT VAPOR TIGHT with MOTION SENSOR

PROJECT NAME: _____ CATALOG NUMBER: _____

NOTES: _____ FIXTURE SCHEDULE: _____

Page: 1 of 2

NEW



TESTED DATA:

Optical Details

Light Efficiency 110 LpW CCT
40K, 50K,
Beam Angle 180
CRI ≥80

Electrical Details

Input Voltage 100-277V AC Power
Factor ≥0.95 Dimmable Yes
(Optional) Power Efficacy ≥92%

Other Details

Ingress Protection IP66
Lifespan 50,000+Hours
Storage Temperature -40 ~80 C
Operating Temperature -40 ~50 C

FEATURES AND STANDARDS:

- The Vapor tight light is a Cost saving, energy efficient alternative to traditional fluorescent tubes.
- Easy installation design.
- Suit for Damp/Wet locations.
- Water-proof, dust-proof, corrosion proof, full polycarbonate lens and non-corrosive polycarbonate body, can be used for food factory.
- No flicker led driver.

APPLICATION:

- Parking
- Garage Utility
- Lighting
- Stairwells
- Warehouses
- Food
- Processing
- Low Bay
- Car washes
- Injection Molding
- Indoor Recreating
- Facilities Commercial
- Farming Industrial/
- Commercial Freezers,
- Shops etc.

E2-SA7

Programmable via dip switch or optional RC-100 remote.




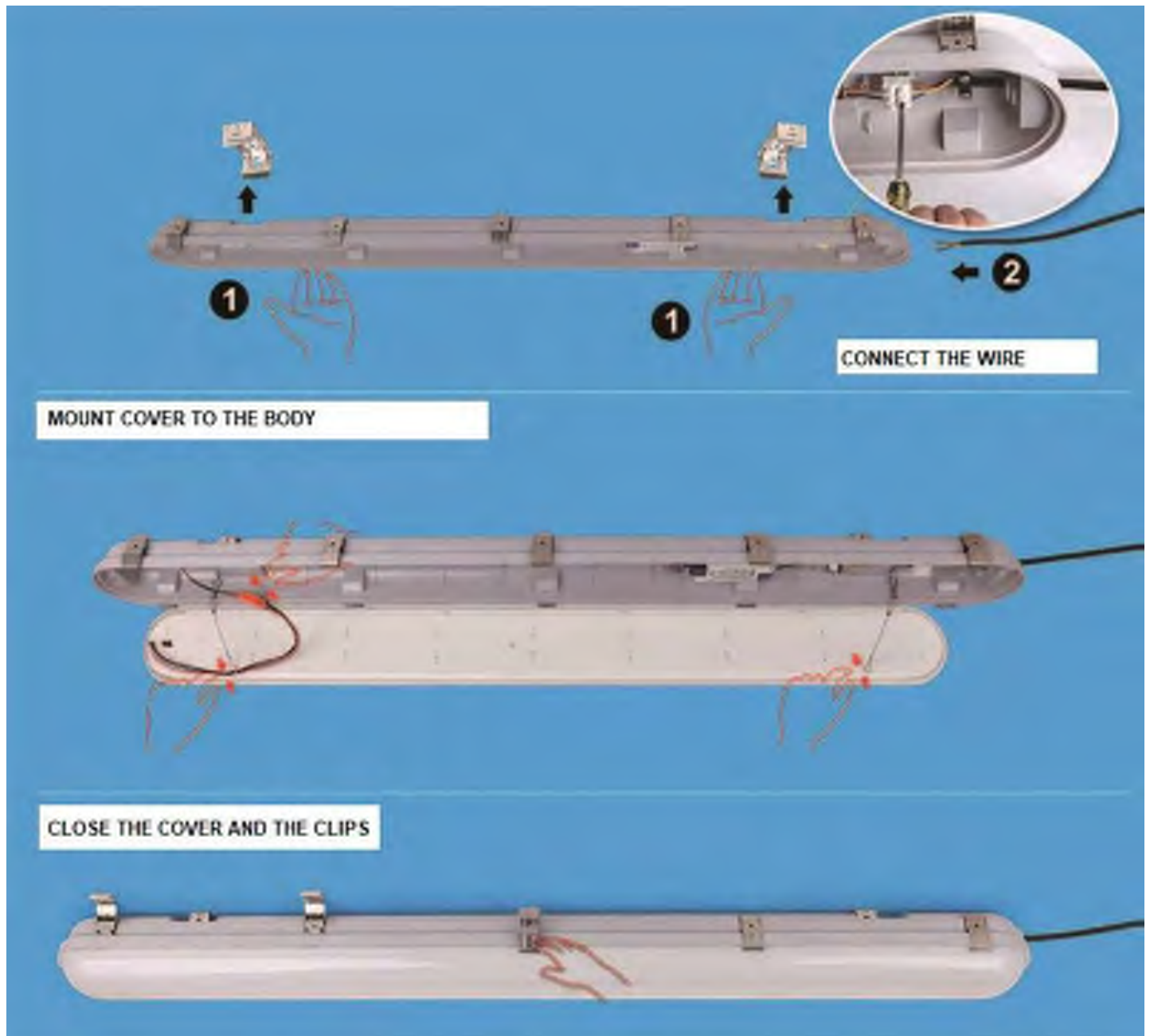
E2-SA7 specifications

| | |
|--------------------------|----------------------------------|
| Power supply - | 12V-24V DC, >50mA |
| HF System - | 5.8GHz±75MHz |
| Dim control output - | 0-10V, max. 25mA sinking current |
| Detection radius/angle - | Max 17ft.(5.2m)/360° |
| Mounting height | Max 13ft(4m) |
| Remote range - | 50ft. (15m) indoor, no backlight |
| Humidity - | Max. 95% RH |
| Temperature - | -40°F ~ 158°F (-40°C ~ 70°C) |

11VTLED Vapor Tight Fixture

Page: 2 of 2

| Product Number | Wattage | Color | Certifications | Dimmable | Voltage | Lumens | Working Hours | CRI |
|---|---------|-----------|---------------------------|----------|-------------|--------|---------------|-----|
| FOR-11VT060W-4FT-M | 60W | 40K, 50K, | CE/RoHS DLC/cETLus/FCC | Yes | 100-277V AC | 6600lm | 50,000+ | ≥80 |
| RC-100 Remote  | | | | | | | | |



Project Name: _____ Catalog Number: _____

Notes: _____ Fixture schedule: _____

LED BOLLARD LIGHT

E2-BOL-12/16/22W-30/40/50K



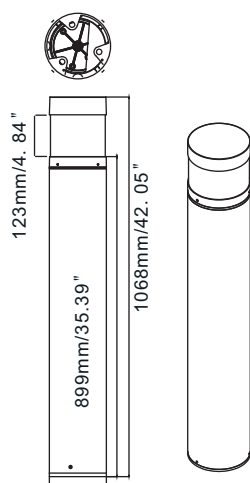
Product Description

Bollards are designed with die-casting aluminum. The clear glass has good light diffuse. Corrosion resistant coating protect the lamp very well during outdoor environment. High waterproof and dust against performance.

Features

1. Lumileds2835 LED chips
2. Corrosion resistant aluminum exterior
3. Wattage & CCT adjustable
4. Cone or Louver reflector option
5. Housing color: Brown/Black
6. IP 65 rated against dust and water
7. 0-10V dimming
8. 5 years warranty

Physical Dimensions

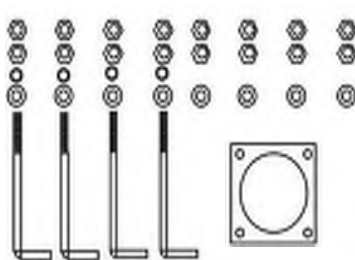


160mm/6.3" Round(Flat top)

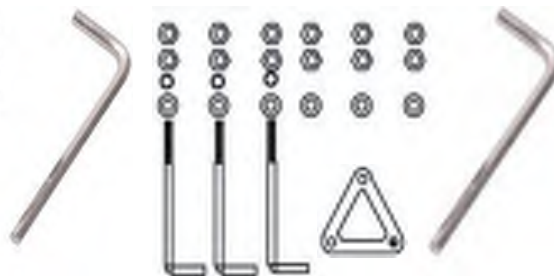
Application

Bollards are designed for walkways, entrance ways, drives and other small-area lighting applications where low mounting heights are desirable.

Accessories



Square

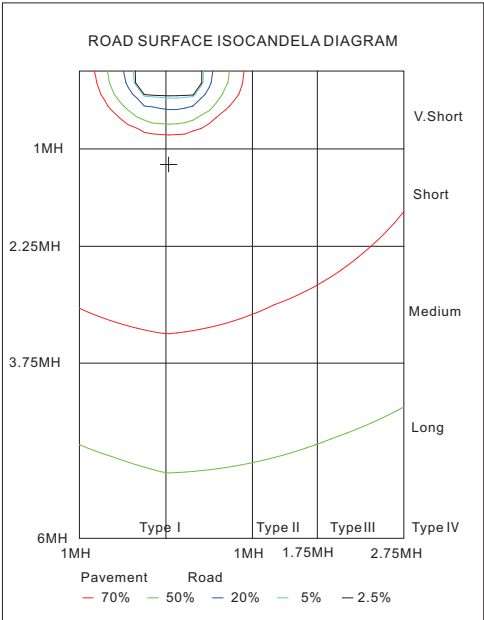
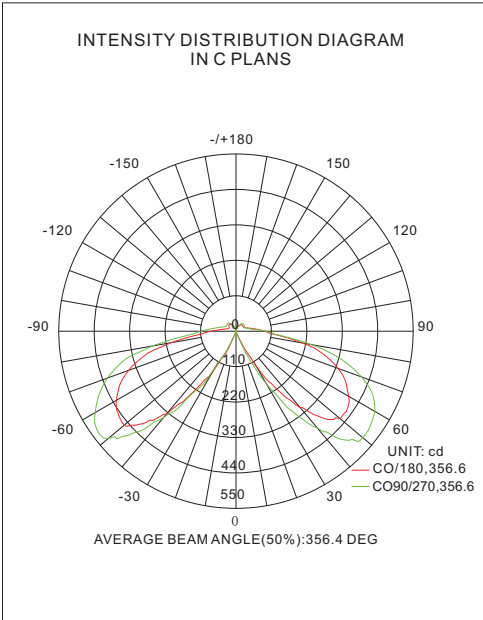


Round

Specifications

| | |
|----------------------|-------------------------------|
| Rated Wattage | 12/16/22W Tunable |
| Initial Lumen Output | 2860lm±5% |
| CRI | >80 |
| PF | >0.9 |
| CCT | 3000K/4000K/5000K CCT Tunable |
| Volt | 120-277V AC |
| SPD | 10KV |
| LED | Lumileds 2835 |
| Power Supply | Weledpower (0-10V dimming) |
| Housing | Die-casting aluminum |
| Color | Bronze/Black |
| Size | Φ 6.3" x 42.05" |
| IP Rating | IP 65 |
| Working Temperature | -40°F~120°F |
| Warranty | 5 years |

Photometrics



Catalog Number Breakdown

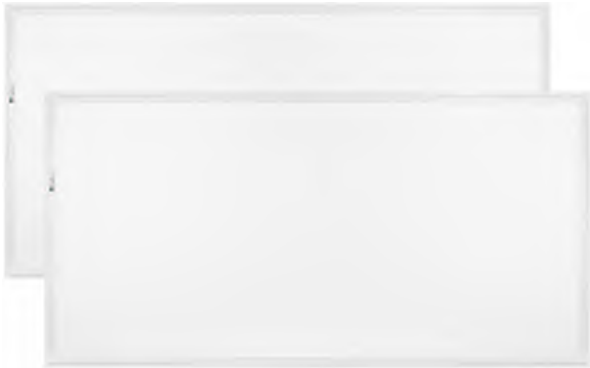
E2-BOL-12/16/22W-30/40/50K

| E2 | BOL | W | A | B |
|-------------|---------------|----------------------|---------------------------------|------------------------------------|
| Company | Product | Wattage | CCT | Photocontrol |
| E2 lighting | Bollard Light | 12/16/22W Selectable | 3000K/4000K/5000K Selectable | Blank = Without Photocontrol |

LED Tunable Panel Light

W/ Pre-Wired Emergency Battery Back Up Model:

E2-BPL-2X4-30/35/40/50/60W-30/35/40/50/60K-E



Dimension:



PRODUCT DESCRIPTION:

Typically used to replace 2'x4' fluorescent fixtures, E2 Lighting's LED Back lite panel lights are designed to lay in drop ceilings in offices, schools and healthcare applications. The flat panels are available in dimming and non-dimming options and are compatible with building controls, motion sensors, timers and daylight harvesting systems. The unique design of the panels produces side-emitting illumination with high transmittance LGP to achieve even, consistent shadowless light. UL classified/recognized, UL listed, DLC Premium listed and RoHs compliant.

FEATURES:

- Leading LED driver design and overlong lifespan
- Simple, chic and elegant appearance and non-discoloring
- Greater than 80% energy savings compared to traditional grid fixtures
- Instant startup, perfect light uniformity, soft light, no glare, no noise, no strobe
- 50,000 Hours L70 Lifespan
- UL and DLC® Premium 5.1

APPLICATION:

- 2x4 Luminaires for Ambient Lighting of Interior Commercial Spaces
- Widely used in Office Buildings, Plants, Schools, Supermarkets, Hotels, Meeting Rooms, Exhibition Halls, Underground Garages and all other environments in need of High Energy Savings and High CRI

TESTED DATA:

- Technical requirements Version: 5.1
- Emergency Battery: 8W for 90 mins +
- Classification: DLC Premium
- Light Output: 4445 lm, 5080 lm, 6000 lm,
- Wattage: 30W, 35W, 40W, 50W, 60W Tunable
- Efficacy: 127 lm/W
- Power Factor: 0.92
- CCT: 3000K-3500K-4000K-5000K-6000K Tunable
- Input Voltage: AC120-277V
- Working Environment: -4°F-122°F
- Dimming Compatible: 0-10V dimming
- Dim: 47.75X23.75X1.8 Inches
- Net Weight: 7lbs

WARRANTY:

E2 warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish. Please see our complete warranty terms located at www.e2lightingusa.com.



5 years warranty

130 LM/W



LED GARAGE & CANOPY LIGHT

Product Catalog

Motion Sensor NCL listed

Motion Sensor

----- Emergency Battery Back Up -----



Growth stems from innovation, development depends on quality

E2-CAN-CSA-25/45/55W-30/40/50K
E2-CAN-CSA-45/55/75W-30/40/50K
E2-CAN-CSA-25/45/55W-30/40/50K-E

CCT + Wattage Tunable Canopy with optional 10W Emergency Battery

Input Voltage: AC120-277V

Efficiency: 130LM/W

Adjustable Angle: Type-V

0-10V dimming

SMD2835 LEDs

PF>0.9, CRI≥80

IP Rating: IP65

5 years warranty

UL(E508912)

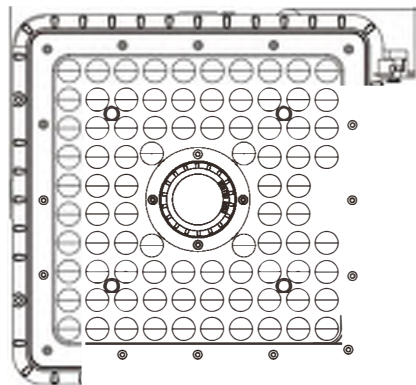


Canopy w/ Integrated 10W Emergency Battery Backup

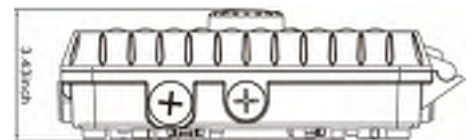
● **Dimensions**



2.83inch

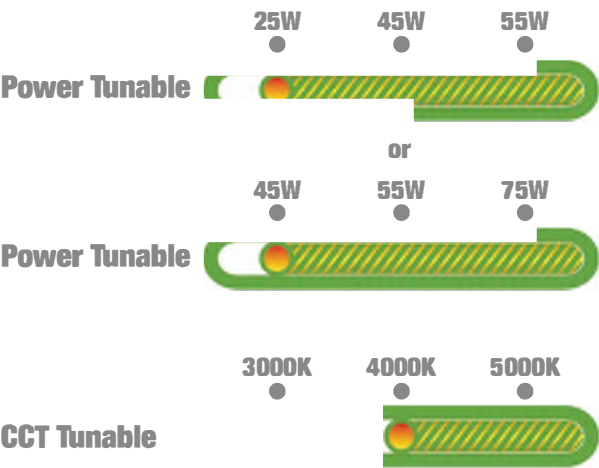


10.55inch



3.43inch

● Ordering information



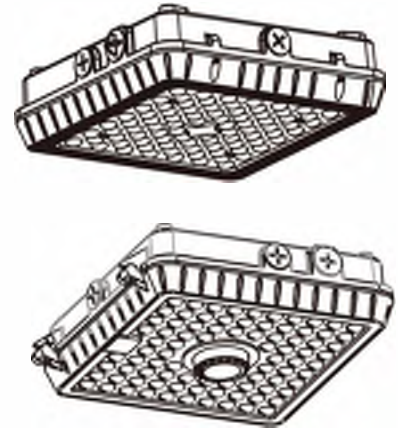
Power & CCT Tunable Series

| | | | | | | |
|----------------------------------|-----------|----------|---------|---------------------|-----------------|-----|
| E2-CAN-CSA-25/45/55W-30/40/50K | 25-45-55W | 120-277V | 130LM/W | 3000/4000 /5000K | 9.88*10.55*2.83 | 4.4 |
| E2-CAN-CSA-25/45/55W-30/40/50K-E | 25-45-55W | 120-277V | 130LM/W | 3000/4000 /5000K | 9.88*10.55*2.83 | 4.4 |
| E2-CAN-CSA-45/55/75W-30/40/50K | 45-55-75W | 120-277V | 130LM/W | 3000/4000 /5000K | 9.88*10.55*2.83 | 4.4 |

● Installation Guide

Product Features:

- . *Professional designed lamps for LED characteristics makes the best light efficiency
- . *A variety of optional installation methods meet the requirements of a wide range of applications in different locations
- . *Separate driver and heat sink help to speed up heat dissipation and easier to change the driver.
- . *The material is high strength alloy anti-corrosion aluminum .



SAFETY INSTRUCTIONS

- 1.* All electrical work must conform to the National Electric Code (NEC) and all applicable local codes and ordinances.
- 2.* Only qualified personnel shall install and maintain the luminaires. JIANG JING recommends that a licensed electrician install and maintain the luminaire. Verify the safety of existing power distribution system before beginning installation. FAILURE TO FOLLOW OPERATING INSTRUCTIONS MAY LEAD TO DEATH, SEVERE INJURY, OR PROPERTY DAMAGE.

WARNING

Turn off power before performing any electrical or control work. FAILURE TO FOLLOW THIS WARNING MAY LEAD TO DEATH, SEVERE INJURY, OR PROPERTY DAMAGE.

DO NOT make or alter any open holes in the luminaire. Do not modify the luminaire.

WARNING

Follow all applicable safety procedures and use Personal Protective Equipment such as hardhats, safety glasses, reflective vests, electrical safety gloves, fall protection equipment and safety toe boots during the installation, operation, and maintenance of the luminaire. FAILURE TO FOLLOW THIS WARNING MAY LEAD TO DEATH, SEVERE INJURY, OR PROPERTY DAMAGE.

WARNING

Risk of eye injury! Eye protection is required at all times during the installation, operation, and maintenance of the luminaire. The high intensity light produced by the luminaire can cause severe damage to the eye if viewed directly at close range. Avoid being in front of a luminaire that is on or wear suitable light blocking protective eyewear such as welding goggles.

Store luminaires in a clean, dry place, protected from dirt, water, and sunlight. See table for required storage and operating conditions:

| Storage Temperature | Operating Temperature | Humidity |
|---------------------|-----------------------|--------------------------|
| 40°F to 167°F | -20°~131°F | 5% to 95% non-condensing |

WARNING:

Please read the manual carefully before installation. Power off before installation. Please authorize only a qualified person or professional engineer to install the fixture. Before installation, please check if the local voltage range corresponds with working voltage of the fixture. If the fixture is damaged, it should be replaced by the supplier, a service agent or a qualified person. Please keep the fixture away from fire, electric shock, and vibration.

The first installation method

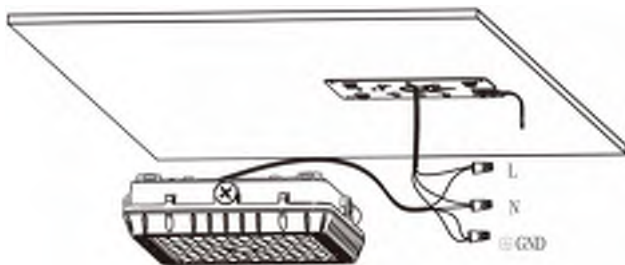
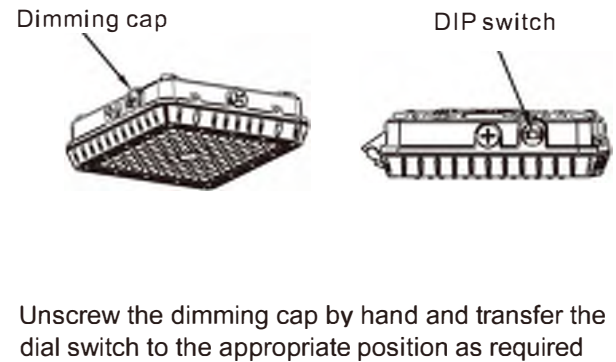
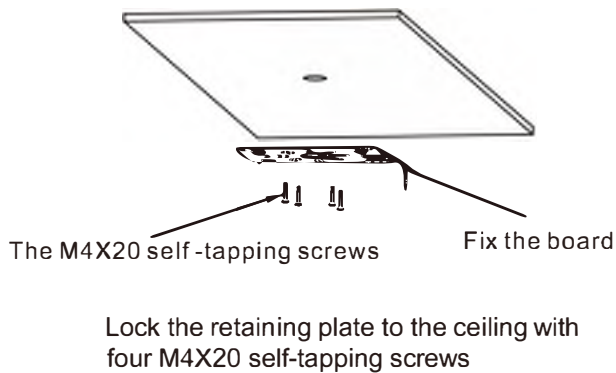


Figure1 .Wiring diagram

Follow the luminaire wiring diagram to wire the appliance correctly

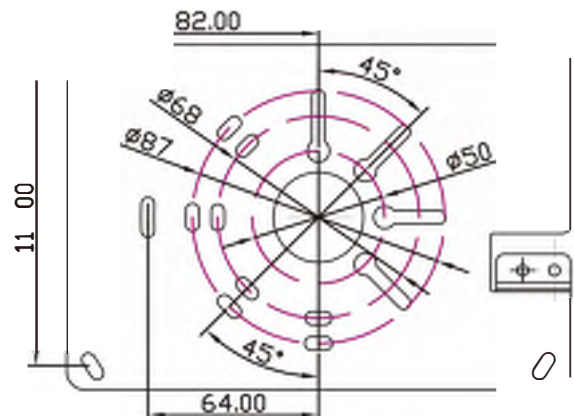


Figure2 . Mounting Hole Diagram

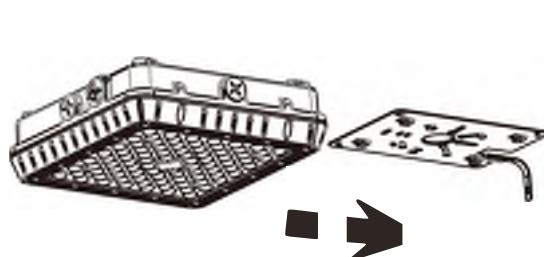
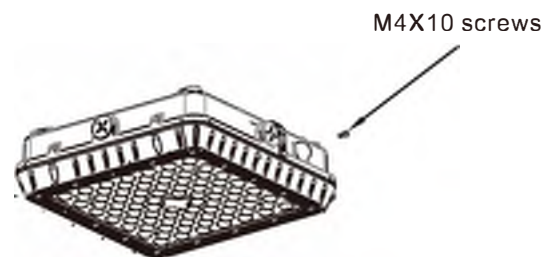
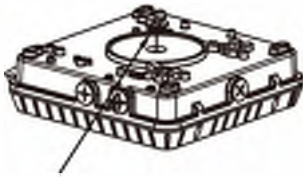


Figure 3. Fix the lamp diagram



Finally, lock the M4X10 screws on the side

The second installation method



Using a slotted screw driver, remove the top 3/4" conduit plug from the top side of the garage light (This is only if the conduit is directly above the luminaire. If the conduit is coming from one of the sides of the luminaire, the CPB01 canopy also has conduit plugs on each side of the fixture.)



Using an allen wrench, remove the two socket head machine screws in order to access the LED driver inside the luminaire

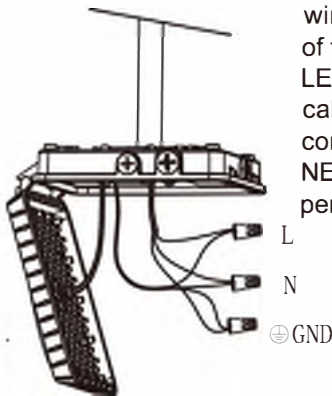
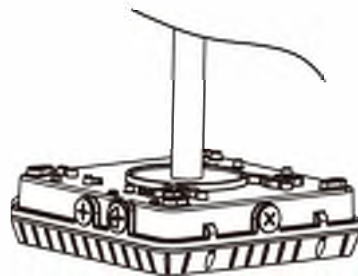
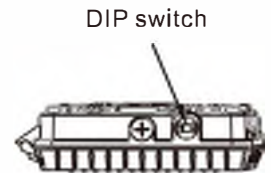


Figure1 .Wiring diagram

Open the garage light and use the wiring diagram at the bottom of the page in order to connect the LED driver to the power supply cables that are inside the conduit. All connections must be compliant with NEC standards and must be performed by a certified electrician



Unscrew the dimming cap by hand and transfer the DIP switch to the appropriate position as required












Once all the wires are properly connected, close the CPB01 luminaire and fasten the two socket head machine screws back to lock the cap in place.

WARNING

Always turn power to fixture OFF before performing any work on control wiring. Turn transmitters off before working on main control lines. Performing any work on control connections while fixtures are receiving the signal may result in transient or fluttering control signals which can cause damage to the luminaire. FAILURE TO FOLLOW THIS WARNING MAY LEAD TO LUMINAIRE INTERNAL DAMAGE AND FAILURE.

☐ Wiring Diagram

| | | | label |
|---------|---------------|---|---|
| Black * | -- L -- |  |  |
| White* | -- N -- |  |  |
| Green | -- G -- |  |  |
| Purple | -- DIM (+) -- |  |  |
| Pink | -- DIM (-) -- |  | |

E2-DL-COM-E Series - LED Wattage + CCT Tunable Commercial Down Light With Emergency Battery Backup

Up to 120 lm/W, IP54 Wet Location, Select 3X-CCT (3000K, 4000K, 5000K) and 3X-Wattages, 0-10V Dimmable, Premium Indoor Luminaire with 15W Emergency Battery Backup for 90 mins.

Premium Features

| | |
|---------------|------------------------------|
| Lumen Output | 600 to 3960 lumens |
| Efficacy | Up to 120 lm/W |
| Input Voltage | 120-277V |
| Dimmable | 0-10V Continuous |
| CCT | Select (3000K, 4000K, 5000K) |
| IP Rating | IP54 Wet Location |
| Size | 4-in, 6-in, 8-in, 10-in |
| Warranty | 5 Years |

Applications

Premium indoor luminaire for recessed mounting in ceiling spaces. Suitable for general indoor, lobbies, offices, meeting rooms, restrooms, hallways, hospitals, airports, hotels, restaurants and shopping centers.

Construction

Manufactured for durability using airtight aluminum sheet housing with satin coating to resist corrosion, discoloration, and scratching. IP54 Wet Location rated for protection against dust and splashing water: IEC 60529. Deep recessed lens to minimize ambient glare.

Electrical

Input voltage 120-277V models with 0-10V Continuous Dimming. Includes 3X-CCT and 3X-Wattage Tuning Switches. Operating temperatures -4°F to 104°F (-20°C to 40°C).

Mounting

Quick installation spring-bars for installations without housing. 1.5 Foot integrated whip for easy access to the junction box.

Optics

Anti-UV Frosted Polycarbonate Lens.

Listings

ETL certified to meet US and Canadian standards. FCC, CE and RoHS compliant. ENERGY STAR listed to qualify for energy-efficient LED lighting rebates.

Warranty

5 yr /50K hrs.

| |
|--------------|
| Project: |
| Date: |
| Catalog No: |
| Prepared By: |

4-in, 6-in, 8-in, and 10-in Models



3X-CCT + 3X-Wattage Tunable

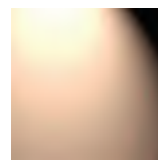
Tuning Switches on Housing

Correlated Color Temperatures (CCT)

3000K

4000K

5000K



Specifications

Energy Data

Input Voltage: 120-277V

Input Frequency: 50/60 Hz

Wattage: Select (6W, 8W, 12W), (8W, 12W, 16W), (12W, 16W, 22W), (20W, 26W, 33W), (22W, 28W, 33W)

Power Factor: >0.9

Total Harmonic Distortion (THD): <20%

Operating Temperature: -4°F to 104°F (-20°C to 40°C)

Lighting Data

Lumens: Select (600, 800, 1200), (800, 1200, 1600), (1200, 1600, 2200), (2200, 2800, 3300), (2400, 3120, 3960)

Lumens Per Watt: Up to 120 lm/W

Color Correlated Temperature (CCT): Select (3000K, 4000K, 5000K)

Dimmable: 0-10V

Color Rendering Index (CRI): >80

L70: 50000 hours

Ordering Information

| Model | Size | Wattage | Voltage | Current | Lumens | Efficacy | CCT | Beam Angle | Dimming | Color | Dimensions | Weight |
|--|------|---------------------|----------|--|----------------------|----------|-----------------------------|------------|---------|-------|--|----------|
| E2-DL-COM-4Inch-6/8/12W-30/40/50K-E | 4-in | (6W 8W 12W) | 120-277V | 0.05A@120V, 0.02A@277V 0.07A@120V, 0.03A@277V 0.10A@120V, 0.04A@277V | 600 800 1200 | 100 lm/W | (3000K, 4000K, 5000K) | 80° | 0-10V | White | Luminaire ø 5.94"C x 3.63"H Cutout Min. ø 4.00"C, Max. ø 5.25"C | 0.66 lbs |
| E2-DL-COM-6Inch-8/12W/16W-30/40/50K-E | 6-in | (8W 12W 16W) | 120-277V | 0.07A@120V, 0.03A@277V 0.10A@120V, 0.04A@277V 0.13A@120V, 0.06A@277V | 800 1200 1600 | 100 lm/W | (3000K, 4000K, 5000K) | 80° | 0-10V | White | Luminaire ø 8.31"C x 4.38"H Cutout Min. ø 6.19"C, Max. ø 7.50"C | 1.12 lbs |
| E2-DL-COM-6Inch-20/26/33W-30/40/50K-E | 6-in | (20W 26W 33W) | 120-277V | 0.17A@120V, 0.07A@277V 0.22A@120V, 0.09A@277V 0.28A@120V, 0.12A@277V | 2400 3120 3960 | 120 lm/W | (3000K, 4000K, 5000K) | 80° | 0-10V | White | Luminaire ø 8.31"C x 4.38"H Cutout Min. ø 6.19"C, Max. ø 7.50"C | 1.12 lbs |
| E2-DL-COM-8Inch-12/16/22W-30/40/50K-E | 8-in | (12W 16W 22W) | 120-277V | 0.10A@120V, 0.04A@277V 0.13A@120V, 0.06A@277V 0.18A@120V, 0.08A@277V | 1200 1600 2200 | 100 lm/W | (3000K, 4000K, 5000K) | 90° | 0-10V | White | Luminaire ø 10.31"C x 4.88"H Cutout Min. ø 8.00"C, Max. ø 9.50"C | 1.34 lbs |
| E2-DL-COM-10Inch-22/28/33W-30/40/50K-E | 8-in | (22W 28W 33W) | 120-277V | 0.18A@120V, 0.08A@277V 0.23A@120V, 0.10A@277V 0.28A@120V, 0.12A@277V | 2200 2800 3300 | 100 lm/W | (3000K, 4000K, 5000K) | 90° | 0-10V | White | Luminaire ø 11.56"C x 5.50"H Cutout Min. ø 8.88"C, Max. ø 10.63"C | 1.65 lbs |

Shipping Information

| Model Wattage | Unit Weight | Shipping Dimensions | Shipping Weight | Quantity /Box |
|------------------|----------------|-----------------------------|--------------------|------------------|
| 4-in | 0.66 lbs | 21.22"L x 13.23"W x 20.20"D | 22.66 lbs | 24 |
| 6-in | 1.12 lbs | 18.50"L x 17.87"W x 17.71"D | 19.79 lbs | 12 |
| 8-in | 1.34 lbs | 22.83"L x 21.73"W x 19.29"D | 22.11 lbs | 12 |
| 10-in | 1.65 lbs | 24.72"L x 12.99"W x 21.18"D | 15.90 lbs | 6 |

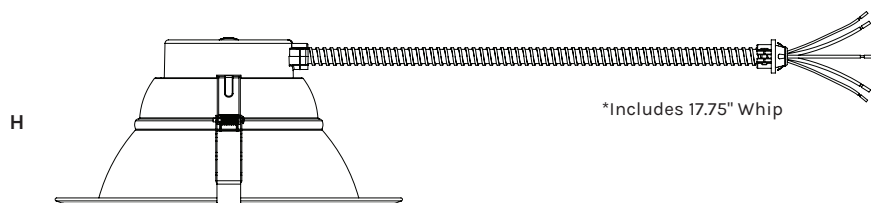
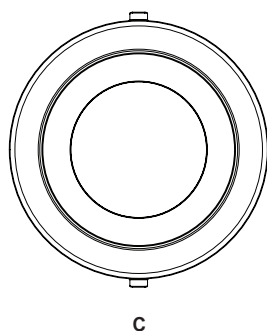
Physical Dimensions

4-in Models ø 5.94"C x 3.63"H

6-in Models ø 8.31"C x 4.38"H

8-in Models ø 10.31"C x 4.88"H

10-in Models ø 11.56"C x 5.50"H



E2-DL-COM- SERIES - LED Wattage + CCT Tunable Commercial Down Light

Up to 120 lm/W, IP54 Wet Location, Select 3X-CCT (3000K, 4000K, 5000K) and 3X-Wattages, 0-10V Dimmable, Premium Indoor Luminaire.

| |
|--------------|
| Project: |
| Date: |
| Catalog No: |
| Prepared By: |

Premium Features

| | |
|---------------|------------------------------|
| Lumen Output | 600 to 3300 lumens |
| Efficacy | Up to 100 lm/W |
| Input Voltage | 120-277V |
| Dimmable | 0-10V Continuous |
| CCT | Select (3000K, 4000K, 5000K) |
| IP Rating | IP54 Wet Location |
| Size | 4-in, 6-in, 8-in, 10-in |
| Warranty | 5 Years |

4-in, 6-in, 8-in, and 10-in Models



Applications

Premium indoor luminaire for recessed mounting in ceiling spaces. Suitable for general indoor, lobbies, offices, meeting rooms, restrooms, hallways, hospitals, airports, hotels, restaurants and shopping centers.

Construction

Manufactured for durability using airtight aluminum sheet housing with satin coating to resist corrosion, discoloration, and scratching. IP54 Wet Location rated for protection against dust and splashing water: IEC 60529. Deep recessed lens to minimize ambient glare.

Electrical

Input voltage 120-277V models with 0-10V Continuous Dimming. Includes 3X-CCT and 3X-Wattage Tuning Switches. Operating temperatures -4°F to 104°F (-20°C to 40°C).

Mounting

Quick installation spring-bars for installations without housing. 1.5 Foot integrated whip for easy access to the junction box.

Optics

Anti-UV Frosted Polycarbonate Lens.

Listings

ETL certified to meet US and Canadian standards. FCC, CE and RoHS compliant. ENERGY STAR listed to qualify for energy-efficient LED lighting rebates.

Warranty

5 yr /50K hrs.

3X-CCT + 3X-Wattage Tunable

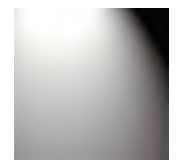
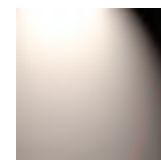
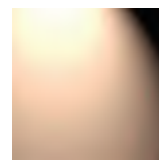
Tuning Switches on Housing

Correlated Color Temperatures (CCT)

3000K

4000K

5000K



Specifications

Energy Data

Input Voltage: 120-277V

Input Frequency: 50/60 Hz

Wattage: Select (6W, 8W, 12W), (8W, 12W, 16W), (12W, 16W, 22W), (22W, 28W, 33W)

Power Factor: >0.9

Total Harmonic Distortion (THD): <20%

Operating Temperature: -4°F to 104°F (-20°C to 40°C)

Lighting Data

Lumens: Select (600, 800, 1200), (800, 1200, 1600), (1200, 1600, 2200), (2200, 2800, 3300)

Lumens Per Watt: Up to 100 lm/W

Color Correlated Temperature (CCT): Select (3000K, 4000K, 5000K)

Dimmable: 0-10V

Color Rendering Index (CRI): >80

L70: 50000 hours

Ordering Information

| Model | Size | Wattage | Voltage | Current | Lumens | Efficacy | CCT | Beam Angle | Dimming | Color | Dimensions | Weight |
|--------------------------------------|-------|---------------------|----------|--|----------------------|----------|-----------------------------|------------|---------|-------|--|----------|
| E2-DL-COM-4Inch-6/8/12W-30/40/50K | 4-in | (6W 8W 12W) | 120-277V | 0.05A@120V, 0.02A@277V 0.07A@120V, 0.03A@277V 0.10A@120V, 0.04A@277V | 600 800 1200 | 100 lm/W | (3000K, 4000K, 5000K) | 80° | 0-10V | White | Luminaire ø 5.94"C x 3.63"H Cutout Min. ø 4.00"C, Max. ø 5.25"C | 0.66 lbs |
| E2-DL-COM-6Inch-8/12W/16W-30/40/50K | 6-in | (8W 12W 16W) | 120-277V | 0.07A@120V, 0.03A@277V 0.10A@120V, 0.04A@277V 0.13A@120V, 0.06A@277V | 800 1200 1600 | 100 lm/W | (3000K, 4000K, 5000K) | 80° | 0-10V | White | Luminaire ø 8.31"C x 4.38"H Cutout Min. ø 6.19"C, Max. ø 7.50"C | 1.12 lbs |
| E2-DL-COM-8Inch-12/16/22W-30/40/50K | 8-in | (12W 16W 22W) | 120-277V | 0.10A@120V, 0.04A@277V 0.13A@120V, 0.06A@277V 0.18A@120V, 0.08A@277V | 1200 1600 2200 | 100 lm/W | (3000K, 4000K, 5000K) | 90° | 0-10V | White | Luminaire ø 10.31"C x 4.88"H Cutout Min. ø 8.00"C, Max. ø 9.50"C | 1.34 lbs |
| E2-DL-COM-10Inch-22/28/33W-30/40/50K | 10-in | (22W 28W 33W) | 120-277V | 0.18A@120V, 0.08A@277V 0.23A@120V, 0.10A@277V 0.28A@120V, 0.12A@277V | 2200 2800 3300 | 100 lm/W | (3000K, 4000K, 5000K) | 90° | 0-10V | White | Luminaire ø 11.56"C x 5.50"H Cutout Min. ø 8.88"C, Max. ø 10.63"C | 1.65 lbs |

Shipping Information

| Size | Unit Weight | Shipping Dimensions | Shipping Weight | Quantity /Box |
|-------|-------------|-----------------------------|-----------------|---------------|
| 4-in | 0.66 lbs | 21.22"L x 13.23"W x 20.20"D | 22.66 lbs | 24 |
| 6-in | 1.12 lbs | 18.50"L x 17.87"W x 17.71"D | 19.79 lbs | 12 |
| 8-in | 1.34 lbs | 22.83"L x 21.73"W x 19.29"D | 22.11 lbs | 12 |
| 10-in | 1.65 lbs | 24.72"L x 12.99"W x 21.18"D | 15.90 lbs | 6 |

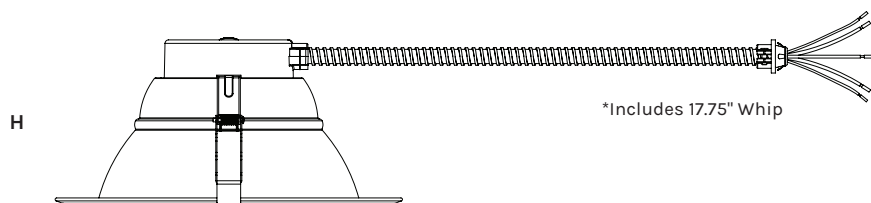
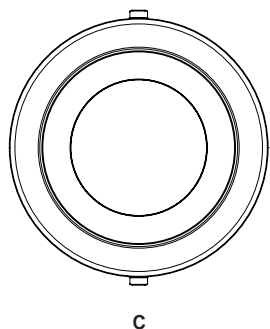
Physical Dimensions

4-in Models ø 5.94"C x 3.63"H

6-in Models ø 8.31"C x 4.38"H

8-in Models ø 10.31"C x 4.88"H

10-in Models ø 11.56"C x 5.50"H



Project Name: _____ Catalog Number: _____

Notes: _____ Fixture schedule: _____

LED Floating Gimbal Light

E2-DL-GIMBAL-15W-27/30/35/40/50K



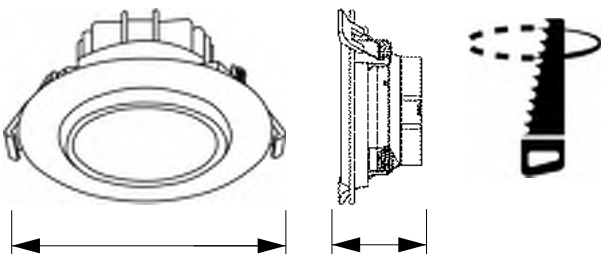
Product Description

The gimbal series down light is an energy efficient, damp location suitable, light solution for ceilings and similar scenarios, that can direct the light where it's most needed. Constructed from die-cast aluminum enclosure with great heat dissipation, it has a long service life, and offers 180 degree rotation, allowing to precisely direct the light.

Features

- Mounting: Includes two spring loaded clips to attached to any ceiling material. The slim profile allows to be mounted under joists or duct work.
- Beam angle: 36°
- Warranty: 5 year warranty
- Quick Connect push-in terminals: Three "Quick connect" push-in terminals for fast and easy wiring.
- Operating Temperature: -40°C~40°C (-4°F~105°F)
- Environment: Suitable for damp locations. Suitable for insulated ceiling applications.
- Lifespan: 50000 hours

Dimensions



| | | Height | Cut out |
|-----|-----------------|-----------|----------|
| 15W | 7.4 * 3.15 Inch | 3.14 Inch | 5.9 Inch |

Product Structure



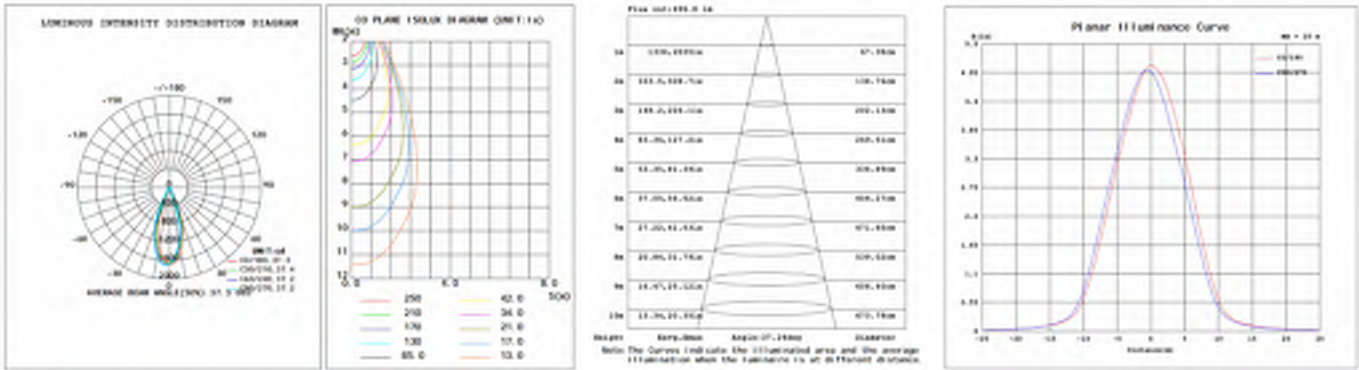
Specifications

| Item No. | Luminous | Light Source | CCT | Input Voltage | Wattage | CRI | LM/W | Finish |
|--------------|----------|--------------|---------------|---------------|---------|-----|---------|--------|
| E2-FG-6360-D | 1200lm | COB | 5 CCT Tunable | 100-277V | 15W | ≥80 | 81 LM/W | WHITE |

LED Driver



Photometry



Installation

Fig.1

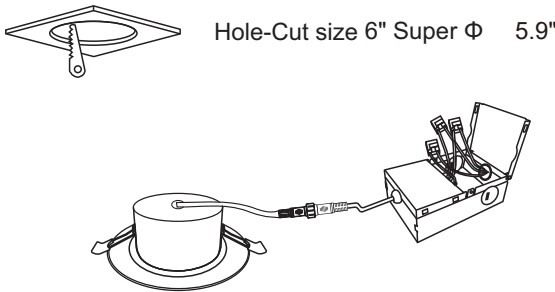


Fig.2

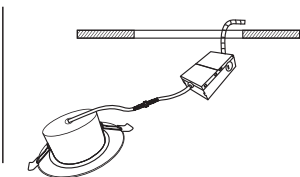
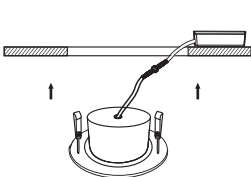


Fig.3



Project Name: _____ Catalog Number: _____

Notes: _____ Fixture schedule: _____

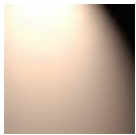
The E2-DL-PCOM Series is a Premium Commercial Wattage & CCT Tunable Downlight



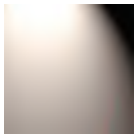
ETL CLASSIFIED



3000K



4000K



5000K



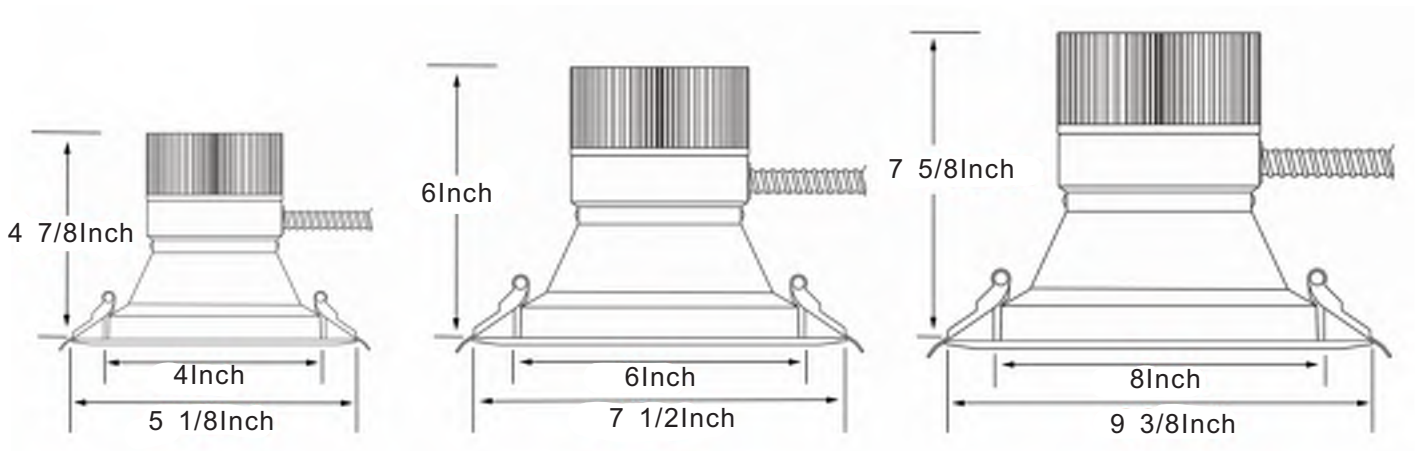
Product Description:

The E2-DL-PCOM Series is a Premium Commercial Wattage & CCT Tunable Downlight, ideal for school, hospital, retail, office and other retrofit and new construction applications.

Features

1. 4", 6" & 8" Inch
2. AC100-277V input voltage
3. CCT & wattage tunable
4. 3 Wattage & 3 CCT Tunable
5. 0-10V Dim with 12V (for sensor)
6. Aluminum housing and heat-sink
7. ETL & ES certification

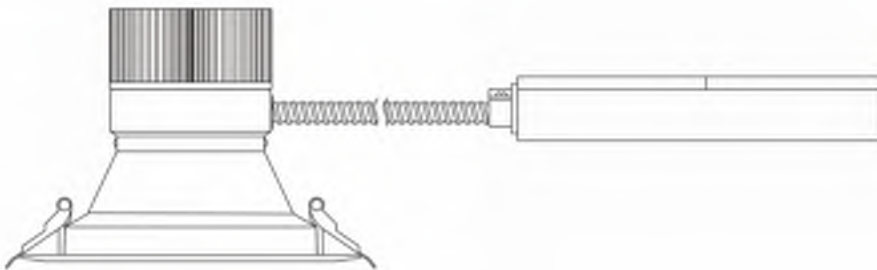
Physical Dimensions



Specifications

| Size | 4INCH | 6 INCH | 8INCH |
|---------|--------------------------------------|--------------------------------------|--------------------------------------|
| Model | E2-DL-PCOM-4Inch-10/15/20W-30/40/50K | E2-DL-PCOM-6Inch-20/30/40W-30/40/50K | E2-DL-PCOM-6Inch-20/30/40W-30/40/50K |
| Voltage | AC-100-277V | AC-100-277V | AC-100-277V |
| Power | 10/15/20W | 20/30/40W | 20/30/40W |
| lumens | 1000-2000 lm | 2000-4000 lm | 2000-4000 lm |
| E-Power | NO | NO | NO |
| E-Lumen | | | |
| CCT | 30/40/50K | 30/40/50K | 30/40/50K |
| CRI | >90 | | |

J-Box dimension



J-box Size

Length: 7.1 Inch

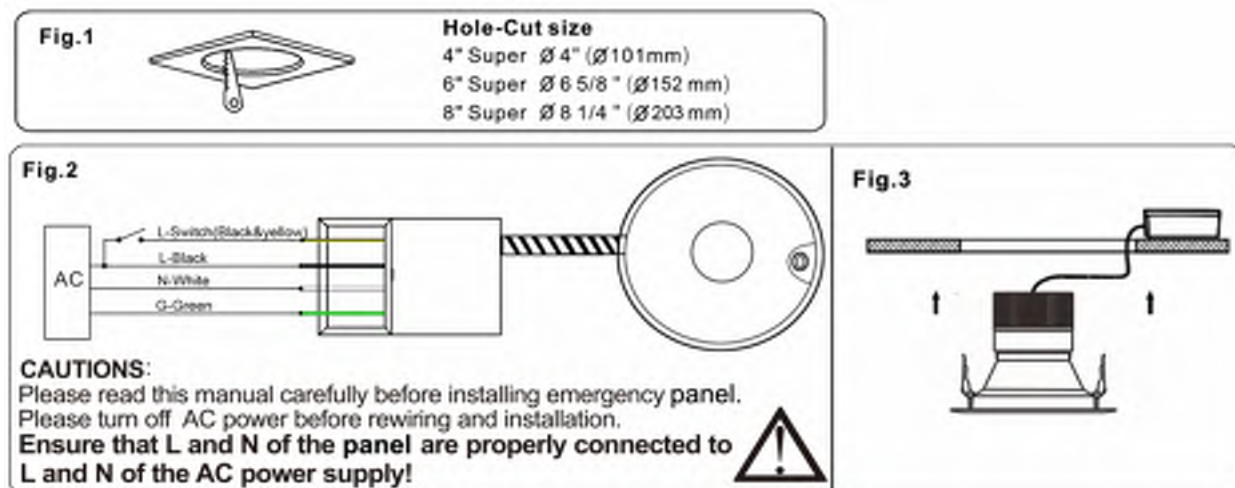
Width: 3.4Inch

Thickness: 1.37Inch

Wattage & CCT Adjustment



Wiring Diagram



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

READ AND FOLLOW ALL SAFETY INSTRUCTIONS.

1. After getting the lamp, do not hurry to install it. Please read the installation and use safety instructions, and install and use the lamp according to the instructions.
2. Before installing, make certain the AC power to the fixture is off.
3. Do not use outdoors.
4. Do not let the lamp touch hot surfaces.
5. Do not mount near gas or electric heaters.
6. Repairs and maintenance must be carried out by qualified personnel.
7. In this reminder, do not frequently switch the power supply when the lamp is in use. Since the lamp is frequently started at all times, the current is passed through the light source, Higher than normal working current, making the light source heating violently, thus reducing the service life.



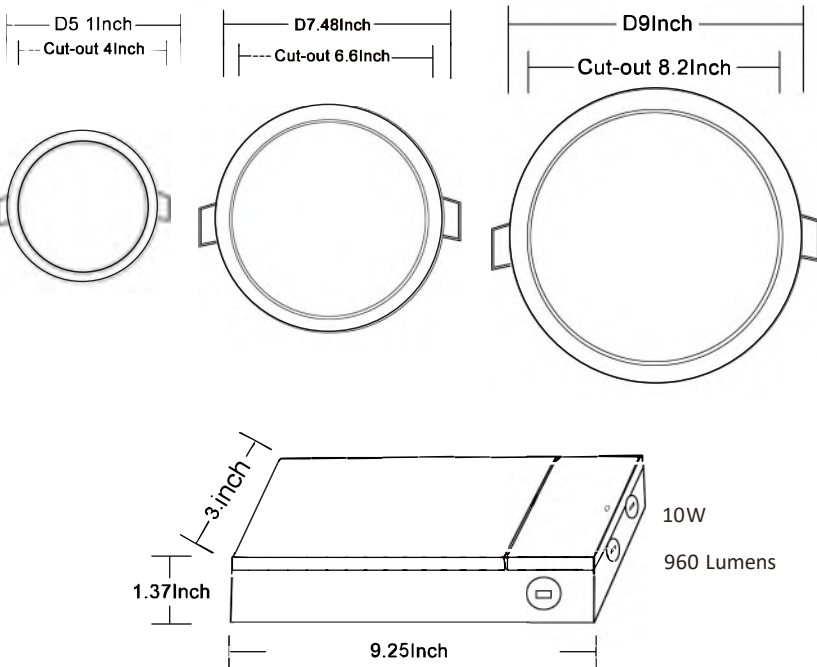
WARNING: RISK OF SHOCK,House electric current can cause painful shock or serious injury unless handled properly.

CAUTION: Turn off the main power at the circuit breaker before installing ,in order to prevent possible shock

NEW

E2-DL-SLIM-E-BL Series Ultra Slim Down Light with Pre-Wired Battery Back-Up

The Ultra Slim LED Tunable Down Light, Up to 71 lm/W, IP54 Wet Location, Select 5X-CCT (2700K, 3000K, 3500K, 4000K, 5000K) and Wattage tunable, both Tri Dimming and 0-10V Dimming, Premium Indoor Luminaire.



PRODUCT DESCRIPTION:

The E2 Ultra Slim LED Downlight with Emergency Battery Backup is a Recessed Down Light Can and all Conduit cable connection.

This is IC rated for direct installation; so, mounted cans are not in the ceiling. Its ultra thin profile allows you to quickly install into almost any location with its two pressure fit clips.

The E2 Down Lights are suitable for damp locations and soffit installations, which is perfect for limited space locations.

Offering both Tri Dimming and 0-10V Dimming allows for great installation flexibility.

FEATURES AND STANDARDS:

- Lumen Output 639 to 1278 lumens
- 10W rechargeable battery for 90 mins plus
- Efficacy Up to 71 lm/W
- Input Voltage 120-277V
- Dimmable 0-10V and Tri Dimming
- CCT Select (2700K, 3000K, 3500K, 4000K, 5000K)
- IP Rating IP54 Wet Location
- Size 4- in, 6-in, 8-in
- Warranty 5 Years

APPLICATION:

Premium indoor luminaire for recessed mounting in ceiling spaces. Suitable for general indoor, lobbies, offices, meeting rooms, restrooms, hallways, hospitals, airports, hotels, restaurants and shopping centers.

TESTED DATA:

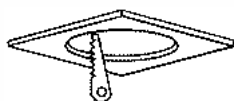
Input Voltage: 120-277V
Input Frequency: 50/60 Hz
Wattage: 4-inch 9W
Wattage: 6-inch Tunable 9W / 16W / 18W
Wattage: 8-inch 9W / 16W / 18W
Power Factor: >0.9
Total Harmonic Distortion (THD): <20%
Operating Temperature: -4°F to 104°F

| Product Number | Wattage | Color | Certifications | Dimmable | Voltage | Lumens | Working Hours | CRI |
|--|----------|------------------|----------------------|------------------------|----------|------------|---------------|-----|
| E2-DL-SLIM-4Inch-9W-27/30/35/40/50K-E-BL | 9W | 2700K/ 3000K/ | ETL & Energy Star | Tri Dimming & 1-10V | 120-277V | 639-1278lm | 50,000 | 80 |
| E2-DL-SLIM-6Inch-9/16/18W-27/30/35/40/50K-E-BL | 9/16/18W | 3500K/ 4000K/ | | | | | | |
| E2-DL-SLIM-8Inch-9/16/18W-27/30/35/40/50K-E-BL | 9/16/18W | 5000K | | | | | | |

Emergency Slim LED Panel

Wiring Diagram

Fig.1



Hole-Cut size

4" Opening Ø 4" (Ø101mm)

6" Opening Ø 6 5/8" (Ø168mm)

8" Opening Ø 8 1/4" (Ø208mm)

Fig.2

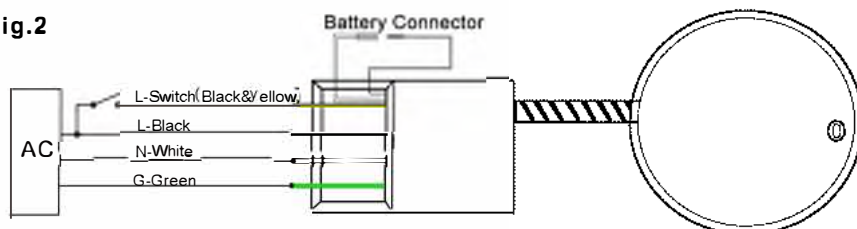
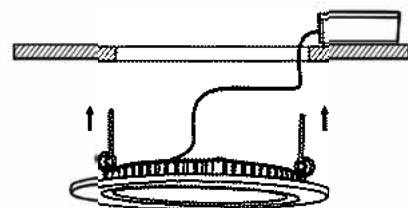


Fig.3



CAUTIONS:

Please read this manual carefully before installing emergency panel.
Please turn off AC power before rewiring and installation.

Ensure that L and N of the panel are properly connected to L and N of the AC power supply!



AC Operation



Test Button & LED Indicator

1. LED Indicator on when EBBU Mode
2. LED Indicator Slow flicker when Charging
3. LED Indicator quick flicker when EBBU issue (self-inspection function)
4. Press down the test button, turn to EBBU Mode
Release the Test Button, Turn To AC Mode



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

READ AND FOLLOW ALL SAFETY INSTRUCTIONS.

1. After getting the lamp, do not hurry to install it. Please read the installation and use safety instructions, and install and use the lamp according to the instructions.
2. Before installing, make certain the AC power to the fixture is off.
3. Do not use outdoors.
4. Do not let the lamp touch hot surfaces.
5. Do not mount near gas or electric heaters.
6. Repairs and maintenance must be carried out by qualified personnel
7. In this reminder, do not frequently switch the power supply when the lamp is in use. Since the lamp is frequently started at all times, the current is passed through the light source, Higher than normal working current, making the light source heating violently, thus reducing the service life.



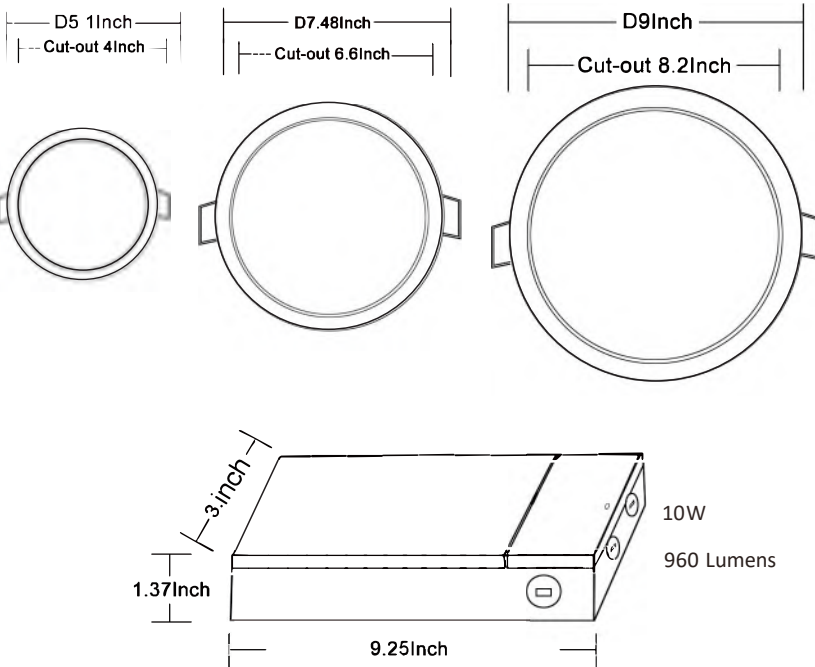
WARNING: RISK OF SHOCK, House electric current can cause painful shock or serious injury unless handled properly.

CAUTION: Turn off the main power at the circuit breaker before installing, in order to prevent possible shock

NEW

E2-DL-SLIM-E G2 Series Ultra Slim Gen2 Down Light with Pre-Wired Battery Back-Up

The Ultra Slim LED Tunable Down Light, Up to 71 lm/W, IP54 Wet Location, Select 5X-CCT (2700K, 3000K, 3500K, 4000K, 5000K) and Wattage tunable, both Tri Dimming and 0-10V Dimming, Premium Indoor Luminaire.



PRODUCT DESCRIPTION:

The E2 Ultra Slim LED Downlight with Emergency Battery Backup is a Recessed Down Light Can and all Conduit cable connection.

This is IC rated for direct installation; so, mounted cans are not in the ceiling. Its ultra thin profile allows you to quickly install into almost any location with its two pressure fit clips.

The E2 Down Lights are suitable for damp locations and soffit installations, which is perfect for limited space locations.

Offering both Tri Dimming and 0-10V Dimming allows for great installation flexibility.

FEATURES AND STANDARDS:

- Lumen Output 639 to 1278 lumens
- 10W rechargeable battery for 90 mins plus
- Efficacy Up to 71 lm/W
- Input Voltage 120-277V
- Dimmable 0-10V and Tri Dimming
- CCT Select (2700K, 3000K, 3500K, 4000K, 5000K)
- IP Rating IP54 Wet Location
- Size 4- in, 6-in, 8-in
- Warranty 5 Years

APPLICATION:

Premium indoor luminaire for recessed mounting in ceiling spaces. Suitable for general indoor, lobbies, offices, meeting rooms, restrooms, hallways, hospitals, airports, hotels, restaurants and shopping centers.

TESTED DATA:

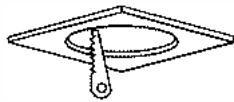
Input Voltage: 120-277V
Input Frequency: 50/60 Hz
Wattage: 4-inch 9W
Wattage: 6-inch Tunable 9W / 16W / 18W
Wattage: 8-inch 9W / 16W / 18W
Power Factor: >0.9
Total Harmonic Distortion (THD): <20%
Operating Temperature: -4°F to 104°F

| Product Number | Wattage | Color | Certifications | Dimmable | Voltage | Lumens | Working Hours | CRI |
|--|----------|------------------|----------------------|------------------------|----------|------------|---------------|-----|
| E2-DL-SLIM-4Inch-9W-27/30/35/40/50K-E G2 | 9W | 2700K/ 3000K/ | ETL & Energy Star | Tri Dimming & 1-10V | 120-277V | 639-1278lm | 50,000 | 80 |
| E2-DL-SLIM-6Inch-9/16/18W-27/30/35/40/50K-E G2 | 9/16/18W | 3500K/ 4000K/ | | | | | | |
| E2-DL-SLIM-8Inch-9/16/18W-27/30/35/40/50K-E G2 | 9/16/18W | 5000K | | | | | | |

Emergency Slim LED Panel

Wiring Diagram

Fig.1



Hole-Cut size

- 4" Opening $\varnothing 4"$ ($\varnothing 101\text{mm}$)
- 6" Opening $\varnothing 6 \frac{5}{8}"$ ($\varnothing 168\text{mm}$)
- 8" Opening $\varnothing 8 \frac{1}{4}"$ ($\varnothing 208\text{mm}$)

Fig.2

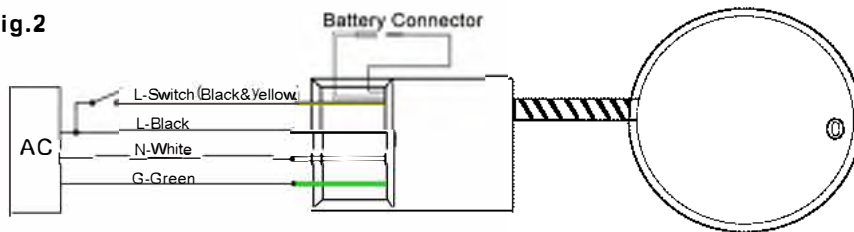
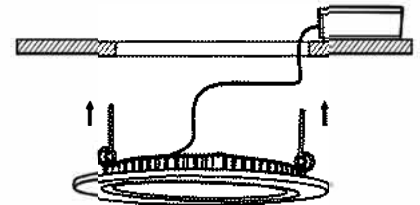


Fig.3



CAUTIONS:

Please read this manual carefully before installing emergency panel.
Please turn off AC power before rewiring and installation.

Ensure that L and N of the panel are properly connected to L and N of the AC power supply!



AC Operation



Test Button & LED Indicator

1. LED Indicator on when EBBU Mode
2. LED Indicator Slow flicker when Charging
3. LED Indicator quick flicker when EBBU issue (self-inspection function)
4. Press down the test button, turn to EBBU Mode
Release the Test Button, Turn To AC Mode



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READ AND FOLLOW ALL SAFETY INSTRUCTIONS.

1. After getting the lamp, do not hurry to install it. Please read the installation and use safety instructions, and install and use the lamp according to the instructions.
2. Before installing, make certain the AC power to the fixture is off.
3. Do not use outdoors.
4. Do not let the lamp touch hot surfaces.
5. Do not mount near gas or electric heaters.
6. Repairs and maintenance must be carried out by qualified personnel
7. In this reminder, do not frequently switch the power supply when the lamp is in use. Since the lamp is frequently started at all times, the current is passed through the light source, Higher than normal working current, making the light source heating violently, thus reducing the service life.



WARNING: RISK OF SHOCK, House electric current can cause painful shock or serious injury unless handled properly.

CAUTION: Turn off the main power at the circuit breaker before installing, in order to prevent possible shock

NEW

E2-DL-SLIM Series

Ultra Slim Recessed Downlight LIGHT

with Color Temp. Tunable **3000K-4000K-5000K**

**IC RATED**

CCT Tunable Dip Switch



RAISED BACKSIDE



Inside wiring

**Hole-Cut Size:**

4 3/4" ± 1/8"

95 ± 3 mm

4"

6 1/2" ± 1/8"

165 ± 3 mm

6"

8" ± 1/8"

205 ± 3 mm

8"

E2-DL-SLIM-4Inch-9W-30/40/50K

SPECIFICATIONS

Sample Catalog No.:E2-P6inch-16W

| Model No. | Wattage | Beam A° | Lumens | Input | CCT Tunable | Dimmable | Trim Color | CRI | Power Factor | Lifespan(hrs) |
|--------------------------------|---------|---------|---------|----------|-------------|----------|------------|-----|--------------|---------------|
| E2-DL-SLIM-4Inch-9W-30/40/50K | 9W | 110° | >630lm | 120-277V | 3000K | Yes | White | 80 | >0.95 | 50,000 |
| E2-DL-SLIM-6Inch-16W-30/40/50K | 16W | 110° | >1120lm | 120-277V | 4000K | Yes | White | 80 | >0.95 | 50,000 |
| E2-DL-SLIM-8Inch-18W-30/40/50K | 18W | 110° | >1260lm | 120-277V | 5000K | Yes | White | 80 | >0.95 | 50,000 |

PRODUCT DESCRIPTION:

The E2 LED Downlight is an Ultra-Thin Recessed Downlight. This is IC rated for direct installation; so, mounted cans are not in the ceiling. Its super thin profile allows you to quickly install into almost any location with its two pressure fit clips. These Downlights are suitable for damp locations and soffit installations, which is perfect for limited space locations.

FEATURES:

- CCT Tunable 3000K, 4000K and 5000K by Dip Switch
- Comes with driver junction box
- Damp rated; suitable for bathroom installations.
- Easy to install, LED light fixture and junction box
- Edge lit technology eliminates hot spots, smooth 3" wide spread, the absolute best in the industry.
- Dimmable with most wall/box dimmers. Approved by ETL Standards for Canada and USA.
- Housing is made from extruded aluminum. Polycarbonate lens, stainless steel locking mechanisms.

APPLICATION:

Home Renovations-Living Room,Hallway, Kitchen & Bathroom,Hotels, Libraries, Offices,Garages, Work Areas.

WARRANTY:

E2 warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish. Please see our complete warranty terms located at www.e2lightingusa.com.

Project Name: _____ Catalog Number: _____

Notes: _____ Fixture schedule: _____

Architectural Down Light With Emergency Battery Backup



5000K 4000K 3500K 3000K 2700K

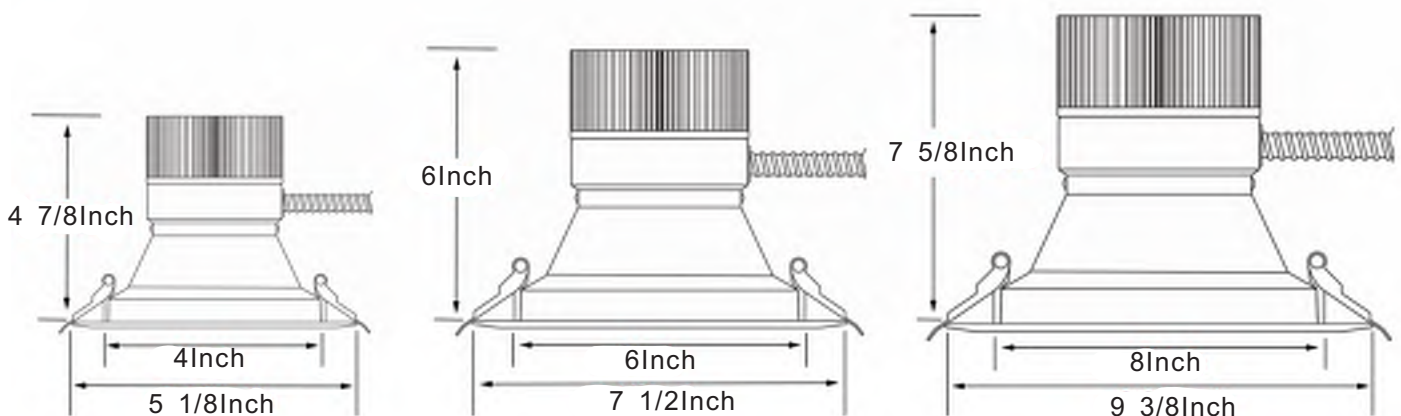
Product Description:

The E2-DL series LED Switchable Commercial Downlight Ideal for school, hospital, retail, office and other retrofit and new construction applications.

Features

1. 4" ,6" & 8" Recessed Emergency downlight
2. AC100-277V input voltage
3. All in one driver CCT & wattage tunable
4. 40W / 30W / 20W & 30K / 40K / 50K
5. 10W Emergency power 1000lm 90mins
6. Battery LiFePo4 technology
7. 0-10V Dim with 12V(for sensor)
8. Aluminum housing and heat-sink
9. ETL & ES certification

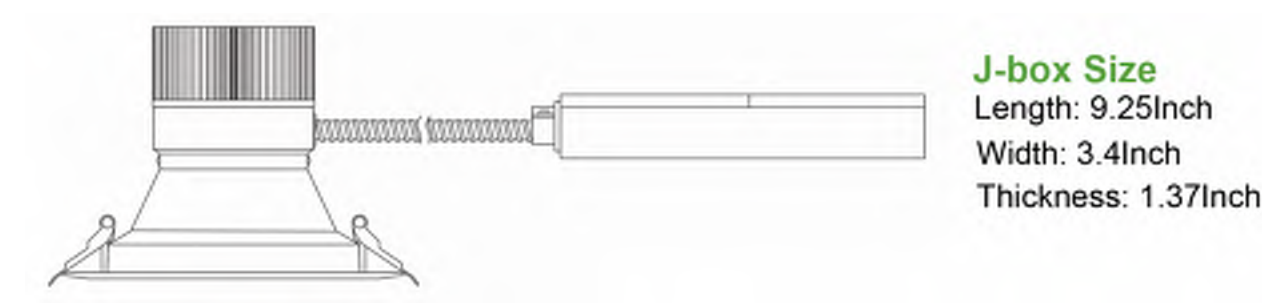
Physical Dimensions



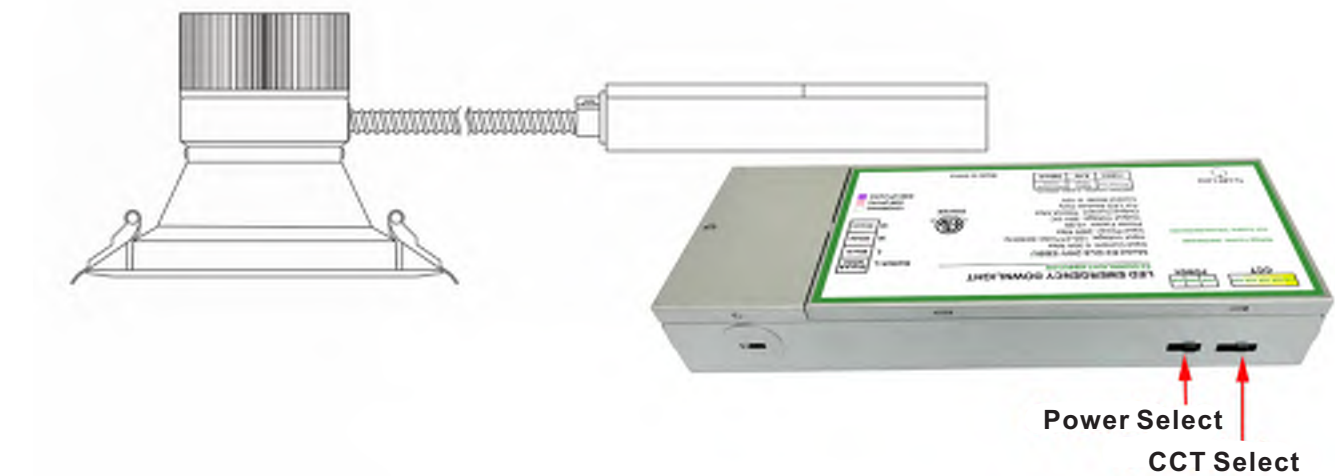
Specifications

| Size | 4INCH | | 6INCH | | | 8INCH | | |
|---------|--------------|-----------------|--------------|-----------------|--------------|--------------|-----------------|--------------|
| Model | E2-DL4-20 | E2-DL4-24E | E2-DL6-40 | E2-DL6-24E | E2-DL6-40E | E2-DL8-40 | E2-DL8-24E | E2-DL8-40E |
| Voltage | AC-100-277V | | | | | | | |
| Power | 10/15/20W | 16/20/24W | 20/30/40W | 16/20/24W | 20/30/40W | 30/40/50W | 16/20/24W | 20/30/40W |
| lumens | 1000-2000 lm | 1600-2400 lm | 1000-2000 lm | 1600-2400 lm | 2000-4000 lm | 3000-5000 lm | 1600-2400 lm | 2000-4000 lm |
| E-Power | NO | 10W | NO | 10W | 10W | NO | 10W | 10W |
| E-Lumen | | 900-1000 lm | | 900-1000 lm | 900-1000 lm | | 900-1000 lm | 900-1000 lm |
| CCT | 30/40/50K | 27/30/35/40/50K | 30/40/50K | 27/30/35/40/50K | 30/40/50K | 30/40/50K | 27/30/35/40/50K | 30/40/50K |
| CRI | >90 | | | | | | | |

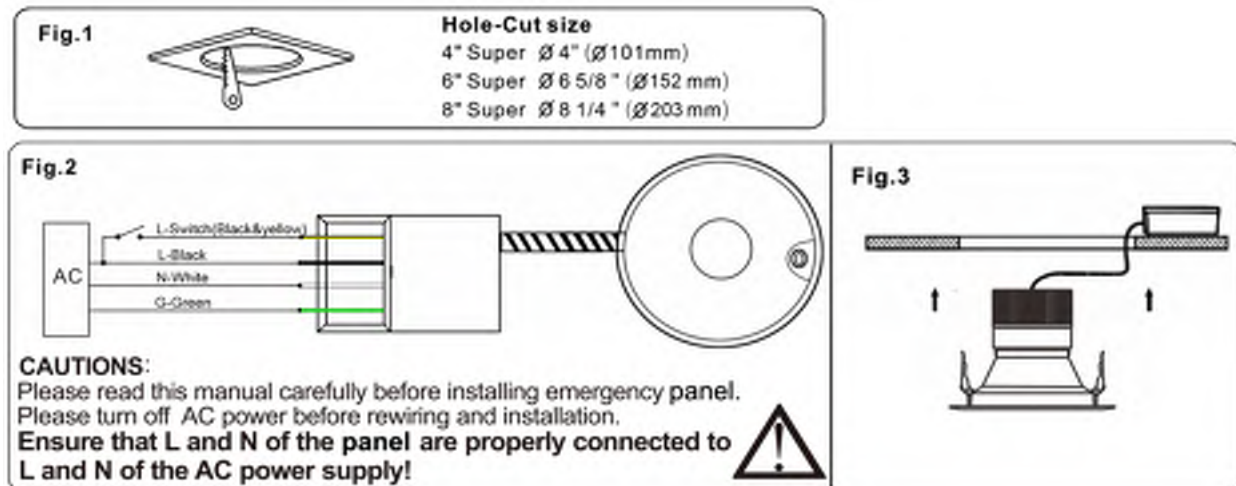
J-Box dimension



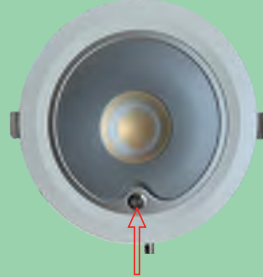
Wattage & CCT Adjustment



Wiring Diagram



AC Operation

| | |
|--|--|
|  <p>Test Button & LED Indicator</p> | 1. LED Indicator on when EBBU Mode |
| | 2. LED Indicator Slow flicker when Charging |
| | 3. LED Indicator quick flicker when EBBU issue (self-inspection function) |
| | 4. Press down the test button, turn to EBBU Mode Release the Test Button, Turn To AC Mode |

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

READ AND FOLLOW ALL SAFETY INSTRUCTIONS.

1. After getting the lamp, do not hurry to install it. Please read the installation and use safety instructions, and install and use the lamp according to the instructions.
2. Before installing, make certain the AC power to the fixture is off.
3. Do not use outdoors.
4. Do not let the lamp touch hot surfaces.
5. Do not mount near gas or electric heaters.
6. Repairs and maintenance must be carried out by qualified personnel.
7. In this reminder, do not frequently switch the power supply when the lamp is in use. Since the lamp is frequently started at all times, the current is passed through the light source, Higher than normal working current, making the light source heating violently, thus reducing the service life.



WARNING: RISK OF SHOCK,House electric current can cause painful shock or serious injury unless handled properly.

CAUTION: Turn off the main power at the circuit breaker before installing ,in order to prevent possible shock

Notes: _____ Fixture schedule: _____

E2-VP-4-32/40/50W-35/40/50K-E



ETL CLASSIFIED



S=Sensor

E=EBBU

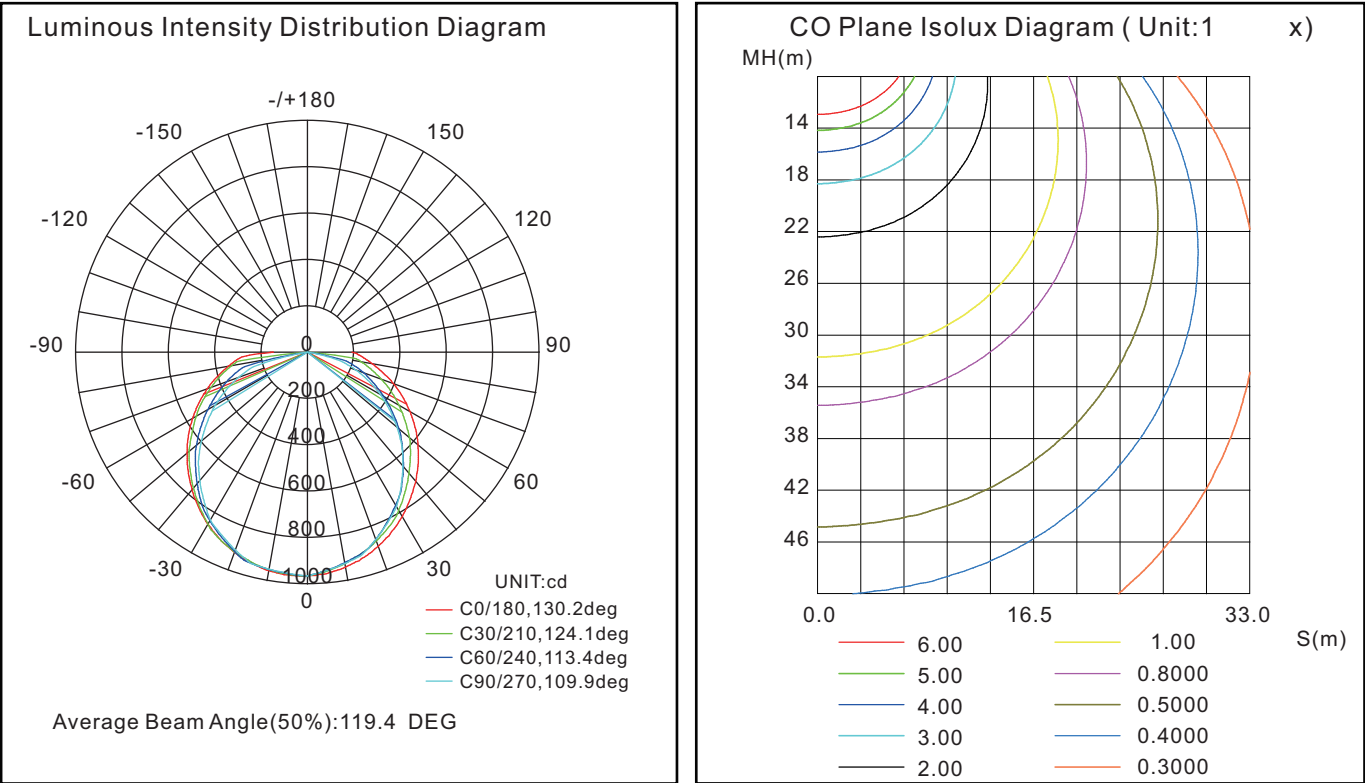
E2 Lighting's Non Cut-Off Wall Pack is a highly efficient, multi-function fixture that provides a long-lasting and energy saving lighting solution. This fixture is equipped with Internal CCT color temperature and wattage tunable switch. The rugged housing offers advanced thermal management and protection against outdoor environments without compromising aesthetics.

- ETL/CETL/DLC certificate.
- Pre-wired 10W Emergency Battery with Indicator Push button.
- 1250lm in battery mode for 90 mins.
- Wet location rated Ip65.
- PC and aluminum housing.
- CCT tunable.
- UV-resistant polycarbonate refractor lens.

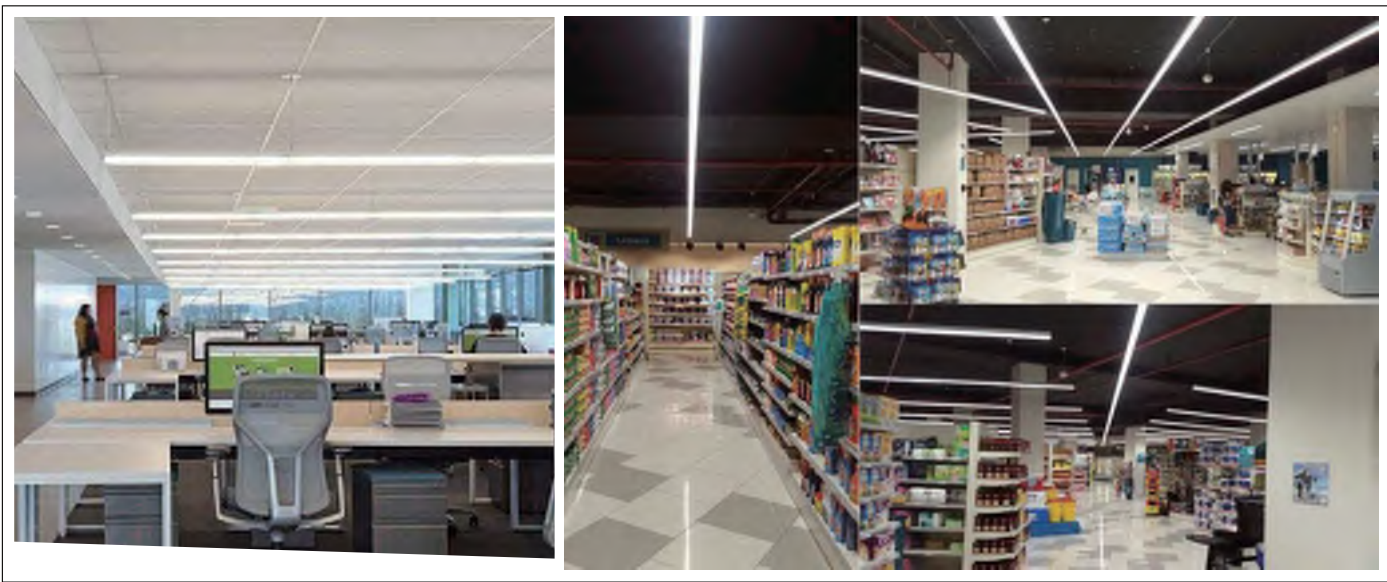
| Model | L×W×H |
|-------------------------------|-------------------------------------|
| E2-VP-4-32/40/50W-35/40/50K-E | 1200x110x88 (mm)/ 47.2"x3.86"x3.46" |

| Part No. | Power | Input Voltage | Luminous Flux | Luminous Efficacy | CCT | Viewing Angle | Ra | PF | Warranty |
|--------------------|-------|---------------|---------------|-------------------|-------------------------|---------------|-----|------|----------|
| E2-VP-4-50W-3CCT-E | 30W | AC100-277V | 3750lm | 125lm/W | 3500K 4000K 5000K | 120° | >80 | >0.9 | 5Years |
| | 40W | | 5000lm | | | | | | |
| | 50W | | 6250lm | | | | | | |

Testing Report



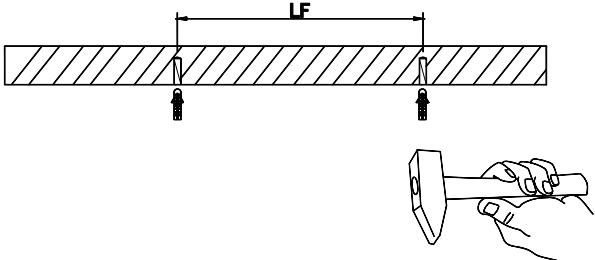
Applications



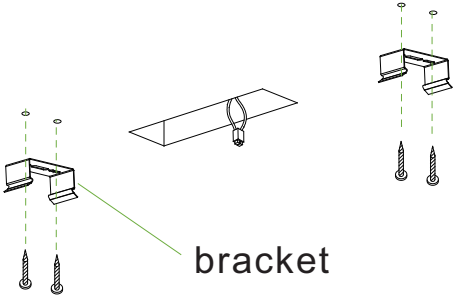
Installation manual

A. Surface-mounted installation

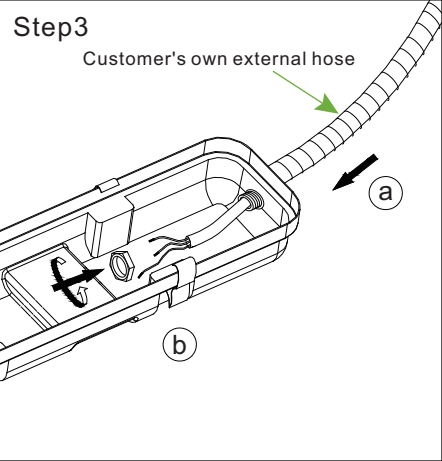
Step1.Punch a hole on the wall and put the expansion tube inside.



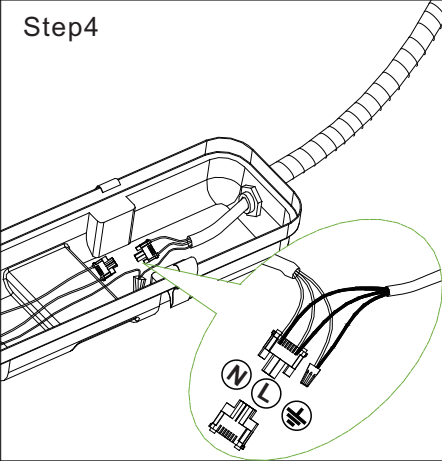
Step2. fix the buckles in parallel by screws with distance



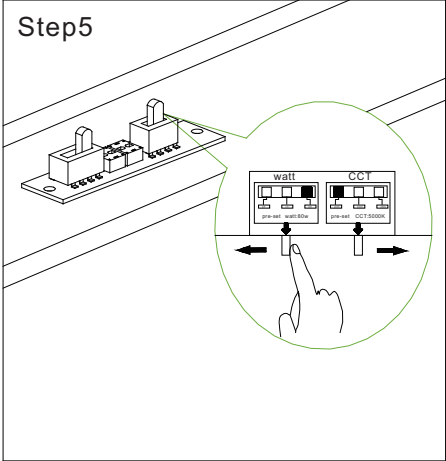
Step3
Customer's own external hose



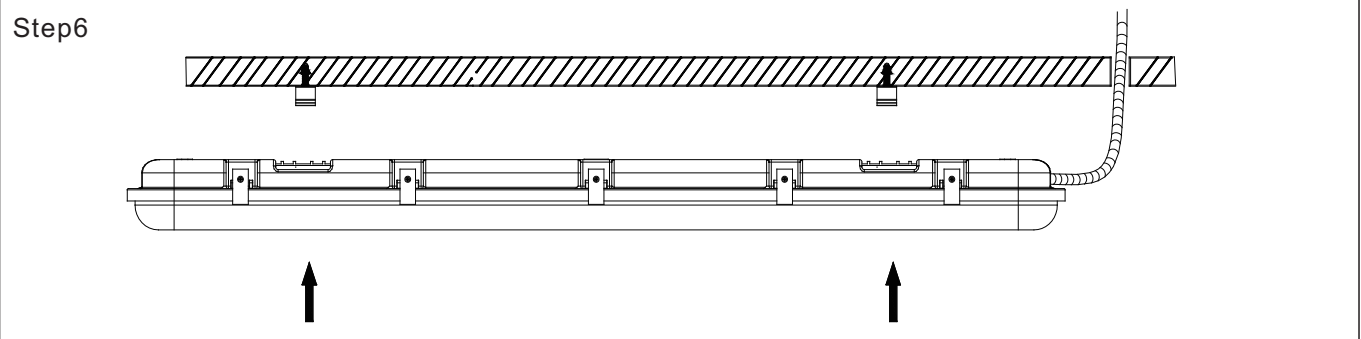
Step4



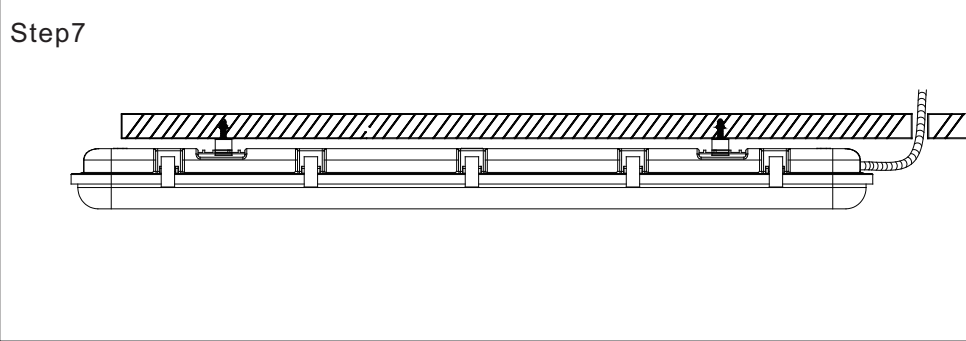
Step5



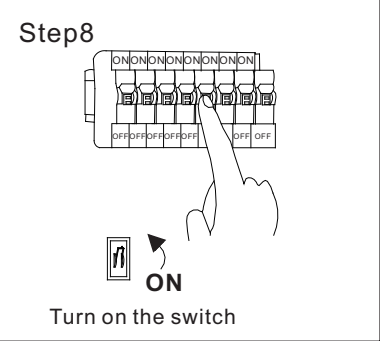
Step6



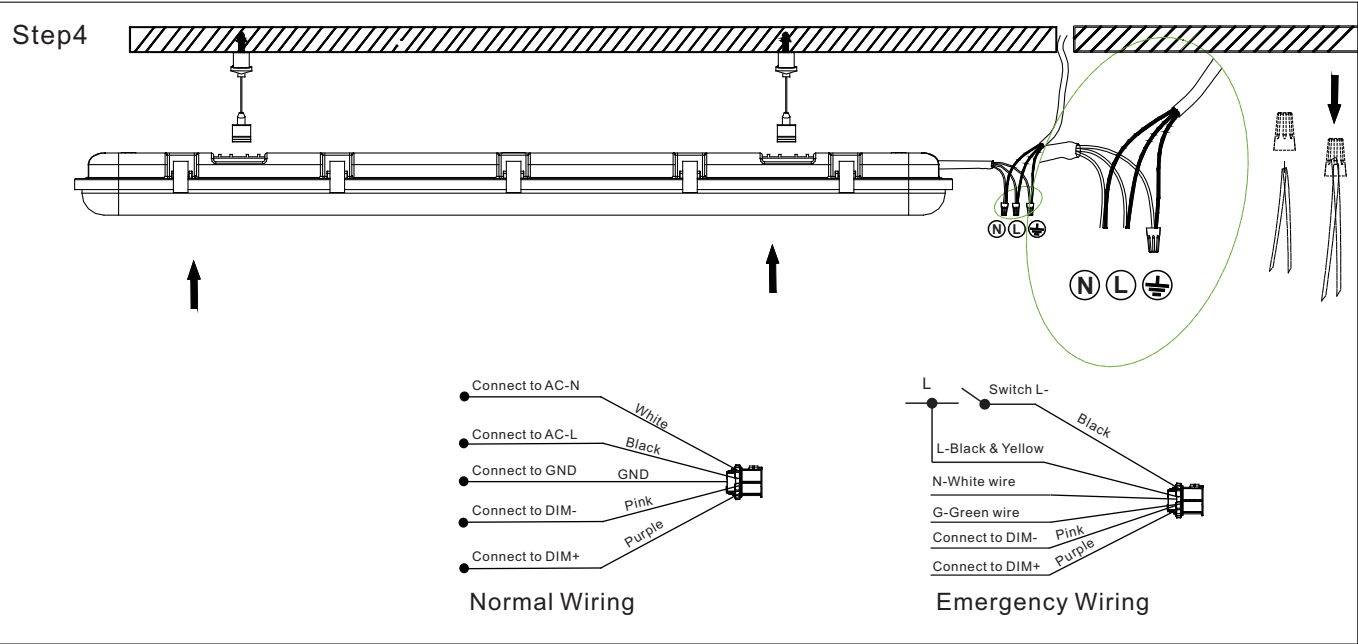
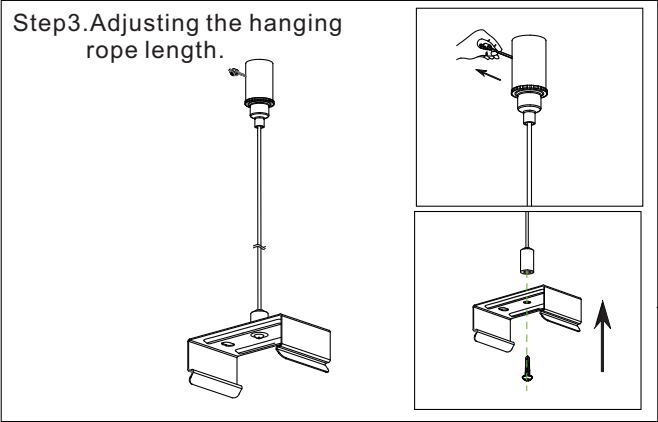
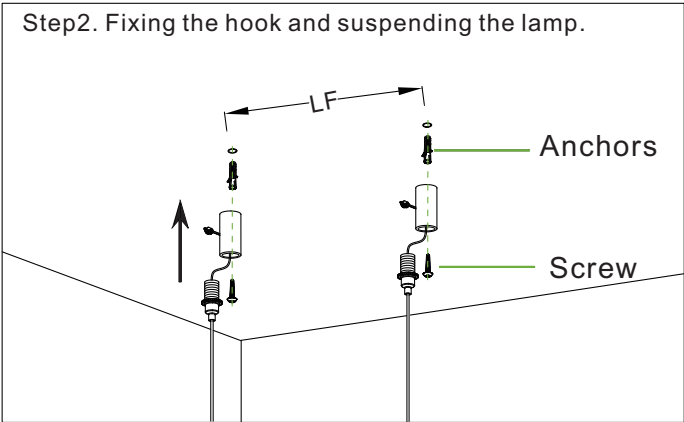
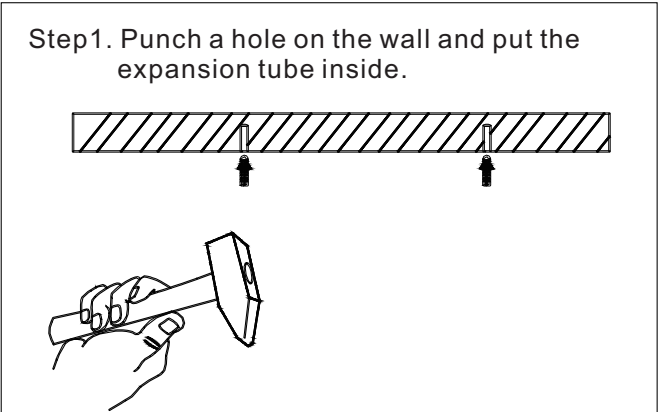
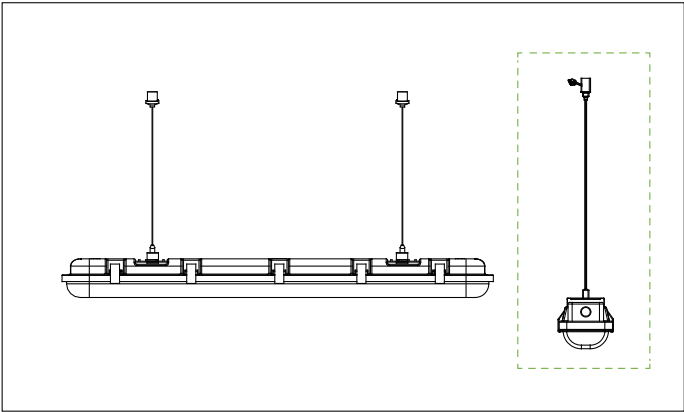
Step7

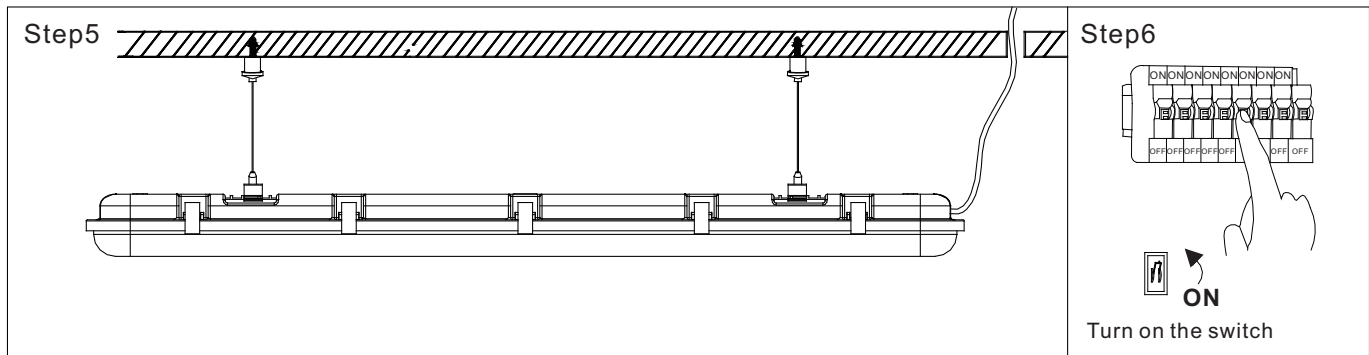


Step8



B. Suspending installation





Important

Read this instruction carefully before installation. Keep it for further reference.
Make electrical and grounded connections in accordance with the national electrical code and any applicable code. Always turn off the power supply before installation.
This product must be installed in accordance with the applicable installation code by a qualified electrician who is familiar with the construction and operation of the product and the hazards involved.

WARNING



Risk of fire or electric shock. Fixture installation requires knowledge of luminaires electrical systems.

If not qualified, DO NOT attempt installation. Contact a qualified electrician.



Risk of fire or electric shock. Suitable for wet locations. Always turn off the power supply before installation.



Risk of fire or electric shock. Suitable for non-insulated surface and frame. DO NOT cover fixture with insulation liner or similar material.



DO NOT install fixture on unstable, loose or easily breakable surface.



DO NOT exert force on the surface of the fixture.

Note

1. The installation and maintenance must be completed by electricians or professionals.
2. Please cut off the power before installation and maintenance.
3. The thermally insulating material is not allowed to cover the fixture.
4. Please keep away from the corrosive substance, and keep the fixture dry and clean.
5. Working temperature: $-4^{\circ}\text{F} \sim 113^{\circ}\text{F}$, storage temperature: $-22^{\circ}\text{F} \sim 140^{\circ}\text{F}$.

LED Emergency Driver



Model Name E2-EBBU-10W

Output Model Constant Current

Input Voltage 120-277 Vac

Input Frequency 50/60 Hz

Dimming N/A

Surge Rating 3KV

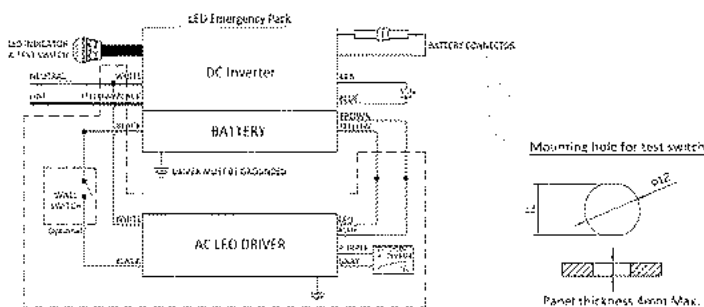
Warranty 5 Years

Product Specification



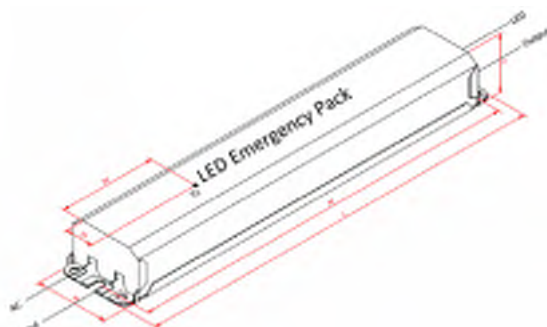
| Output Power (W) | Output Voltage (V) | Output Current (mA) | Operating Duration Time | Battery Voltage (V) | Battery Charge Current (mA) | Battery Charge Time | Input Power | Input Current (mA) |
|------------------|--------------------|---------------------|-------------------------|---------------------|-----------------------------|---------------------|-------------|--------------------|
| Max. 10 | 15-55 | 181 | Min. 90min | 9.4 | Max. 185 | Max. 24Hrs | Max. 4 | Max. 60 |

Wire Diagram



Maximum Wiring Distance (at full load) is 18AWG/18Feet

Enclosure



| Lead Length | Inch | Cm |
|---------------------------|-------|------------|
| Black | 5.9 | 15 |
| White | 22.04 | 56 |
| Yellow/Black | 19.29 | 49 |
| Red | 25.98 | 66 |
| Blue | 25.98 | 66 |
| Yellow | 32.28 | 82 |
| Brown | 32.28 | 82 |
| Battery Connector | 33.07 | 84 |
| Test Switch LED INDICATOR | 25/6 | 63.5/15.24 |

| Enclosure | Inch | Cm |
|-------------|------|------|
| Length(L) | 9.5 | 24.1 |
| Width(W) | 1.7 | 4.3 |
| Height(H) | 1.14 | 2.9 |
| Mounting(M) | 8.9 | 22.6 |

Revised 2019/07/26

LED Emergency Driver

Input Specifications

| Parameter | Min. | Typ. | Max. | Notes |
|-----------------|------|----------|-------|------------------------------|
| Input Voltage | 108V | 120/277V | 305V | |
| Input Current | - | - | 0.06A | @120Vac input with full load |
| Input Frequency | 47Hz | 60Hz | 63Hz | |
| Leakage Current | - | - | 0.7mA | @277Vac input |
| Turn On Time | - | - | 1.0s | @120Vac input at full load |
| Hold Up Time | - | - | 0.1s | @Nominal input and full load |
| Efficiency | 83% | 83% | 87% | @55Vdc output at full load |
| Standby Power | - | - | 4W | |

Output Specifications

| Parameter | Min. | Typ. | Max. | Notes |
|------------------------|-------|-------|-------|------------------------|
| Output Voltage | 15V | - | 55V | |
| Output Current | - | 181mA | - | |
| Battery Charge Current | | 185mA | | LiFePO4, 6.4V, 3300mAh |
| Battery Voltage | | 6.4V | | |
| Battery Charge Time | | | 24Hrs | |
| Emergency Operation | 90min | | | |
| No-Load Output Voltage | 65V | 63V | 68V | |
| Rated Current | 171mA | 181mA | 190mA | |
| Rated Power | - | 10W | - | |
| Line Regulation | - | - | ±5% | |
| Output Current Ripple | - | ±10% | - | |

General Specifications

| Parameter | Min. | Typ. | Max. | Notes |
|---------------|--------------|---------------|------|--|
| MTBF | - | 100,000 Hours | - | @25°C ambient temperature |
| Lifespan Time | 75,000 Hours | - | - | In the range of specification required by normal use of the power supply at ambient temperature 55°C |
| Cold Start | - | - | 1.0s | @0°C |

LED Emergency Driver

Protection

| Parameter | Description |
|------------------|--|
| Over Voltage | Output current decade mode, recovers automatically after fault condition is removed. |
| Short Circuit | Hiccup mode, recovers automatically after fault condition is removed. |
| Over Temperature | Shut down o/p voltage, re-power on to recover. |

Environmental Specifications

| Parameter | Min. | Typ. | Max. | Notes |
|-----------------------|-------|------|------|-------|
| Operation Temperature | 0°C | - | 55°C | |
| Storage Temperature | -20°C | - | 55°C | |
| Humidity | 10% | - | 90% | |
| T-Case Temperature | - | - | 70°C | |

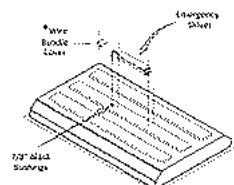
| High Temperature Durability | Switch ON/OFF Test |
|--|--|
| Power storage environment at 80°C 24hours, will not damage the electrical, mechanical properties and also not cause other adverse reactions. | Power at ambient temperature 25°C 1s/on, 1s/off, last up to 10,000 cycles, will not damage the electrical ,mechanical properties and also not cause other adverse reactions. |

Safety and EMC Compliance

| Safety Standards | Withstand Voltage | Isolation Resistance | EMC Standards | |
|-----------------------------------|---|--|---|-------------------------------|
| UL 924 CSA C22.2 No. 141-15 | I/P-O/P: 2.0K Vac I/P-FG: 2.0K Vac O/P-FG: 0.5K Vac | I/P-O/P: I/P-FG: O/P-FG: 100Mohm/500VDC | EMI | EMS |
| | | | FCC Part 15 class A UL924 CSA C22.2 No. 141-15 | FCC Part 15 class A UL 924 |

Note

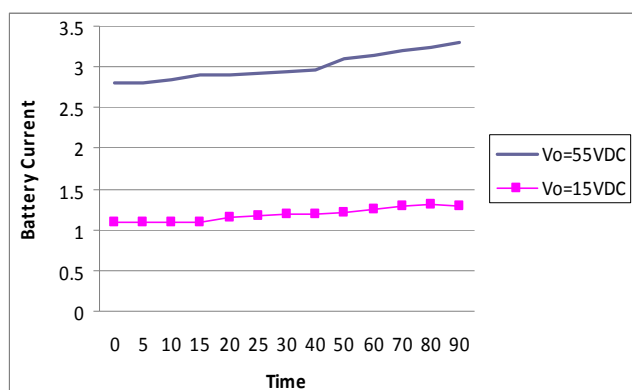
- The product is able to working with AC driver @8A maximum current.
- The emergency backup driver shall be installed inside an electrical enclosure. If the application requires the emergency pack to be mounted on top of the luminaire please use Model which provides a metal flexible conduit instead of bare wires.



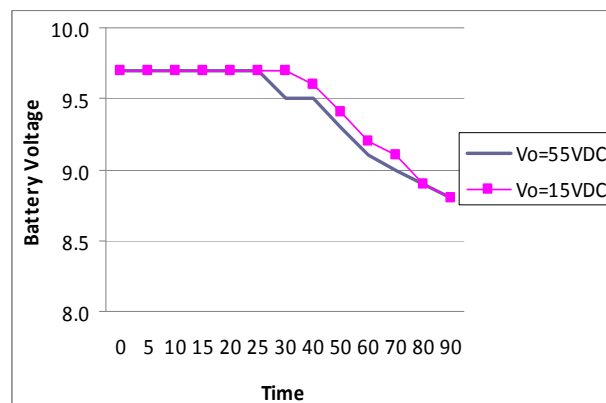
Revised 2019/07/26

LED Emergency Driver

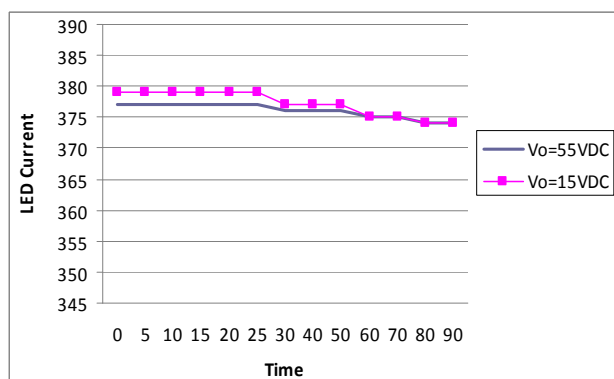
Battery Current V.S. Time



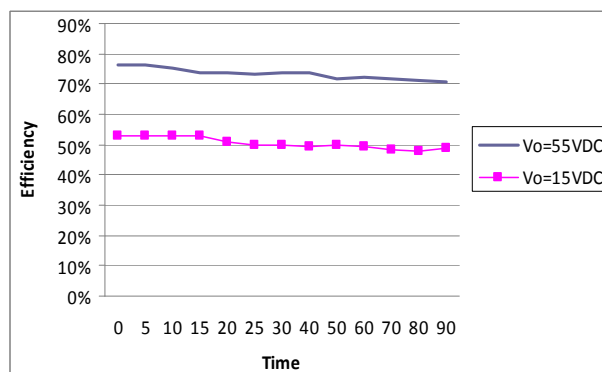
Battery Voltage V.S. Time



LED Current V.S. Time



LED Efficiency V.S. Time



Data is based upon tests performed by Antron Electronics in a controlled environment and representative performance. Actual performance can vary depending on operating conditions. Specifications are subject to change without notice. All specifications are nominal unless otherwise noted.

Revised 2019/07/26

Project Name: _____ Catalog Number: _____

Notes: _____ Fixture schedule: _____

LED Emergency T8 Tube

NEW



Product Description:

E2's LED emergency driver products are the most efficient and convenient in the industry, consuming the least amount of energy in retrofit applications. The T8 LED tube's unique technology enables the use of an emergency battery pack built into the LED tube. This allows the tube to be powered on at 60% brightness when the electricity supply is cut off. This is one of the easiest and most convenient ways to replace a fluorescent system with an emergency ballast. The tube itself contains a 90-minute battery pack. ETL listed, DLC Standard listed and RoHS compliant.

Features

- Emergency battery backup for 90 mins or 1.5 hrs
- 3W battery will yield 384lm, 8W battery will yield 1,024lm
- Test button and indicator lights for power, battery charging, motion sensor and malfunctioning in line with fire protection standards
- Internally isolated LED driver
- Built-in lithium batteries with over-charging and over-discharging protection (800x charge and discharge cycle lifespan)
- Double-Ended power bypass connectivity (default)
- Single-Ended power is an available model option
- Light output greater than 128 lm/W
- ETL and DLC® Standard 5.0
- 50,000 Hours L70 Lifespan
- 5 year limited warranty

Specifications

| Product Number | Wattage | Color | Certifications | Dimmable | Voltage | Lumens | Working Hours | CRI | | |
|--------------------|---------|-------|----------------|----------|------------|---------|---------------|------|--|--|
| E2-T8-4ft-18W-EBBU | 18W | 3500K | ETL | No | AC100-277V | 2319 lm | 50,000hrs | 80Ra | | |
| E2-T8-2ft-9W-EBBU | 9W | 4000K | ETL & DLC® | | | 1152lm | | | | |
| | | 5000K | Standard | | | | | | | |

The dimming feature is only available with the integration of a microwave or PIR motion sensor.

Tested Data

| | | | | | |
|------------------------|---|-----------------|---------------|--------------|---------------------------|
| Technical requirements | 5.0 | Classification | Standard | Light Output | 2319 lm |
| CCT | 3500K,4000K,5000K | Input Wattage | 9W and 18W | Efficacy | >120lm/W |
| Input Voltage | AC100-277V | Power Factor | 0.9 | CRI | 80 |
| Working Environment | -4°F-149°F | Lens | Polycarbonate | Frequency | 50-60HZ |
| Dimming Compatible | No | Beam Angle | 220° | IP Rating | IP44 |
| Base Type | Medium Bi-Pin G13 | Mercury Content | No Hg | THD | <20% |
| Application | Double-Ended Bypass (Default) Singled end (Option) | Dimensions | 4ft - 2ft | Weight | 0.8 lbs-4ft 0.6lbs-2ft |

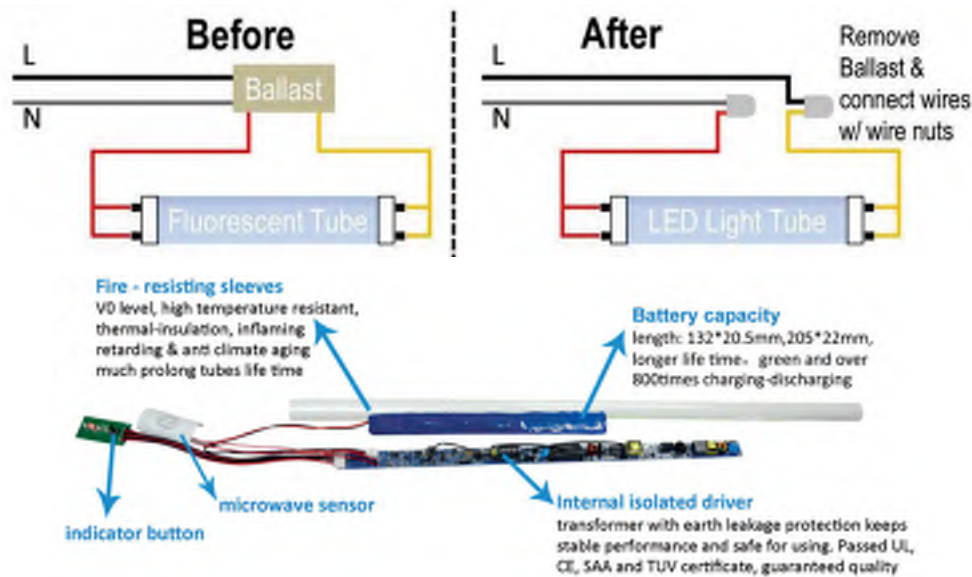
Project Name: _____ Catalog Number: _____

Notes: _____ Fixture schedule: _____

Wiring Diagram

Schematics of Bypassing Ballast

- ✓ Remove Ballast & Re-wire Correctly
- ✓ Ensure the light Tube is Dual-End Powered



- Please read this manual carefully before installing emergency tube.

Warning:

Battery maintenance instruction:

Once a month, emergency tubes need to charge and discharge at least one time in order to ensure better battery performance.

Installation instruction:

This product must be installed by a qualified electrician in accordance with the applicable installation code.

Operation temperature: -20°C(-4°F) to 65°C(149°F)

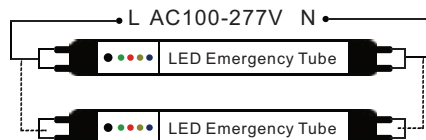
Charging temperature: 0°C(32°F) to 45°C(113°F)

Installation instruction


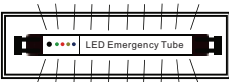
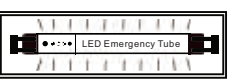
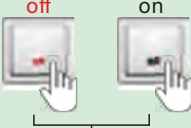
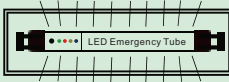
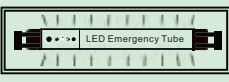
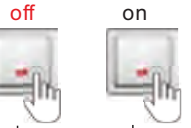
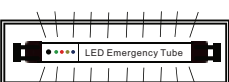
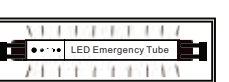
IMPORTANT: Rewiring fixture according to the AC input instructions below.

- Please turn off main power before rewiring and installation


Double sides input-Installation for rewiring



Operation

| | | | |
|---|---|--|---|
| Start (First time connected with AC power) |  Turn on main power and switch |  Tube works with full power battery is charging |  If power fails Emergency function turns on 3W, 384 lm or 8W at 1024 lm output Duration: 90mins |
| Turn on |  Finish 2 steps in 3 seconds Click wall switch 2 times (off-on) within 3 seconds Discharge method once a month when lights are switch on and off during business hours. |  Tube works with full power battery is charging |  If power fails Emergency function turns on 3W, 384 lm or 8W at 1024 lm output Duration: 90mins |
| Turn off |  Finish 2 steps in 3 seconds Click wall switch 2 times (off-on) within 3 seconds |  Tube works with full power battery is charging |  If power fails Emergency function turns on 3W, 384 lm or 8W at 1024 lm output Duration: 90mins |

Start up and shut down emergency function system

| | Shut down | Start up |
|--|---|--|
| Option1 |  Finish 3 steps in 2 seconds Click the wall switch 3 times (off-on-off) within 2 seconds Emergency function system shuts down | as long as emergency tube is connected with AC power, click the wall switch, emergency function system starts up. |
| Option2 | When emergency function turns on, press "Test button" 3 times within 2 seconds, emergency function system shuts down. | When emergency function system shuts down, press "Test button" 3 times within 2 seconds, emergency function Starts up. |
| Notice: When emergency functions turns on(power cut), Press "Test button" 3 times within 2 seconds to shut down emergency function system, battery storage time can up to 12 months. | | |



Test button: Press test button, tube will enter emergency status

Green lamp on: AC power (AC100-277V) connected

Red lamp on: Battery is charging, it will be turned off when full charged

Yellow lamp on: Tube is on malfunction (Please call retailer when yellow light turns on)

Blue lamp on: Sensor is working

PROJECT NAME: _____ CATALOG NUMBER: _____

NOTES: _____ FIXTURE SCHEDULE: _____

E2-EM-AFY-15W-170VDC 15W EMERGENCY DRIVER

NEW



Self-Test:

The emergency LED driver contains a control/monitor circuit which will perform a 30-second discharge test once a month and a fully discharge test once a year. At this time, the unit will simulate an AC power failure and automatically switch to emergency mode. During routine testing, the unit will monitor the operation of the LED load, battery voltage and emergency duration. If the unit detects any problems, the indicator will flash quickly.

Indicator Light:

- AC operation, indicator light will keep on.
- Emergency operation, indicator light will flash slowly (light will turn on for 2 seconds, light will turn off for 2 seconds).
- In a failure, indicator light will flash quickly (light will turn on for 0.2 seconds and off for 0.2 seconds).

Test Switch:

- In AC operation, press the test button for 30 seconds emergency test.
- In AC operation, press the test button twice within 2 seconds, until emergency battery is fully discharged. In emergency operation, press the test button once, this will turn off both the emergency, the lamp and indicator light will go out at the same time.

PRODUCT DESCRIPTION:

E2 Lighting's 15W emergency driver, enables normal and emergency operation that can maintain illumination of an LED fixture for a minimum of 90 minutes in the event of a power loss. When AC power is restored, the driver automatically returns to charging mode. Also includes a test button and button installation faceplate.

FEATURES AND STANDARDS:

- Self-testing
- Battery: over temperature protection
- Low energy consumption CEC Title 20 compliant
- Constant output power
- High output voltage
- Listed to UL 924 and tested to CSA 22.2 NO. 141 field or factory installation
- UL listed for US and Canada

APPLICATION:

Suitable for the use with LED panels with an internal driver, including high-bay lights, commercial downlights, and other LED fixtures.

TESTED DATA:

- Model - E2-EMAFY15-170
- Emergency Power - 15W
- Input Voltage - 100-347Vac, 50/60Hz
- Input Current - 200mA max
- Input Power Rating - 12W max
- Output Voltage - 170Vdc
- Recharge Time - 24 hours
- Discharge Time - 90 minutes
- Battery - Li-ion
- Ambient Temperature - 0°C to 50°C (32°F to 122°F)
- Weight - 2.66lbs
- Warranty - 5 years limited

PRODUCT DIMENSIONS: 12.32" X 2.32" X 1.48"

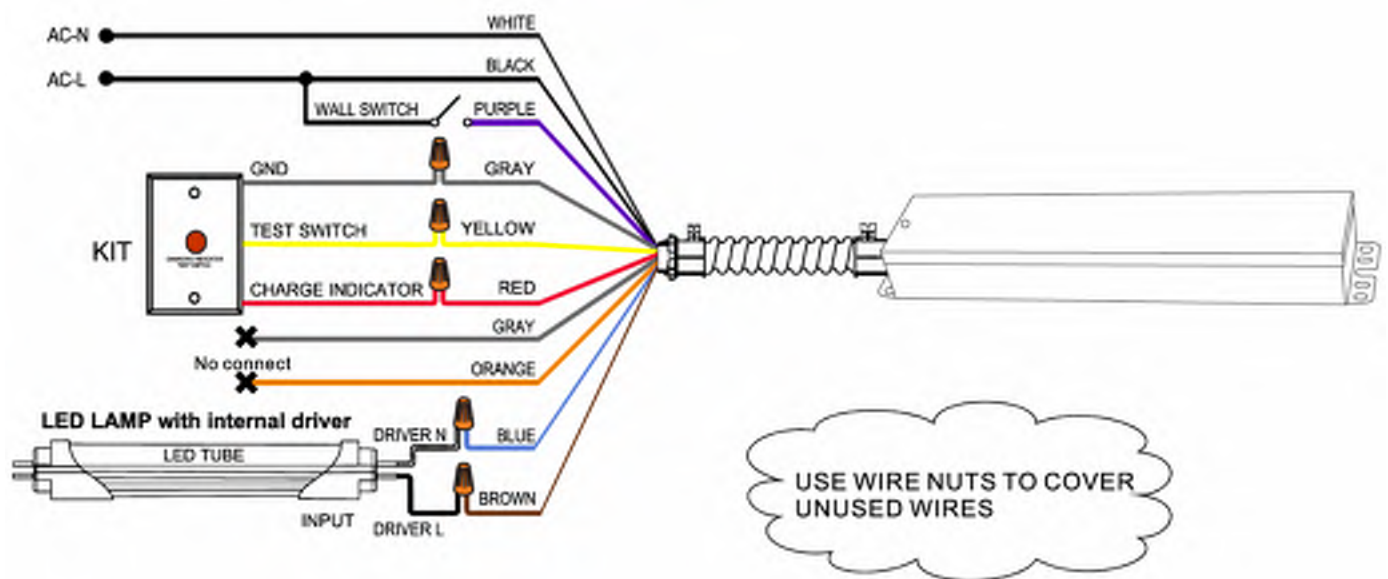


E2-EM-AFY-15W-170VDC LED EMERGENCY DRIVER

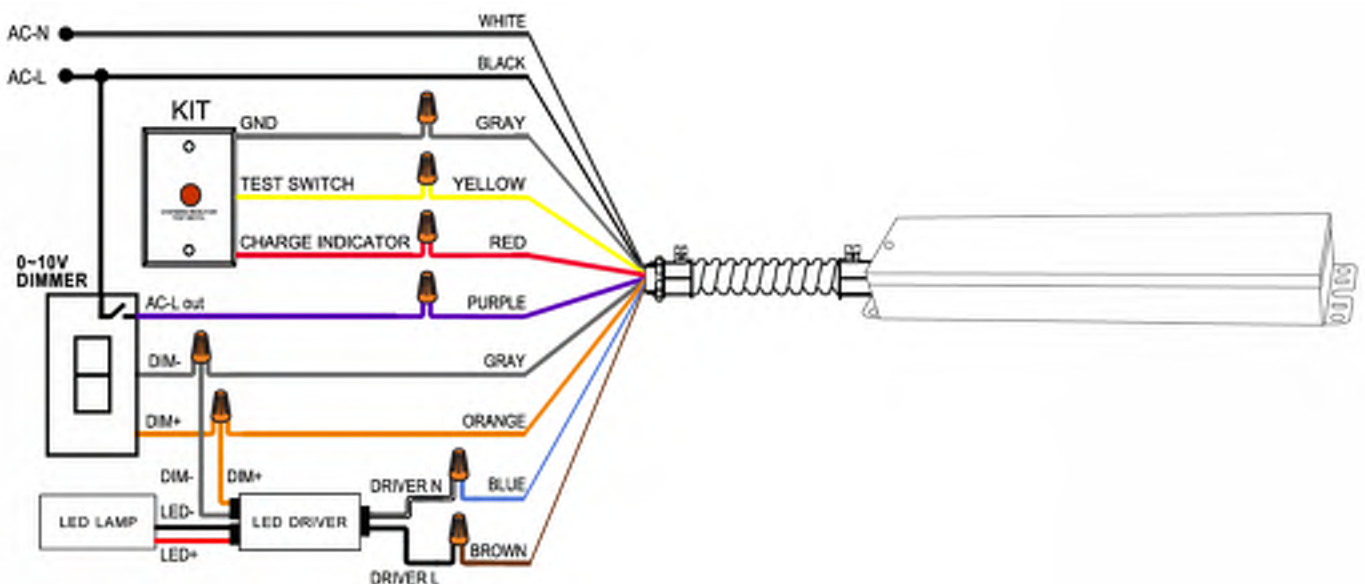
Wiring Diagram Caution:

- During AC operation, do not touch or remove any wires in case of electric shock.
- During emergency operation, before disconnecting the wires, remember to press the test button again to make the LED lamp and indicator light turn off to avoid electric shock.
- The voltage input to the dimmable wires (DIM+, DIM-) of emergency LED driver must be less than 20Vdc.
- This model works best with LED lamps 150W or less.
- This emergency LED driver only works with LED lamps that have a dimmable function.

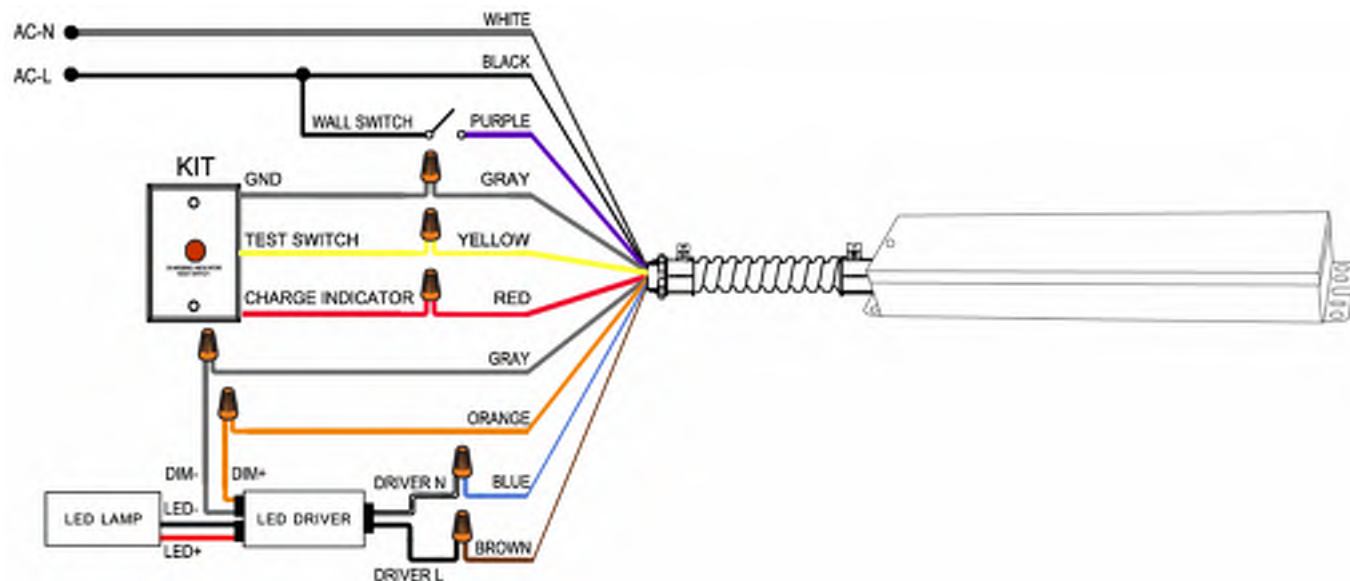
NORMAL: When the LED driver power is less than the emergency power.



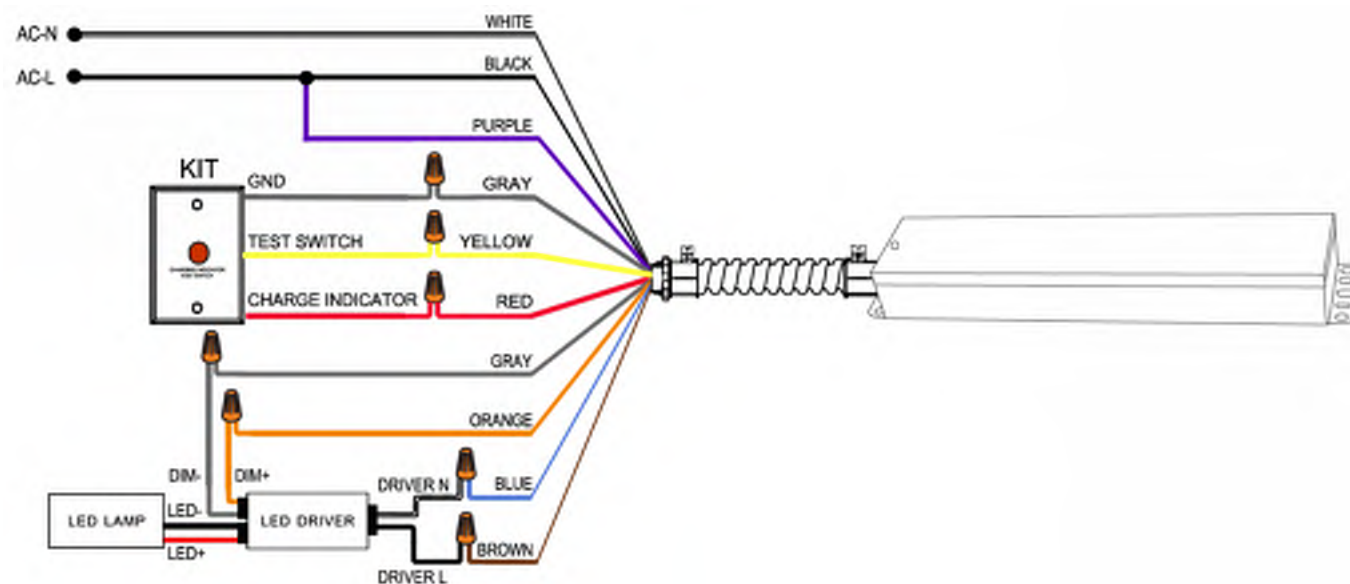
WITH DIMMER: When the LED driver power is more than the emergency power



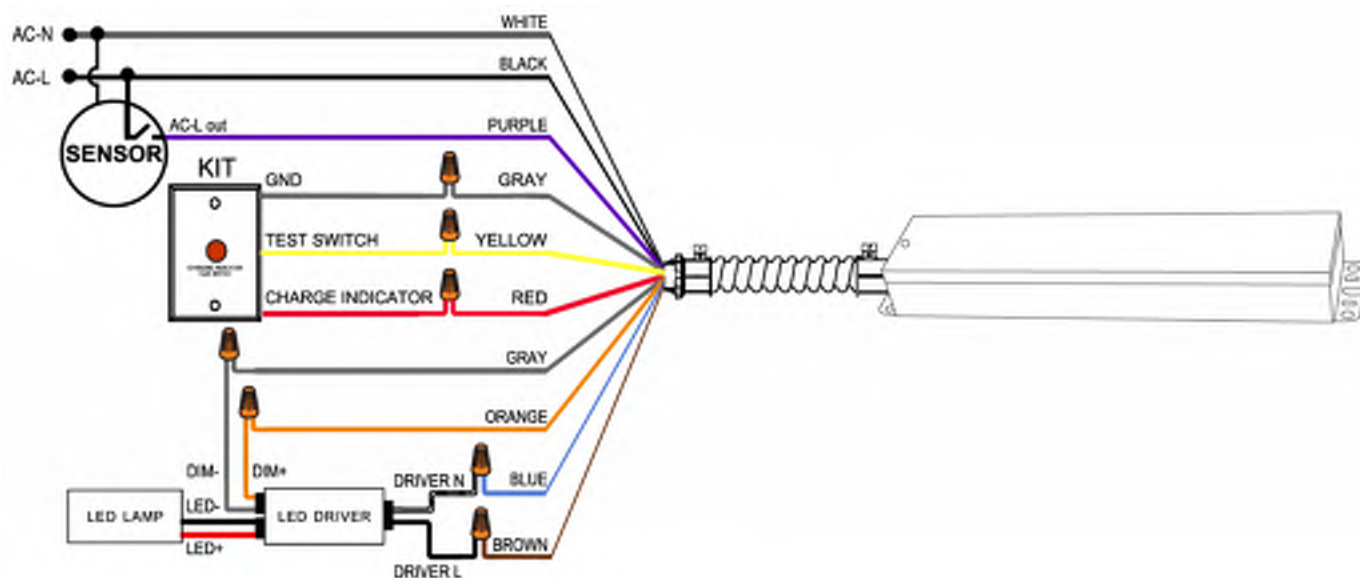
WITH WALL SWITCH:



WITHOUT SWITCH OR DIMMER:



WITH SENSOR:



PROJECT NAME: _____ CATALOG NUMBER: _____

NOTES: _____ FIXTURE SCHEDULE: _____

E2-EM-AFY-25W-170VDC 25W EMERGENCY DRIVER

NEW



Self-Test:

The emergency LED driver contains a control/monitor circuit which will perform a 30-second discharge test once a month and a fully discharge test once a year. At this time, the unit simulate an AC power failure and automatically switch to emergency mode. During routine testing, the unit will monitor the operation of the LED load, battery voltage and emergency duration. If the unit detects any problems, the indicator will flash quickly.

Indicator Light:

- AC operation, indicator light will keep on.
- Emergency operation, indicator light will flash slowly (light will turn on for 2 seconds, light will turn off for 2 seconds).
- In a failure, indicator light will flash quickly (light will turn on for 0.2 seconds and off for 0.2 seconds).

Test Switch:

- In AC operation, press the test switch or the button A on the remote control once, emergency for 30 seconds.
- In AC operation, press the test switch of the button A on the remote control twice within 2 seconds, emergency until battery is fully discharged.
- In emergency operation, press the test switch once or the button A on the remote control once, this will turn off both the emergency, the lamp and indicator light will go out at the same time.

PRODUCT DESCRIPTION:

E2 Lighting's 25W emergency driver, enables normal and emergency operation that can maintain illumination of an LED fixture for a minimum of 90 minutes in the event of a power loss. When AC power is restored, the driver automatically returns to charging mode. Also includes a test button and button installation faceplate.

FEATURES AND STANDARDS:

- Self-testing
- Battery: over temperature protection
- Low energy consumption CEC Title 20 compliant
- Constant output power
- High output voltage
- Listed to UL 924 and tested to CSA 22.2 NO. 141 field or factory installation
- UL listed for US and Canada

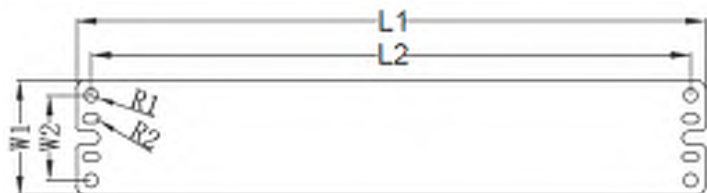
APPLICATION:

Suitable for the use with LED panels with an internal driver, including high-bay lights, commercial downlights, and other LED fixtures.

TESTED DATA:

- Model - E2-25WACEMD
- Emergency Power - 25W
- Input Voltage - 100-347Vac, 50/60Hz
- Input Current - 200mA max
- Input Power Rating - 12W max
- Output Voltage - 170Vdc
- Recharge Time - 24 hours
- Discharge Time - 90 minutes
- Battery - Li-ion
- Ambient Temperature - 0°C to 50°C (32°F to 122°F)
- Weight - 2.66lbs
- Warranty - 5 years limited

PRODUCT DIMENSIONS: 12.32" X 2.32" X 1.48"



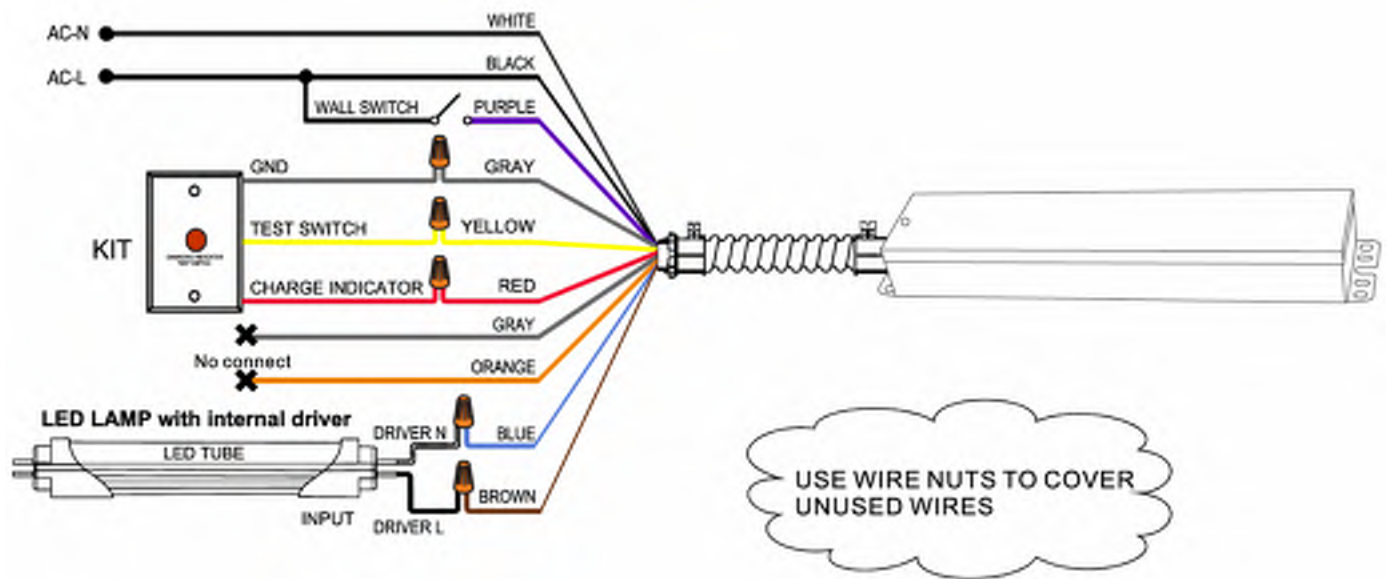
E2-25W LED EMERGENCY DRIVER

Page: 2 of 2

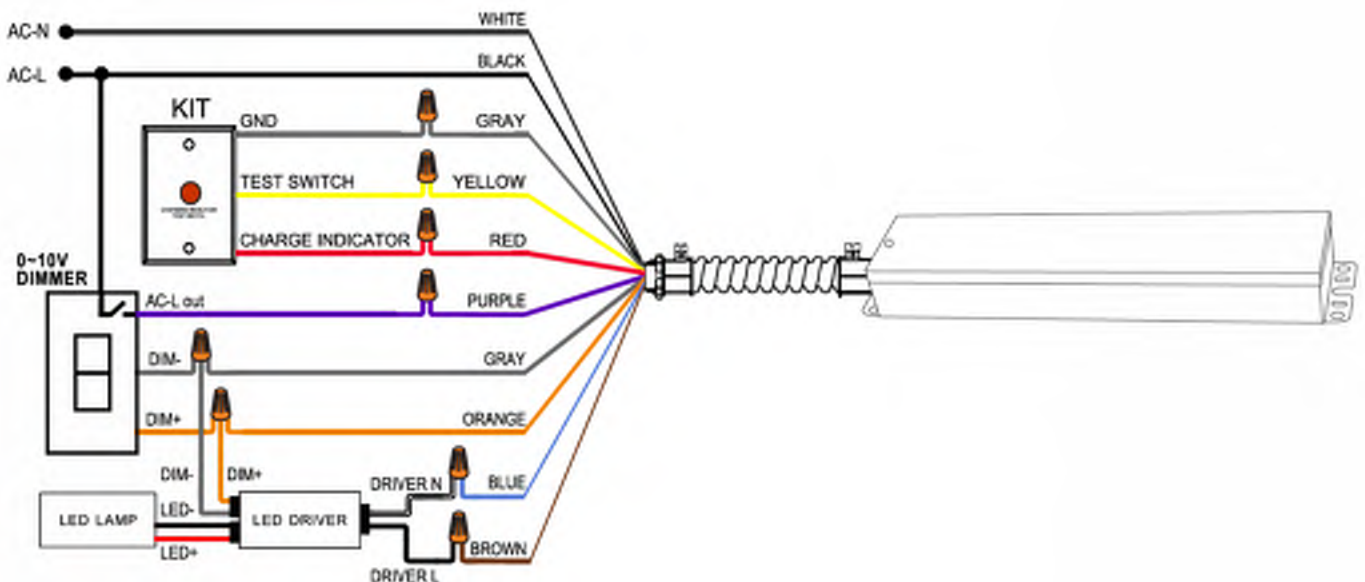
Wiring Diagram Caution:

- During AC operation, do not touch or remove any wires in case of electric shock.
- During emergency operation, before disconnecting the wires, remember to press the test button again to make the LED lamp and indicator light turn off to avoid electric shock.
- The voltage input to the dimmable wires (DIM+, DIM-) of emergency LED driver must be less than 20Vdc.
- This model works best with LED lamps 150W or less.
- This emergency LED driver only works with LED lamps that have a dimmable function.

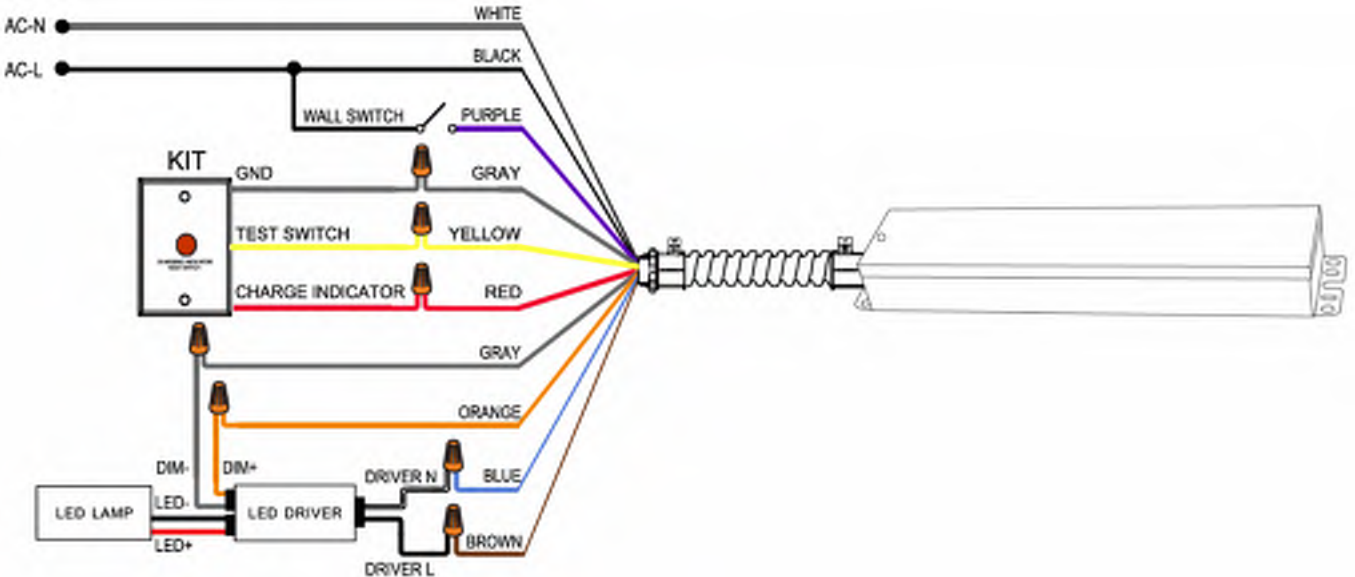
NORMAL: When the LED driver power is less than the emergency power.



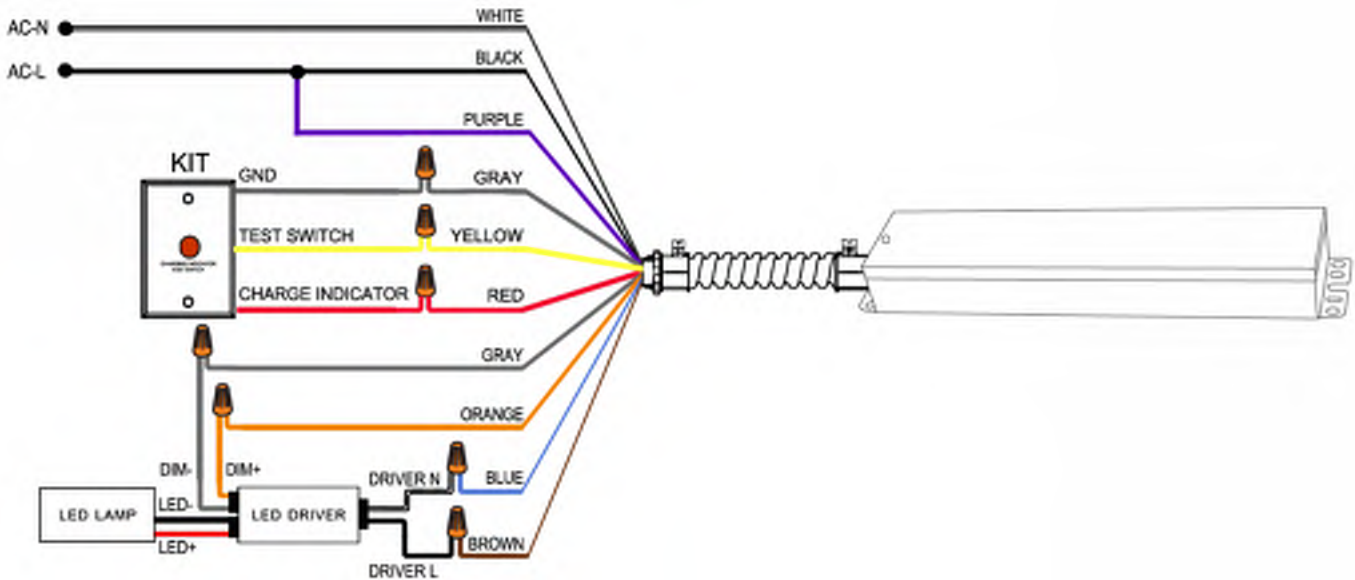
WITH DIMMER: When the LED driver power is more than the emergency power



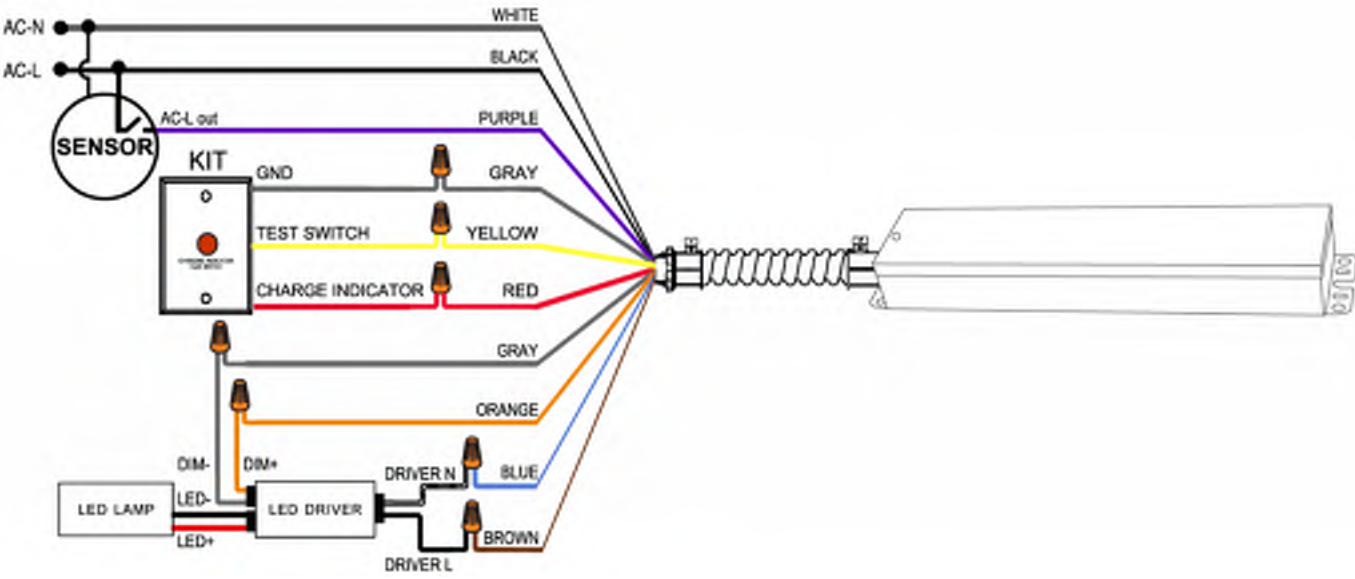
WITH WALL SWITCH:



WITHOUT SWITCH OR DIMMER:



WITH SENSOR:



Project Name: _____ Catalog Number: _____

Notes: _____ Fixture schedule: _____

Emergency LED Driver

E2-EM-UFO-40W-G2



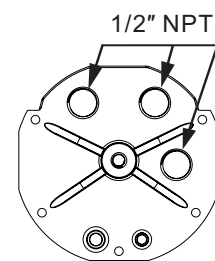
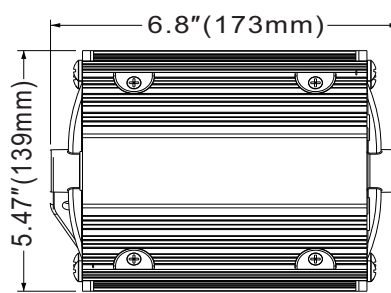
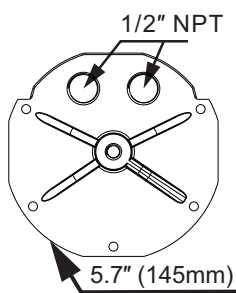
Product Description:

This is a 40W AC emergency driver featuring the circular shape design. It operates from 100-347VAC and offers the constant voltage and constant current output models. It is able to work for -40°C ~+85°C case temperature under free air convection. It is equipped with various function options, such as dimming methodologies, so as to provide the optimal design flexibility for LED lighting system.

Features

1. UL Listed for US and CANADA
2. Listed to UL924 and tested to CSA C22.2 NO.141 Field or factory installation
3. High output voltage
4. Low energy consumption CEC Title20 compliance
5. Constant output power
6. Self-testing
7. Battery: over temperature protection
8. Built-in Integrated junction box
9. For wiring to the LED driver's input

Dimensions



Specifications

| | | | | | |
|----------------|--------------------|-----------------|----------------|------------------|------------------|
| Input voltage | 100~347Vac.50/60Hz | Input Current | 200mA max. | Input Power | 12W max. |
| Output Voltage | 170Vdc | Emergency Power | 40W | Recharge Time | 24Hrs |
| Discharge Time | 1.5H | Warranty | 5 Years | Battery | Li-ion |
| Ambient Temp | 32~122°F(0~50°C) | Weight | 3.96lbs(1.8kg) | Surge Protection | Line-Neutral 3KV |

Installation Manual

!!! IMPORTANT SAFEGUARDS !!!

WHEN USING ELECTRICAL EQUIPMENT, BASIC SAFETY PRECAUTION SHOULD ALWAYS BE FOLLOWED, INCLUDING THE FOLLOWING

Read and follow all safety instruction

1. **CAUTION**-This emergency driver provides more than one power supply output source. To reduce the risk of electrical shock, disconnect both normal and emergency source by turning off the A.C. branch circuit.
2. **CAUTION**- Servicing of this equipment should be performed by qualified personnel only.
3. **CAUTION**- Do not attempt to service the battery. A sealed, no-maintenance battery is used that is not field replaceable. Replace the entire unit when necessary.
4. **CAUTION**- The use of accessory equipment not recommended by the manufacturer may cause an unsafe condition, void warranty, and result in non-compliance with UL specifications.
5. **CAUTION**- The emergency driver requires a UN-switched AC power source of 100-347VAC, 50/60Hz. Installer must confirm that fixtures input voltage. covered 120VAC before installation. It will supply power under an output voltage of 170VDC in emergency mode for at least 90 minutes.
6. **CAUTION**- Battery pack should be charged for 24 hours every 6 months during storage.
7. Battery in this unit may not be fully charged. After electricity is connected to the unit for at least 24 hours, then normal operation of this unit should take effect.
8. For use in 0°C minimum, 50°C maximum ambient temperatures. Suitable for use in damp locations and plenum spaces.
9. Flexible mental conduit is optional, depend on installation environment.
10. The emergency driver should be mounted in locations and at heights where it will not readily be subjected to tampering by unauthorized personnel.
11. Do not use this equipment for anything other than its intended use. Equipment only use for LED lighting emergency backup.
12. Do not mount near gas or electric heaters. Do not let power supply cords touch hot surfaces.
13. Do not make or leave any other open holes in the wiring enclosure or electrical component enclosure during installation.
14. This fixture is for use with grounded, UL Listed, this model can use in wet location. Not for use in heated air outlets or hazardous locations.
15. The emergency driver have battery inside, forbidden for insulation voltage (I/P-O/P) test.
16. Equipment should be mounted in locations and at heights where it will not be subjected to tampering by unauthorized personnel.
17. The equipment is intended for ordinary locations and for permanent installation into one or more listed emergency luminaires.
18. Do not use outdoor.

Lumen output during emergency operation

The luminaire rated data and maximum mounting height can be found as follows:

1. Determine the fixture efficacy under normal AC operation, based on fixture manufacturer published data in lumens per watt(LM/W).
2. Reference DLC QPL (www.designlights.org) and Energy Star QPL (www.energystar.gov) for rated data on fixture efficacy. If the fixture is not found on DLC or Energy Star Qualified Product List, contact fixture manufacturer.
3. Multiply fixture LM/W by rated output power of emergency pack Example 'model' is 25W x 100LM/W = 2500 Lumens.



Caution: Before installation, Make certain the A.C. Power is off!

STEP1: ASSEMBLING NOTICE

- > Select a suitable location on the hangable device.
- > The Maximum weight of lighting fixture should be less than 20kg.
- > Turn off the AC power before installing.
- > Assembling the EM backup with the safety Rope with the chain link connector.
- > Please use waterproof connectors in position AC input wire interface and Dimming wire interface for application in wet location.

STEP2: INSTALLING

- > Install the 2pcs ring M10 Hanging Ring Bolt to the EM backup and fix it with screw.
- > Install the UFO high bay to the Hanging Ring Bolt of EM backup and tighten the screws.

STEP3: WIRING

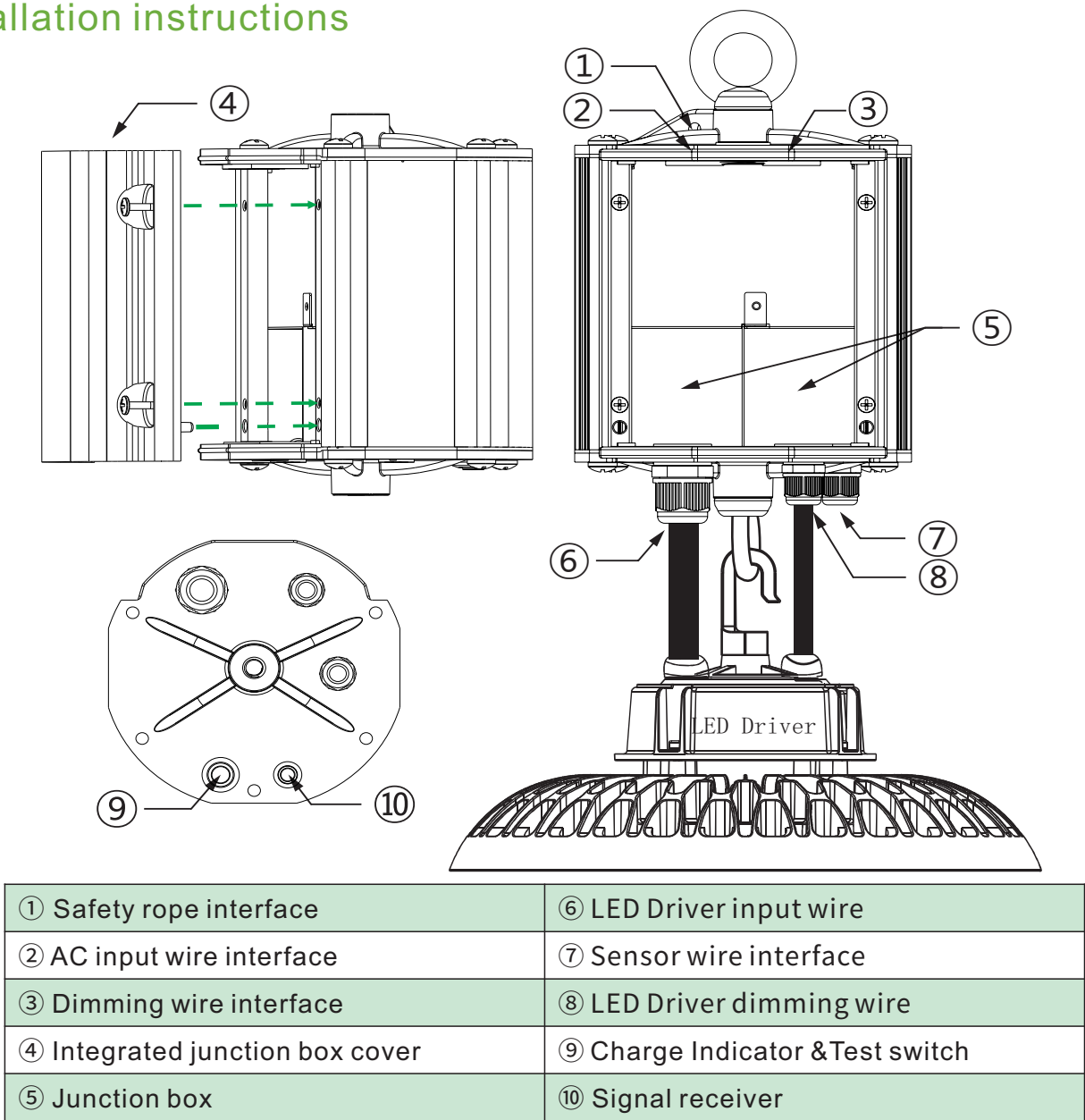
- > Before wiring, make sure safety rope is securely locked and make sure all the screws are tight.
- > Open the cover of junction box.
- > The voltage input to the dimmable wires (DIM+, DIM-) of emergency LED driver must less than 20Vdc.
- > Using wire nuts to cover un-used wires and make sure all connections are in accordance with the NEC and any local regulations.

STEP 4: TESTING

- > After wiring is complete, apply A.C. power. Check if the indicator light lights or not, which will indicate the battery's charging situation.
- > The battery in this unit may not be fully charged. A short-term discharge test may be conducted after the driver has been charging for 1 hour. Charge for 24 hours before conducting a long-term discharge test.

SAVE THESE INSTRUCTIONS

Installation instructions



Accessories

- 
- 1pc Suitable for wire diameter 0.118-0.248" (3-6.3mm)(Optional)
 - 1pc Suitable for wire diameter 0.196-0.393" (5-10mm)(Optional)

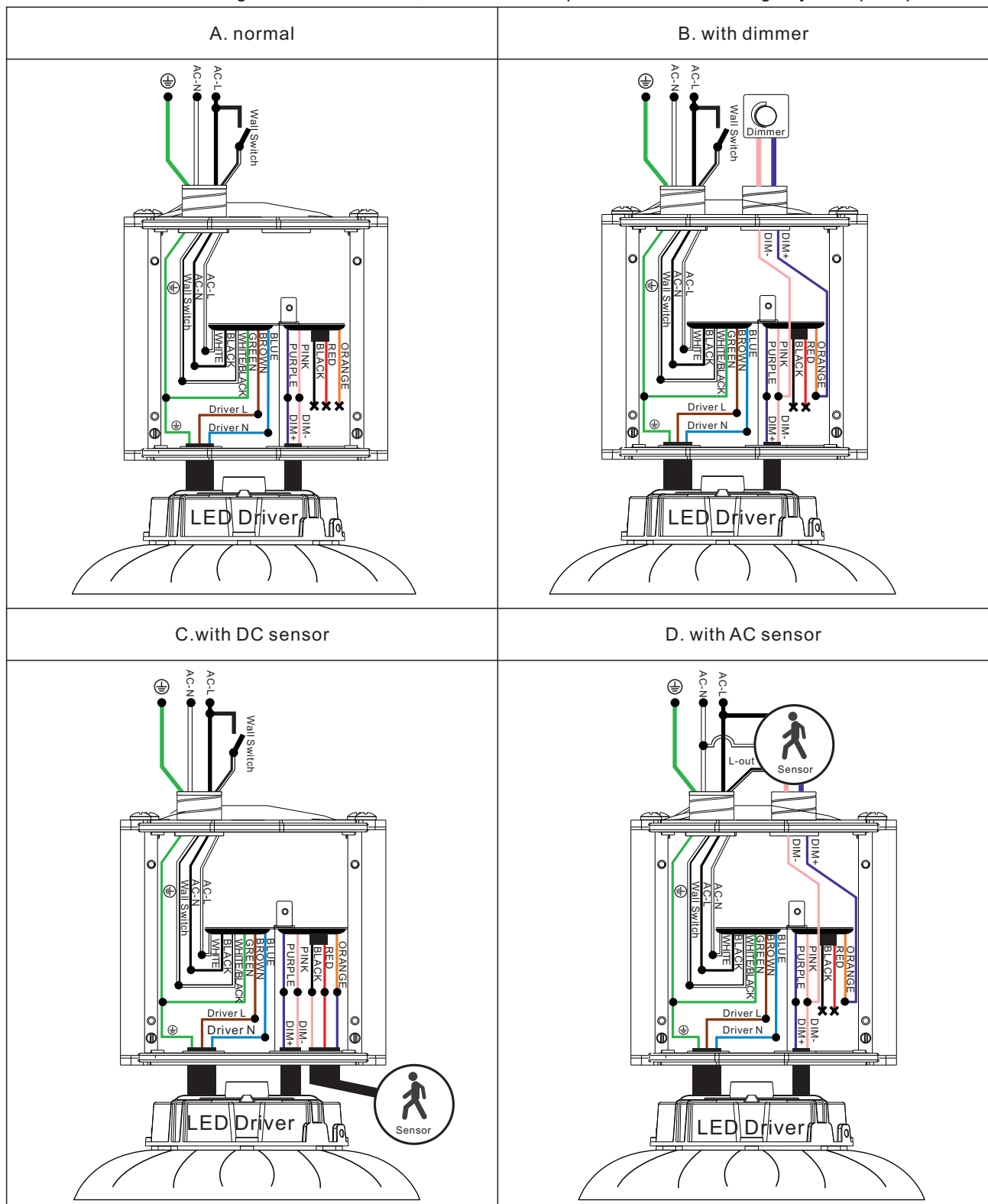
- 
- 2pcs M10 Hanging ring Bolt

- 
- 11 pcs of wire nuts



Wiring Diagram

Note: The LED fixture must be integrated with 0-10V driver, when LED fixture power is more than Emergency backup unit power.



PROJECT NAME: _____ CATALOG NUMBER: _____

NOTES: _____ FIXTURE SCHEDULE: _____

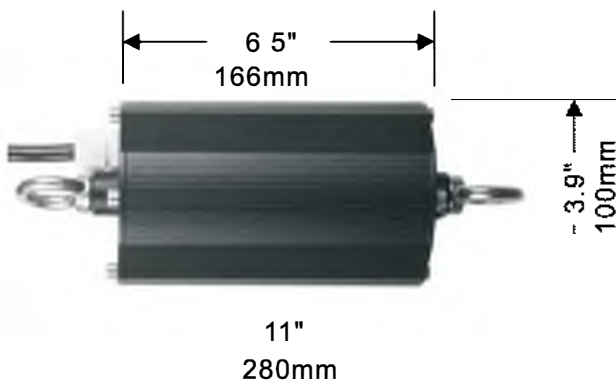
NEW

UFO High BAY - Emergency Battery Backup Driver E2-EM-UFO-25W-170VAC E2-EM-UFO-40W-170VAC



Dimensions

Flexible Conduit : 13"



PRODUCT DESCRIPTION :

E2 Lighting's 25W and 40W emergency driver, enables normal and emergency operation that can maintain illumination of an LED fixture for a minimum of 90 minutes in the event of a power loss. When AC power is restored, the driver automatically returns to charging mode. Also includes a test button and button installation faceplate.

FEATURES AND STANDARDS :

- Self-testing
- Battery: over temperature protection
- Low energy consumption CEC Title 20 compliant
- Constant output power
- High output voltage
- Listed to UL 924 and tested to CSA 22.2 NO. 141 field or factory installation
- UL listed for US and Canada

PRODUCT SPECIFICATION :

- Model - EMUFO-25170-YY, EMUFO-40170-YY
- Emergency Power - 25W, 40W
- Input Voltage - 100-347Vac, 50/60Hz
- Input Current - 200mA max
- Input Power Rating - 10W max
- Output Voltage - 170Vdc
- Recharge Time - 24 hours
- Discharge Time - 90 minutes
- Battery - Li-ion
- Ambient Temperature - 0°C to 50°C (32°F to 122°F)
- Weight - 7.3lbs
- Warranty - 5 years limited

WARRANTY:

E2 warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish. Please see our complete warranty terms located at www.e2lightingusa.com.

Project Name: _____ Catalog Number: _____

Notes: _____ Fixture schedule: _____

Fire Rated LED Panel Light

E2-DL-SLIM-4inch-9W-27/30/35/40/50K-F
E2-DL-SLIM-6inch-18W-27/30/35/40/50K-F
E=Emergency Option



Product Description:

On each light they have an Fireproof Cotton is activated at temperature above 190 °C and unidirectional expansion the 5 times soon, to prevent fire and smoke spread to other parts of the building, and ultimately slow the spread of fire. Different Fire Rated lights have different Fire Rated times, varying for 30, 60, 90 and 120 minutes.

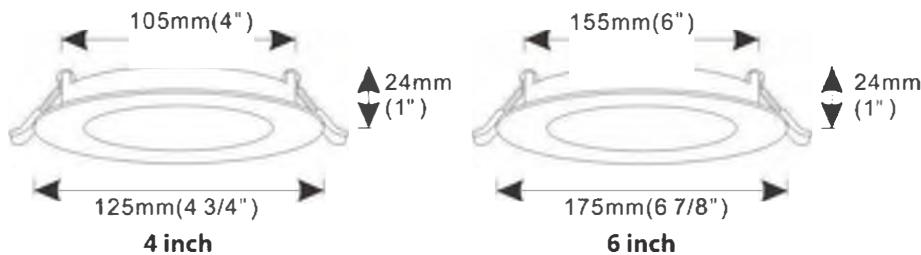
Features

- 2 Hour Fire Rated without Additional Housing or Hardware
- Type IC & Air-Tight Rated – No Housing Required
- Heat Resistant Steel Casing Provides up to 2 Hour Fire Protection
- Heavy Duty Steel Spring Clips for Easy Installation
- Plenum Rated Cable for Commercial Installations
- Driver Inside Connection Box – No Junction Box Needed
- 5 CCT User Selectable Light Colors
- CRI 90+ for True Color Rendering

Materials--flame retardant material
Metal Fireproof Paint
Fireproof Cotton
Fully Seale Iron Back Cover
Metal Cilps
Metal Wire Connector



Physical Dimensions



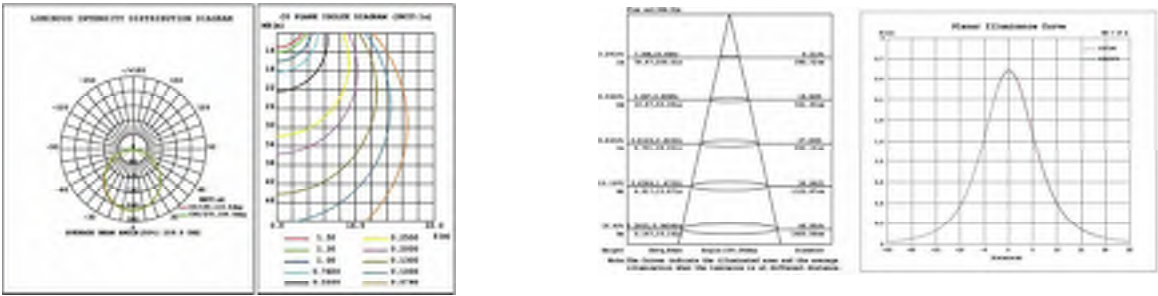
Specifications

| Item No. | | Diameters | Cut Out | CCT | Input Voltage | CRI | Carton Size | Dimmable |
|----------------------|-----|--------------------|---------|-----------------|----------------------------------|------|---------------------|----------|
| E2-DL-SLIM-4inch-9W | 9W | OD 125mm H 24mm | 105mm | 2700K- 5000K | 100-130V 100-277V 100-347V | ≥ 90 | 54*28*34.5cm | Yes |
| E2-DL-SLIM-6inch-12W | 12W | OD 175mm H 24mm | 155mm | | | | 155mm 39*39*32cm | |

Product Structre

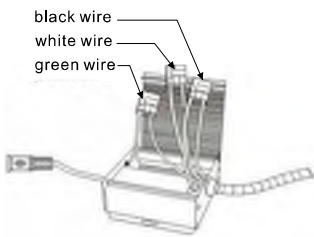


Photometry



Installation

Fig.1



or

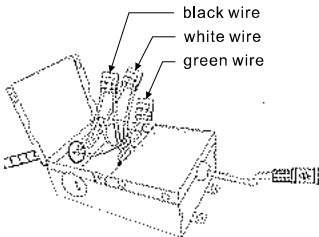


Fig.2

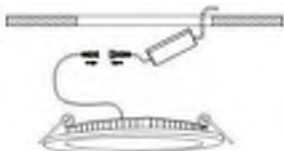
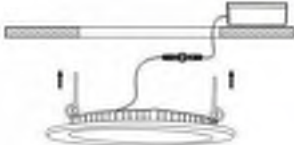


Fig.3



CCT/WATT ADJUSTABLE BACKLIT LED FLAT PANEL

The E2-JL Series dual Selectable LED Panels are commercial luminaires utilizing advanced driver technology providing in all sizes wattage and CCT adjustable panels, offering superior lighting performance while minimizing inventory by reducing the amount of stocking SKUs.

They achieve high uniformity, DLC PREMIUM energy efficiency and reduced glare in typical T-bar grid ceiling applications.

Our state-of-the-art backlit LED technology utilizes PMMA lensing over the LEDs which will not discolor over time.



SPECIFICATIONS

CONSTRUCTION

- Aluminum frame in white finish, steel die-formed back enclosure

OPTICS

- PMMA lenses over LEDs, PS diffuser
- SDCM < 5
- UGR < 22
- 120° Beam angle

ELECTRICAL

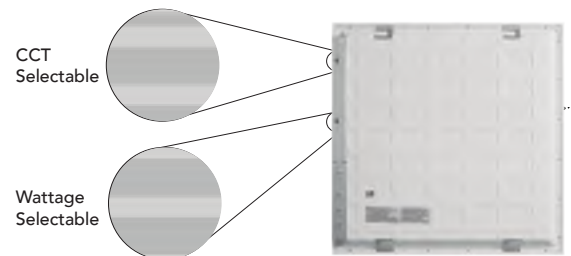
- 0-10VDC Dimming (10%-100%)

CERTIFICATIONS

- UL Listed for Damp Locations
- IC Rated for insulated ceilings
- RoHS, FCC
- DLC 5.1 PREMIUM
- 20°C to 35°C (-4°F to 95°F)

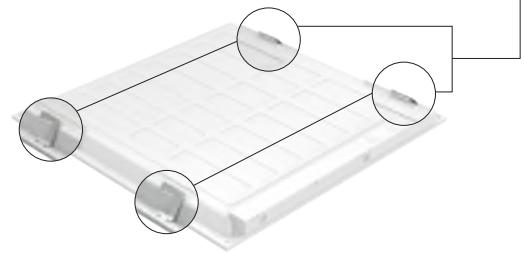
WARRANTY

- 5 Year



INSTALLATION

- Recessed in T-bar grid ceiling with integral earthquake clips for secure attachment
- Surface mount and suspension mount cable kit accessories available



QUICKSHIP ORDERING INFORMATION

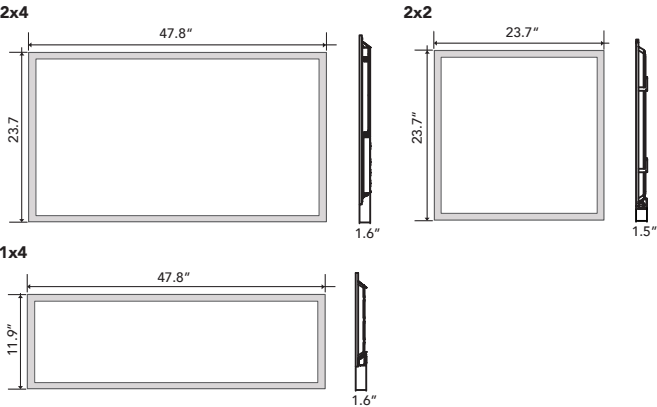
| Catalog No. | Description | Weight | Qty/Carton | Qty/Pallet |
|-----------------------|--|------------------------|------------|------------|
| E2-JL-24-M72W-CCT | 2x4 LED Flat panel, 30/40/50/60/72W adj wattage, 3500/4000/5000/5700/6500K CCT adj, 120-277V, 0-10VDC dimming, DLC 5.1 PREMIUM | 35 lbs /4pcs carton | 4 | 72 |
| E2-PL-JL-2X2-M40W-CCT | 2x2 LED Flat panel, 15/20/25/30/40W adj wattage, 3500/4000/5000/5700/6500K CCT adj, 120-277V, 0-10VDC dimming, DLC 5.1 PREMIUM | 16 lbs /4pcs carton | 4 | 72 |
| E2-PL-JL-1X4-M40W-CCT | 1x4 LED Flat panel, 25/30/40W adj wattage, 3500/4000/5000K CCT adj, 120-277V, 0-10VDC dimming, DLC 5.1 PREMIUM | 16 lbs /2pcs carton | 2 | 80 |

CCT/WATT ADJUSTABLE BACKLIT LED FLAT PANEL

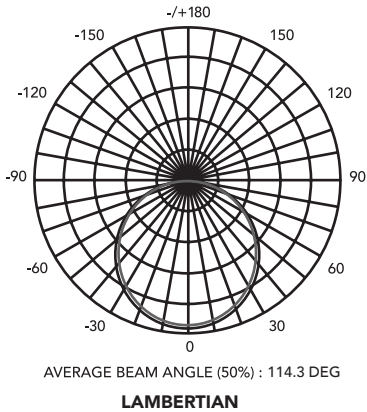
SPECS AT A GLANCE

| Size | E2-JL-24-M72W-CCT | E2-PL-JL-2X2-M40W-CCT | E2-PL-JL-1X4-M40W-CCT |
|----------------|--|-------------------------------|-----------------------|
| Wattage | 30/40/50/60/72W adj | 15/20/25/30/40W adj | 25/30/40W adj |
| CCT | 3500K/4000K/5000K/5700K/6500K | 3500K/4000K/5000K/5700K/6500K | 3500K/4000K/5000K/ |
| Lumens | 3825/5100/6375/7650/9180 LM | 1912/2550/3187/3825/5100 LM | 3187/3825/5100 LM |
| Efficacy (LPW) | 127.5 | 127.5 | 127.5 |
| CRI | 80 | | |
| Input Voltage | 120-277VAC, 0-10VDC Dimming | | |
| Certifications | DLC 5.1 PREMIUM*, UL, Damp Location, FCC, RoHS | | |
| Operating Temp | -20°C to 35°C (-4°F to 95°F) | | |
| Warranty | 5 Years | | |

DIMENSIONS



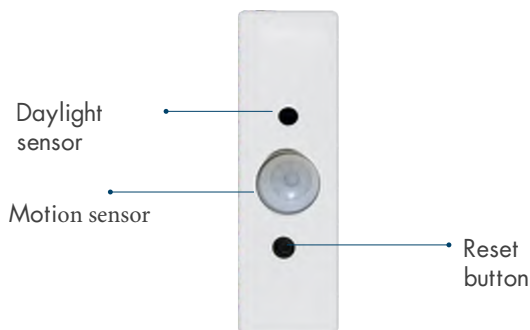
PHOTOMETRY



PROJECT NAME: _____ CATALOG NUMBER: _____

NOTES: _____ FIXTURE SCHEDULE: _____

LED SMART CONTROL MAGNETIC TROFFER LINEAR STRIPS LIGHT KIT E2-RTST NCL DLC Listed Series



PRODUCT DESCRIPTION:

E2 Lighting's LED Linear Strip Kit is an energy efficient replacement for existing T12, T5 and T8 strip fixtures and troffers. The kit is designed to distribute uniform lighting within an aluminum extrusion lighting fixture. UL and ETL classified/recognized, UL and ETL listed, DLC Premium listed and RoHs compliant.

FEATURES:

- High-power magnets and quick connect provide for easy installation
- Frosted, clear or no lens cover options available
- 50,000 Hours L70 Lifespan
- ETL, NLC QPL ,and DLC® Premium 5.1

APPLICATION:

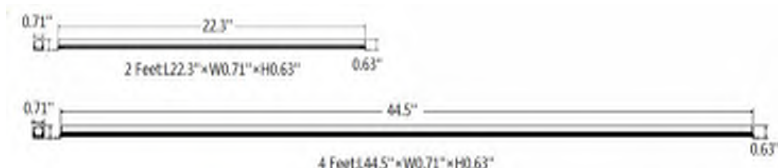
- Indoor Retrofit Kit
- Parking Garage, Warehouse, Offices, Restrooms, Storage Units and Stairwell Environments

TESTED DATA:

- Technical Requirements Version: 5.1
- Classification: Premium
- Light Output: 3120-10560 lm
- Wattage: 20W, 24W, 30W, 40W, 45W, 60W, 80 W
- Efficacy: >130 lm/W
- Power Factor: < = 0.99
- CCT: 4000K, 5000 K
- CRI: >80
- THD: <15 %
- Frequency: 50-60Hz
- Input Voltage: AC120-277V
- IP Rating: IP20
- Working Environment: -4°F-113°F
- Beam Angle: 120-160°
- Dimming Compatible: Yes
- Mercury Content: No Hg
- Lens: Polycarbonate
- Dimensions: 2ft=L22.3xW0.71xH0.63in,
4ft=L44.5xW0.71xH0.63in

WARRANTY:

E2 warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish. Please see our complete warranty terms located at www.e2lightingusa.com.



LED MAGNETIC TROFFER LINEAR STRIPS LIGHT KIT

E2-RTST Series

| Model | Retrofit Type | Watts | Voltage | CCT | CRI | Lumens |
|-------------|--|-------|------------|-------------|-----|---------------|
| E2-RTST124 | (1) Strip; 2ft x 4ft troffers/4ft strip fixture | 24W | AC100-277V | 4000K-5000K | >80 | 3120-3216lm |
| E2-RTST230 | (2) Strips; 2ft x 4ft troffers/4ft strip fixture | 30W | | | | 4050-4170lm |
| E2-RTST240 | (2) Strips; 2ft x 4ft troffers/4ft strip fixture | 40W | | | | 5200-5360lm |
| E2-RTST345 | (3) Strips; 2ft x 4ft troffers/4ft strip fixture | 45W | | | | 6075-6255lm |
| E2-RTST360 | (3) Strips; 2ft x 4ft troffers/4ft strip fixture | 60W | | | | 7800-8040lm |
| E2-RTST460 | (4) Strips; 2ft x 4ft troffers/4ft strip fixture | 60W | | | | 7800-8100lm |
| E2-RTST480 | (4) Strips; 2ft x 4ft troffers/4ft strip fixture | 80W | | | | 10160-10560lm |
| E2-RTST2120 | (1) Strip; 2ft x 2ft troffers/2ft strip fixture | 20W | | | | 2500-2700lm |
| E2-RTST2230 | (2) Strips; 2ft x 2ft troffers/2ft strip fixture | 30W | | | | 3750-4050lm |
| E2-RTST2340 | (3) Strips; 2ft x 2ft troffers/2ft strip fixture | 40W | | | | 5000-5400lm |

| MODEL SELECTION Typical order example: E2-RTST2230D-40K-F | | | | | |
|---|------|-------------------|--|--|---|
| Family | Size | | Controls | CCT | Cover |
| E2-RTST | 124 | 4ft (1)-Strip 24W | Blank= Non-Dimmable D= 0-10V Dimmable | 40K= 4000K 45K= 4500K 50K= 5000K | F= Frosted C= Clear N= No Cover |
| | 230 | 4ft (2)-Strip 30W | | | |
| | 240 | 4ft (2)-Strip 40W | | | |
| | 345 | 4ft (3)-Strip 45W | | | |
| | 360 | 4ft (3)-Strip 60W | | | |
| | 480 | 4ft (3)-Strip 80W | | | |
| | 460 | 4ft (4)-Strip 60W | | | |
| | 480 | 4ft (4)-Strip 80W | | | |
| | 2120 | 2ft (1)-Strip 20W | | | |
| | 2230 | 2ft (2)-Strip 30W | | | |
| | 2340 | 2ft (3)-Strip 40W | | | |

TIOSL

Product ID: N0QFST4Y6NZ

DLC LISTED

TIOSL Smart Control System

Manufacturer: Ark Smart Inc.
Scope: Interior
Scale: Whole Building, Room or Zone, Structured Parking
Technical Requirements Version: 5

| PRODUCT OVERVIEW | SUMMARY |
|---|---------------------------------------|
| Manufacturer: Ark Smart Inc. | ✓ Networking |
| Product Website: View Website | ✗ Traffic Sensing |
| QPL: Networked Lighting | ✓ High-End Trim |
| | ✓ Individual Luminaire Addressability |



LED PIR Fixture Mounted Smart Controller

DC lighting controller

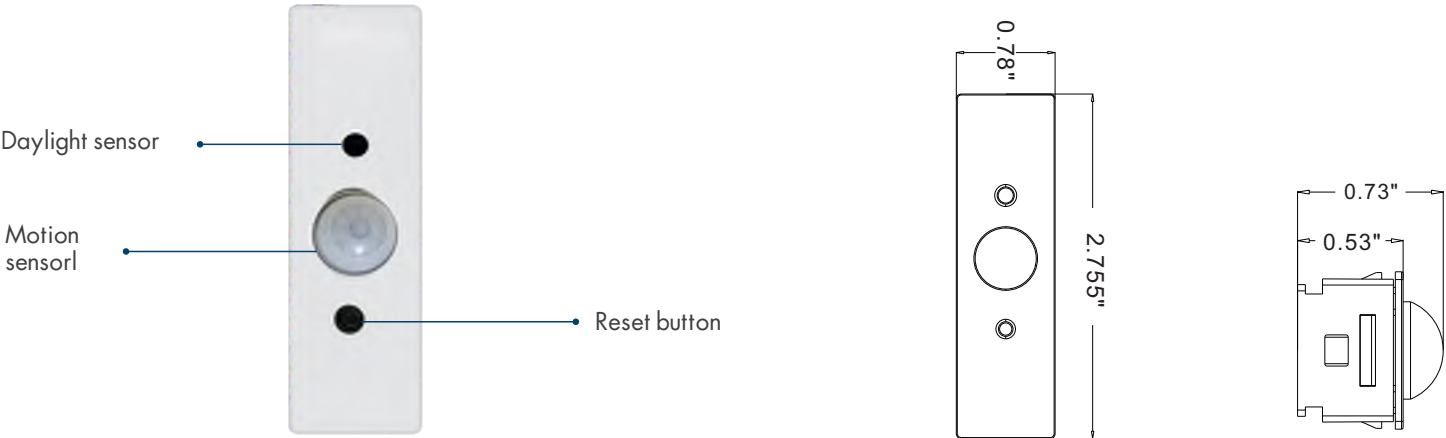
TL-SF-BPRN-MN-12-02

Product Range

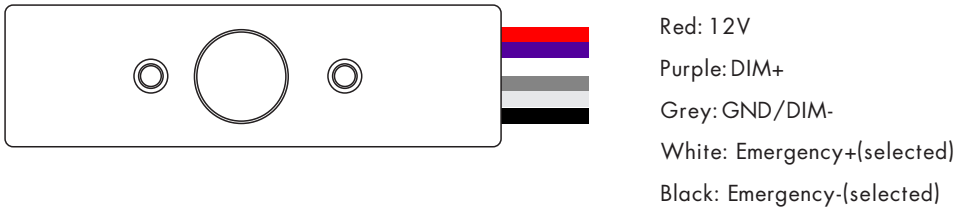
| Part No. | Input voltage | Operating current | Output | Communication protocol | Communication frequency | Photosensitive range | Operating temperature |
|---------------------|---------------|-------------------|---------------|------------------------|-------------------------|----------------------|-----------------------|
| TL-SF-BPRN-MN-12-02 | DC 12V | 100mA (max) | 0-10V dimming | Bluetooth Mesh | 2405-2480MHz | 10-1000Lux | -20~+60°C |

| Max. mounting height | Rx sensitivity | Max. lauch power | Max. communication distance | IP rating |
|-------------------------|----------------|------------------|-----------------------------|-----------|
| 20ft (Open environment) | -92dB | 8dBm | 100m | IP20 |

Size

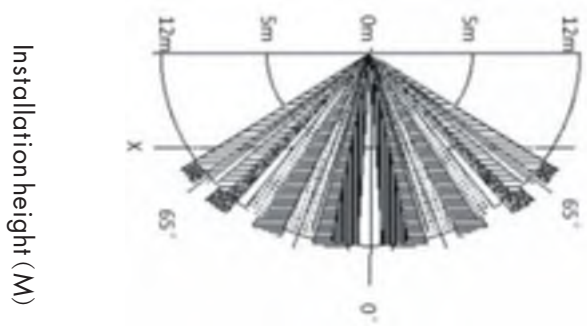


Wiring

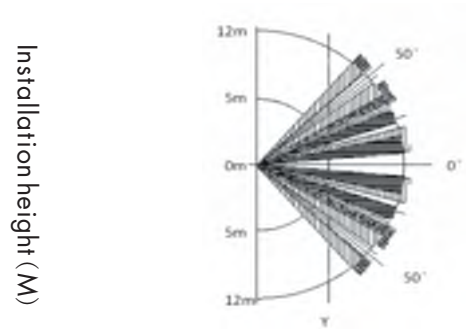


Sensor detection angle

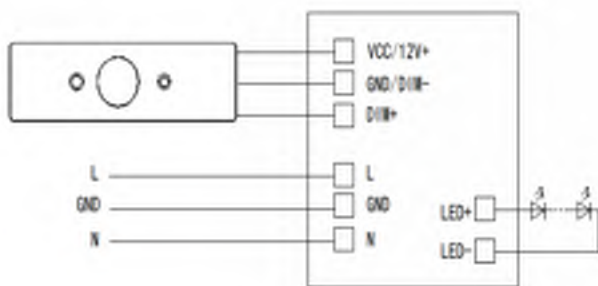
Contest installation detection range map



Wall installation detection range map



Wiring diagram



Application

LED Troffer Light

Magnetic led retrofit strip kit

LED batten light



TL-SF-BPRN-MN-12-02

Installation Precautions:

1. Before installing the Bluetooth module, first turn off the circuit breaker switch at the power supply.
2. Do not enable the installation of large-scale metal blocking positive lamps and places

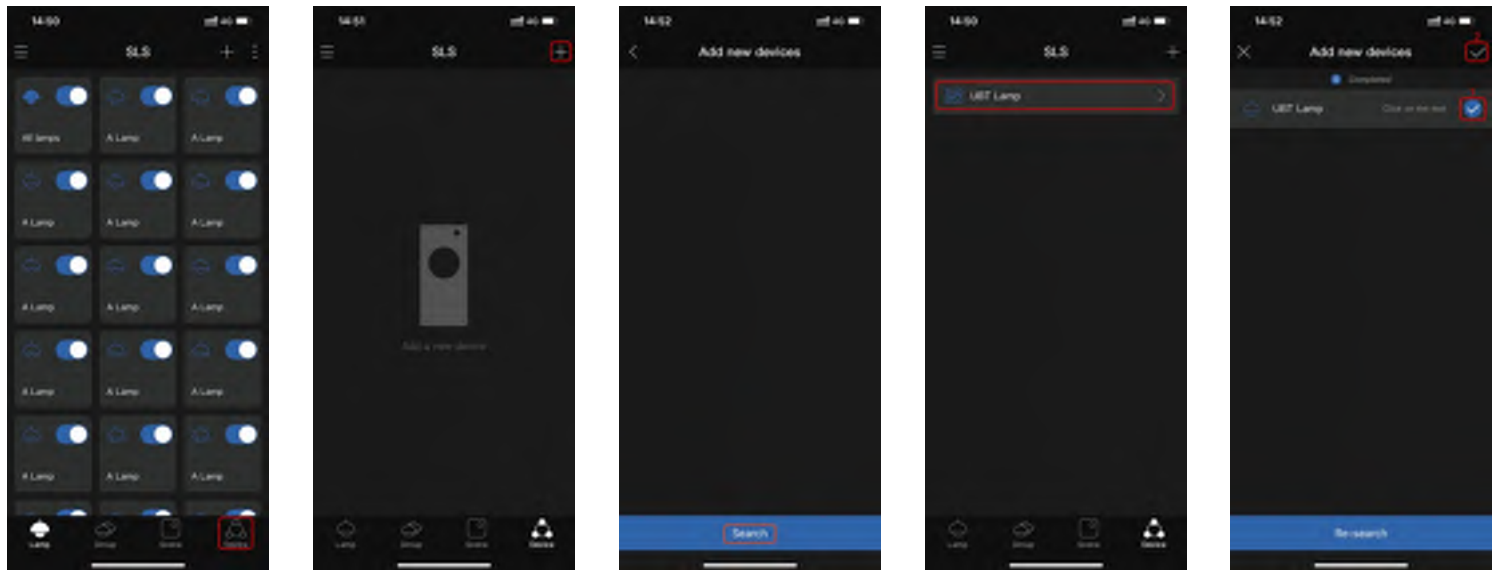
Precautions

1. We reserve the necessary text and image technical parameters correction rights
2. Without license or authorization, it is not allowed to disassemble and other people as damage, otherwise the contractual provisions guaranteed immediate failure
- 3, the product should not be installed in a place where the air is suddenly changed, such as air conditioning air outlet, wind direction rotation, etc.

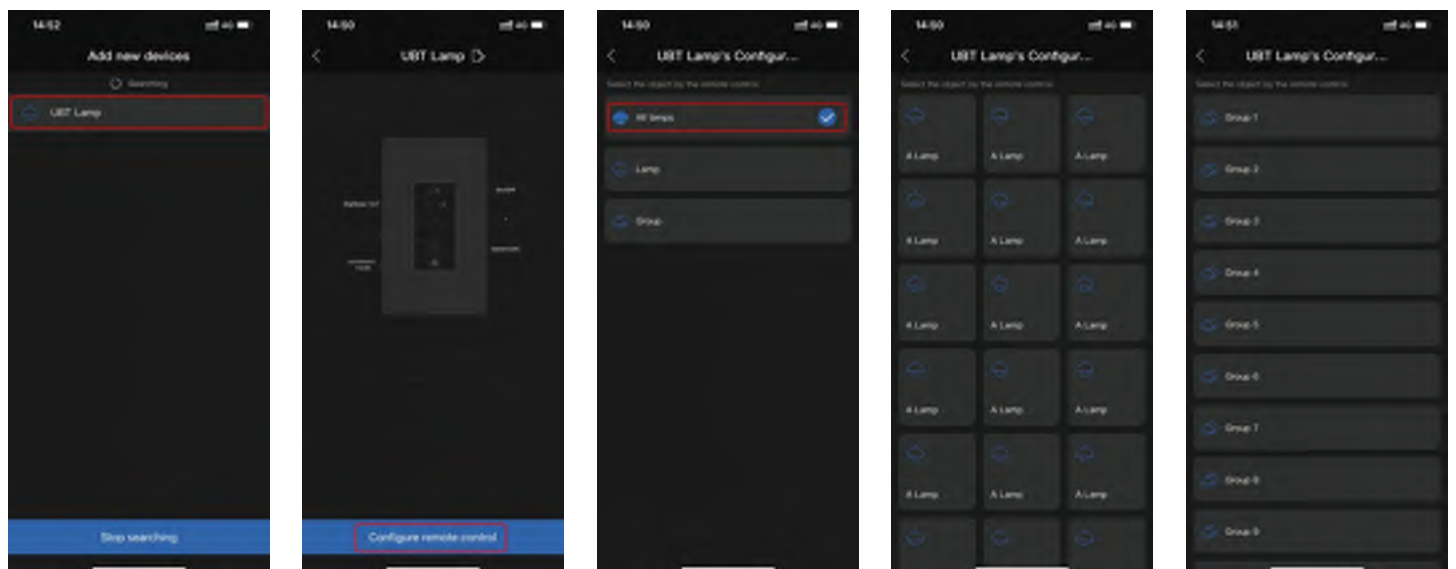
APP "SLS"



Add sensor



- 1-Click accessories
- 2-Click add device
- 3-Click search
- 4- Click to stop searching after searching out the device
- 5- After stopping the search, select the device that needs to be added



- 6- Click on the added device to enter the configuration page
- 7-Enter the binding device page
- 8-Select the device to be bound, which can support binding group, all devices, or single light
- 9-Bind a single device page,
- 10-Bind group page

Project Name: _____ Catalog Number: _____

Notes: _____ Fixture schedule: _____

LED Linear Highbay
E2-LHB-06-L3-2-xxxW



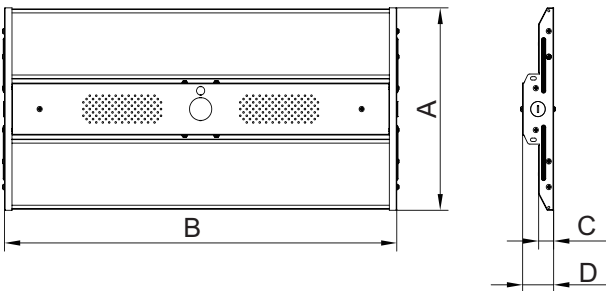
Product Description:

LED linear high bay lighting is a popular choice in warehouse lighting. They are easy to hang with two gripper cables and easy to connect with the junction box right on back. Popular for their wide light distribution, they are a great choice for going Led and saving energy.

Features

- 1. UL, CUL & FCC listed; With LM79 & LM80;
- 2. 2ft; 165W MAX & 220W 3FT 300W MAX available;
- 3. High luminous efficacy 140lm/w;
- 4. 0-10V dimming;
- 5. PF>0.90, driver efficiency>87%; THD<20%;
- 6. Installation: chain mounting;
- 7. Suitable for dry/damp location;
- 8. Designed for warehouses, gymnasiums, and industrial spaces;
- 9. Power tunable.

Physical Dimensions



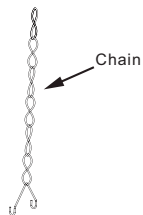
| Part No. | A | B | C | D |
|-------------------------------|--------|--------|-------|-------|
| E2-LHB-06-L2-2-80W-H-50K | 11.81" | 23.62" | 0.91" | 1.87" |
| E2-LHB-06-L2-2-110W-H-50K | | | | |
| E2-LHB-06-L3-2-165W-H-50K | | | | |
| E2-LHB-06-L3-2-220W-H-50K | 14.17" | 23.62" | 0.91" | 1.87" |
| E2-LHB-06-L5-2-225W-H-50K | 14.17" | 35.10" | 0.91" | 1.87" |
| E2-LHB-06-L6-2-300W-H-50K | | | | |
| E2-LHB-06-L3-2-165/110/80W-E | 11.81" | 23.62" | 0.91" | 1.87" |
| E2-LHB-06-L3-2-220/165/110W-E | 14.17" | 23.62" | 0.91" | 1.87" |
| E2-LHB-06-L3-2-165/110/80W-E | 11.81" | 23.62" | 0.91" | 1.87" |
| E2-LHB-06-L2-2-80W-H-MV-50K | 11.81" | 23.62" | 0.91" | 1.87" |
| E2-LHB-06-L2-2-110W-H-MV-50K | | | | |
| E2-LHB-06-L3-2-165W-H-MV-50K | | | | |
| E2-LHB-06-L3-2-220W-H-MV-50K | 14.17" | 23.62" | 0.91" | 1.87" |
| E2-LHB-06-L5-2-225W-H-MV-50K | 14.17" | 35.10" | 0.91" | 0.91" |
| E2-LHB-06-L6-2-300W-H-MV-50K | | | | |

Specifications

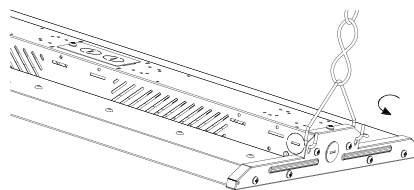
| Part No. | Power | Input Voltage | Input Current | PF | Light Efficacy | CCT | Ra |
|-------------------------------|----------------|---------------|---------------|------|----------------|----------------------------------|----|
| E2-LHB-06-L2-2-80W-H-50K | 80W | AC120-277V | 0.733A | >0.9 | 140lm/W | 4000K 5000K 5700K 6500K | 80 |
| E2-LHB-06-L2-2-110W-H-50K | 110W | | 1.009A | | | | |
| E2-LHB-06-L3-2-165W-H-50K | 165W | | 1.51A | | | | |
| E2-LHB-06-L3-2-220W-H-50K | 220W | | 2.017A | | | | |
| E2-LHB-06-L5-2-225W-H-50K | 225W | | 2.06A | | | | |
| E2-LHB-06-L6-2-300W-H-50K | 300W | | 2.75A | | | | |
| E2-LHB-06-L3-2-165/110/80W-E | 165W/110W/80W | | 1.51A | | | 3500K 4000K 5000K | |
| E2-LHB-06-L3-2-220/165/110W-E | 220W/165W/110W | | 2.017A | | | | |
| E2-LHB-06-L3-2-165/110/80W-E | 165W/110W/80W | AC120-347V | 1.51A | >0.9 | 140lm/W | 4000K 5000K 5700K 6500K | 80 |
| E2-LHB-06-L2-2-80W-H-MV-50K | 80W | | 0.733A | | | | |
| E2-LHB-06-L2-2-110W-H-MV-50K | 110W | | 1.009A | | | | |
| E2-LHB-06-L3-2-165W-H-MV-50K | 165W | | 1.51A | | | | |
| E2-LHB-06-L3-2-220W-H-MV-50K | 220W | | 2.017A | | | | |
| E2-LHB-06-L5-2-225W-H-MV-50K | 225W | | 2.06A | | | | |
| E2-LHB-06-L6-2-300W-H-MV-50K | 300W | | 2.75A | | | | |

Chain Installation

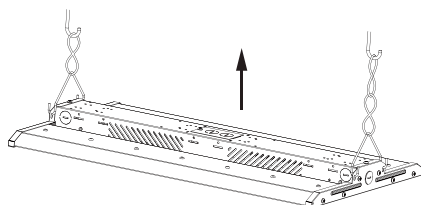
- 1.Hook the chain as below pic.



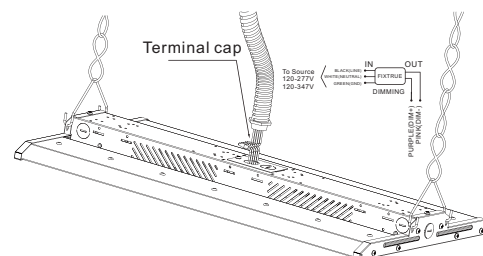
2. Insert the hook into the slotted holes, as shown below.



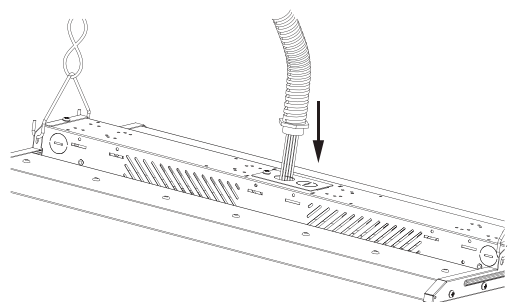
3. Hook up the chain on the ceiling anchor.



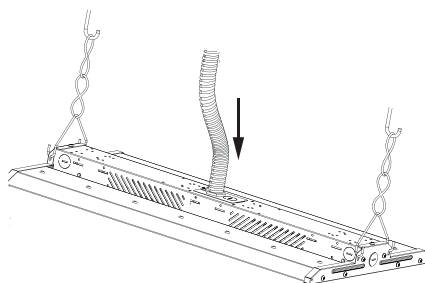
4. Turn off power, and make wiring connections with terminal cap (see wiring instruction below).



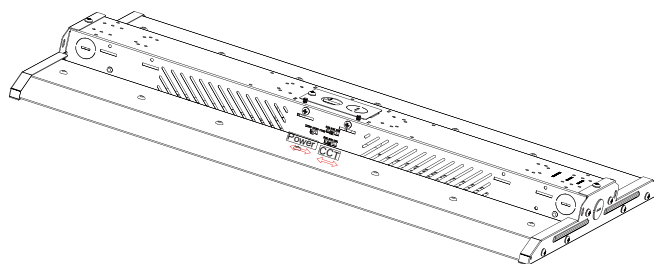
5. Insert the terminal cap and wires into the driver box.



6. Insert the wire terminal joint to the wire entry. Installation completed.

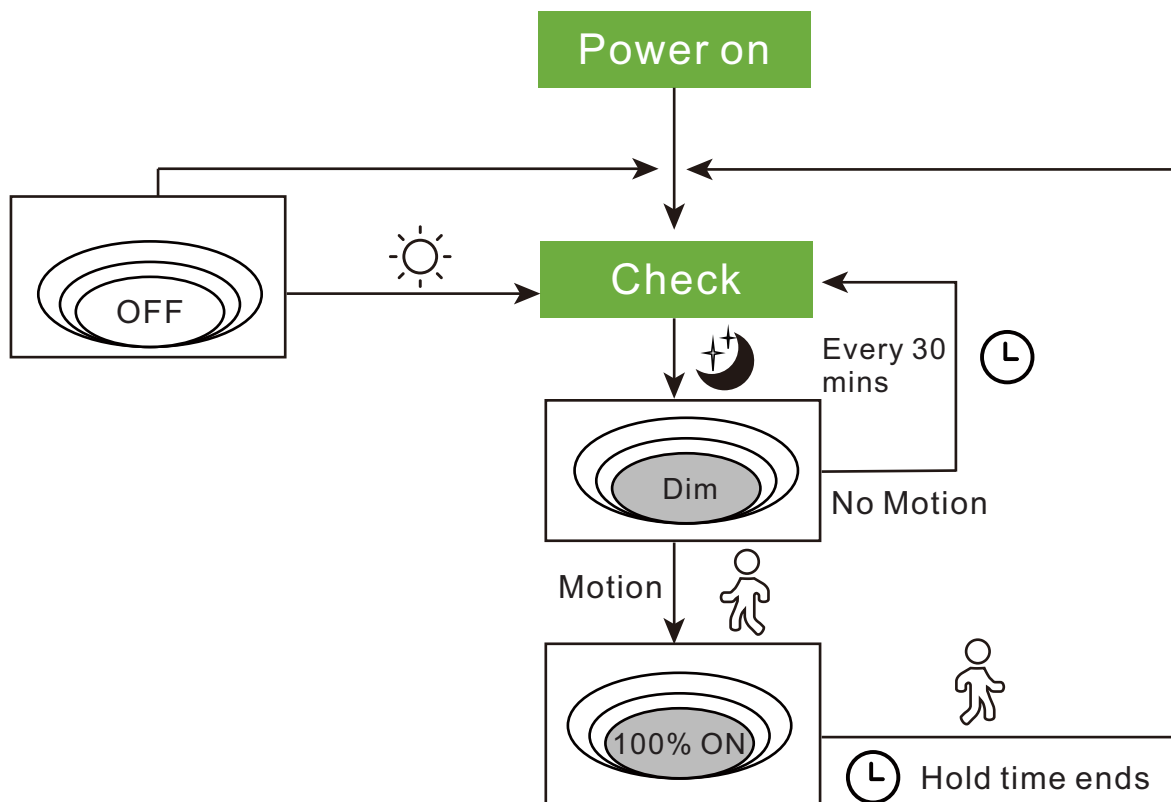


7. Flip the color temperature switch to the desired color temperature (note: if both toggle switches need to be dialed to the corresponding color temperature) : flip the power switch to the desired wattage, as shown in the figure.



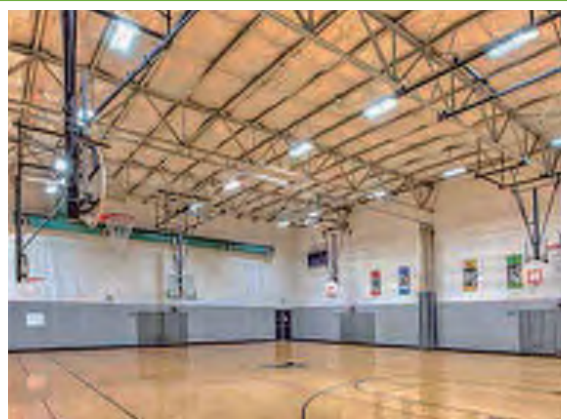
Microwave Motion Sensor





Application

Designed for warehouses, gymnasiums, and industrial spaces.



Note

- 1.The installation and maintenance must be completed by electricians or professionals.
- 2.Please cut off the power before installation and maintenance.
- 3.The thermally insulating material is not allowed to cover the fixture.
- 4.Please keep away from the corrosive substance, and keep the fixture dry and clean.
- 5.Working temperature: -4°F~122°F, storage temperature: -22°F~158°F.

Project Name: _____ Catalog Number: _____

Notes: _____ Fixture schedule: _____

LED Linear Strip Light

E2-LS-SLIM-2-18/24W
E2-LS-SLIM-4-24/36W



M = Sensor (Motion or Smart Control Motion sensor) E = Emergency Battery

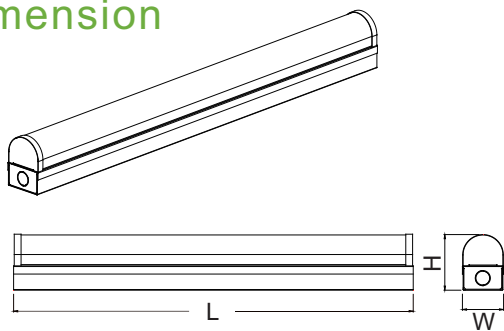
Product Description:

E2 Lighting's LED Linear Strip Fixture is an energy efficient replacement for existing T12 and T8 strip fixtures. The strip is wattage and color temperature tunable, designed to distribute uniform lighting within an aluminum extrusion lighting fixture. UL listed, DLC Premium listed and RoHs compliant.

Features

- 130lm/w.
- Die formed of 0.5mm cold-rolled steel body.
- 0-10V dimming, universal voltage: 100-277V.
- Available with suspending installation and surface-mounted installation.
- Wide application for: school, hospital, super market, office and warehouse.
- 2ft & 4ft dimensions.
- 5-year warranty.

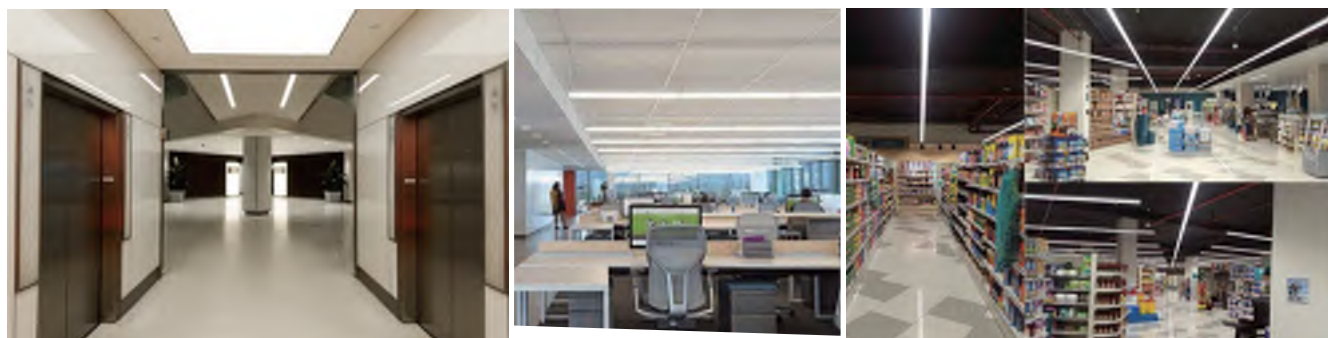
Dimension



| Model | L x W x H |
|--|---------------------------------------|
| E2-LS-SLIM-2-18/24W E2-LS-SLIM-2-18/24W-E E2-LS-SLIM-2-18/24W-M E2-LS-SLIM-2-18/24W-M-E | 606x60x82 (mm) 23.86"x2.36"x3.23" |
| E2-LS-SLIM-4-24/36W E2-LS-SLIM-4-24/36W-E E2-LS-SLIM-4-24/36W-M E2-LS-SLIM-4-24/36W-M-E | 1175x60x82 (mm) 48.03"x2.36"x3.23" |

E = Emergency Battery E-M = Motion Sensor & Emergency Batt
M = Motion Sensor

Applications

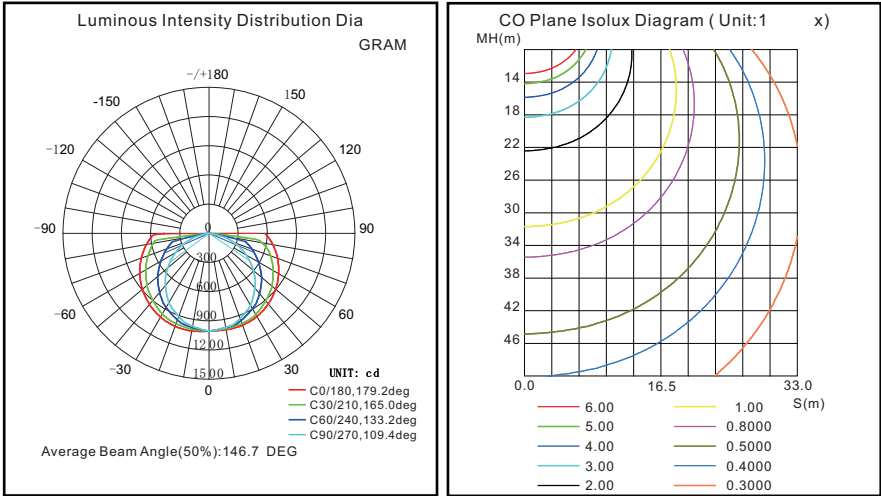


Specifications

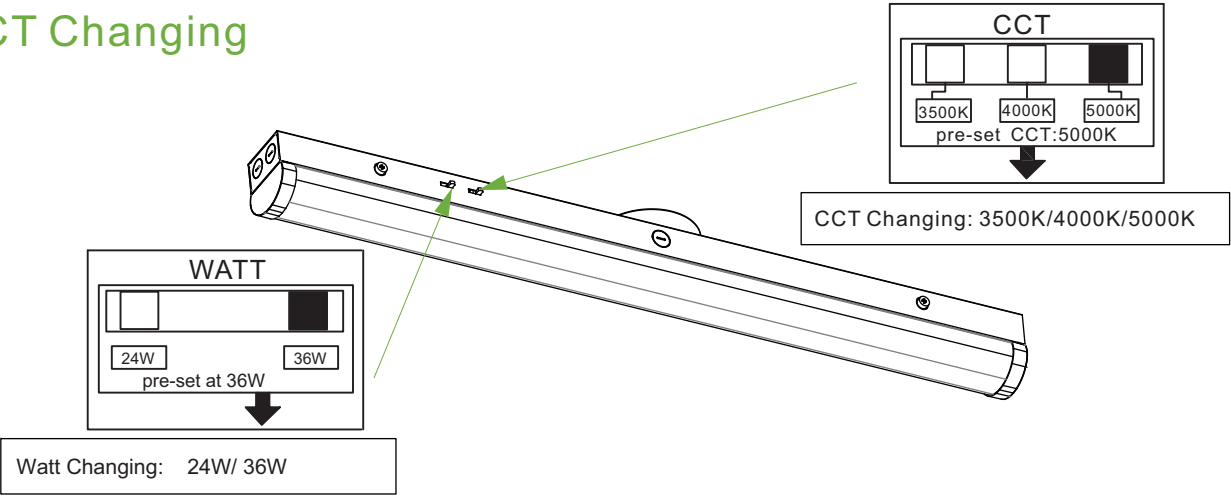
| Part No. | Power | Input Voltage | Luminous Flux | Luminous Efficacy | CCT | Viewing Angle | Ra | PF | Warranty |
|--|---------|---------------|---------------|-------------------|-------------------------|---------------|-----|------|----------|
| E2-LS-SLIM-2-18/24W E2-LS-SLIM-2-18/24W-E E2-LS-SLIM-2-18/24W-M E2-LS-SLIM-2-18/24W-M-E | 18W/24W | AC100-277V | 3120lm | 130lm/W | 3500K 4000K 5000K | 120° | >80 | >0.9 | 5Years |
| E2-LS-SLIM-4-24/36W E2-LS-SLIM-4-24/36W-E E2-LS-SLIM-4-24/36W-M E2-LS-SLIM-4-24/36W-M-E | 24W/36W | | 4680lm | | | | | | |

- The following options are available upon customers' request:
- 1. CCT options: 4000K,4500K, 5000K.
 - 2. Available with external or built-in microwave motion sensor.
 - 3. Emergency: the power is 8W, it will work for 1.5hrs in emergency mode.

Testing Report



CCT Changing



Important

Read this instruction carefully before installation. Keep it for further reference.
Make electrical and grounded connections in accordance with the national electrical code and any applicable code. Always turn off the power supply before installation.
This product must be installed in accordance with the applicable installation code by a qualified electrician who is familiar with the construction and operation of the product and the hazards involved.

WARNING:

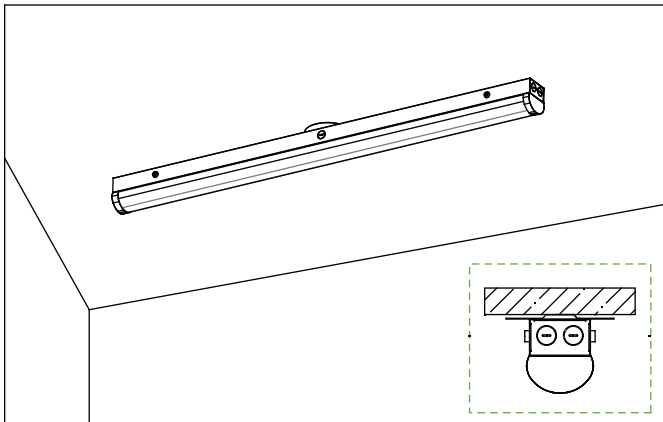
- ⚠ Risk of fire or electric shock. Fixture installation requires knowledge of luminaires electrical systems. If not qualified, Do Not attempt installation. Contact a qualified electrician.
- ⚠ Risk of fire or electric shock. Suitable for wet locations. Always turn off the power supply before installation.
- ⚠ Risk of fire or electric shock. Suitable for non-insulated surface and frame. DO NOT cover fixture with insulation liner or similar material.
- ⚠ DO NOT install fixture on unstable, loose or easily breakable surface.
- ⚠ DO NOT exert force on the surface of the fixture.

Note

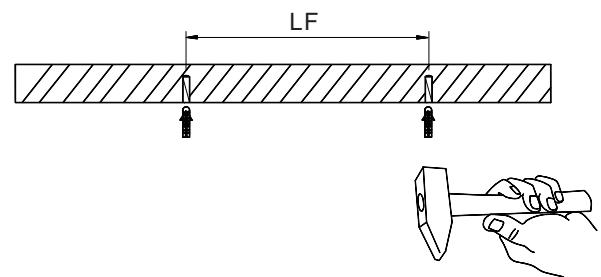
1. The installation and maintenance must be completed by electricians or professionals.
2. Please cut off the power before installation and maintenance.
3. The thermally insulating material is not allowed to cover the fixture.
4. Please keep away from the corrosive substance, and keep the fixture dry and clean.
5. Working temperature: $-4^{\circ}\text{F} \sim 113^{\circ}\text{F}$, storage temperature: $-22^{\circ}\text{F} \sim 140^{\circ}\text{F}$.

Installation manual

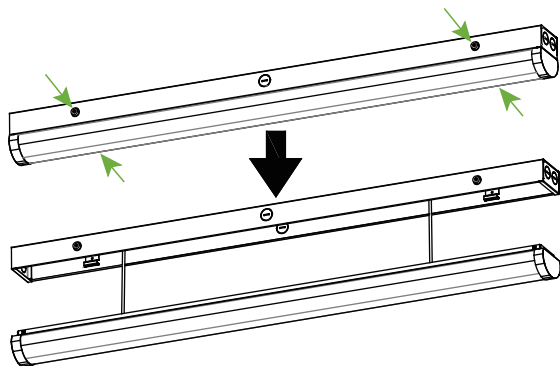
A.Surface-mounted installation



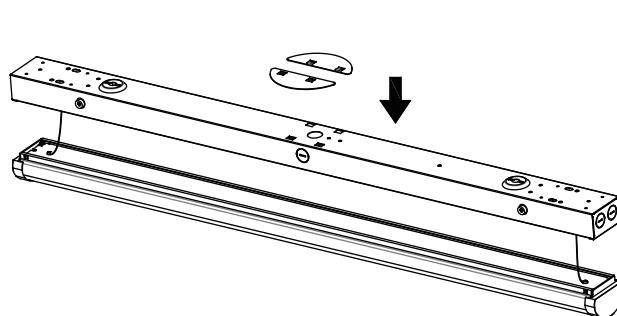
Step1. Punch a hole on the wall and put the expansion tube inside.



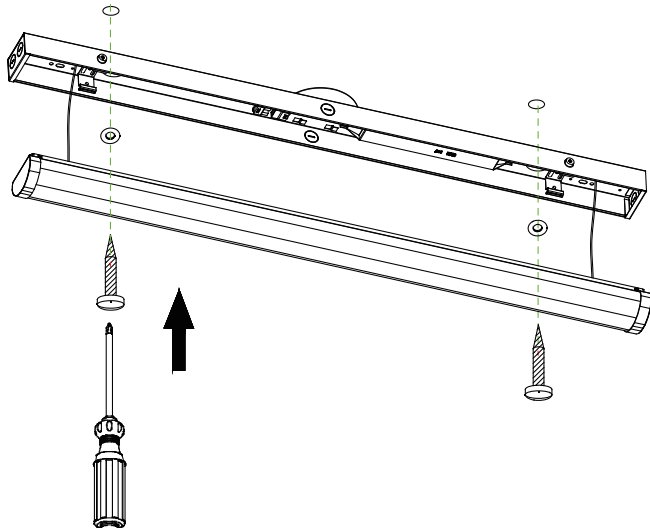
Step2. Press the buckle on both sides and remove



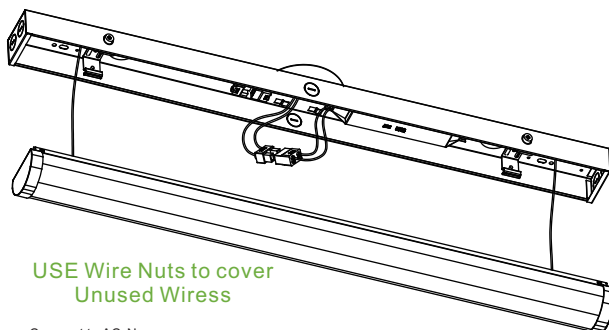
Step3.



Step4. Secure the fixture on the wall and lock it in tight.



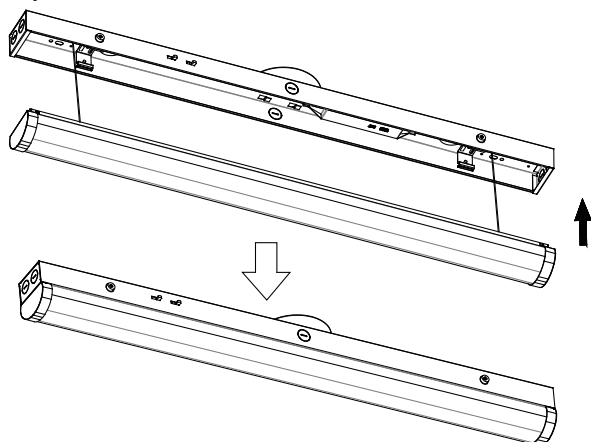
Step5. Turn off the power and wiring by using wire nuts.



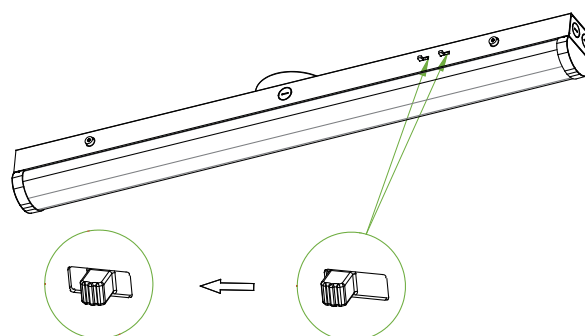
Normal Wiring

Emergency Wiring

Step6. Press upward the cover and lock it with springs tightly which located into the fixture



Step7. Installation completed.



LED CCT Switch and Watt Switch

B.Suspending installation (With chains)

Step1. Fixing the hook and suspending the lamp

Ceiling

Step2.

Power Leads Connection
Remove screw holding access cover plate and remove the necessary knockout

Knockout

Step3. Turn off the power and wiring by using wire nuts

Connect cable wires with appropriate relief strain and wire connectors(ont provided).
Make sure ALL wires are tucked in before reinstalling the cover plate.

From power source

USE Wire Nuts to cover Unused Wires

Turn on the switch

Normal Wiring

- Connect to AC-N White
- Connect to AC-L Black
- Connect to GND GND
- Connect to DIM- Pink
- Connect to DIM+ Purple

Emergency Wiring

- L Black & Yellow
- Switch L- Black
- N-White wire
- G-Green wire
- Connect to DIM- Pink
- Connect to DIM+ Purple

LED CCT Switch and Watt Switch

Project Name: _____ Catalog Number: _____

Notes: _____ Fixture schedule: _____

LED Linear Strip Light

E2-LS-STD-2-10/15/24W
E2-LS-STD-4-24/32/40W
E2-LS-STD-8-64/75/90W



Product Description:

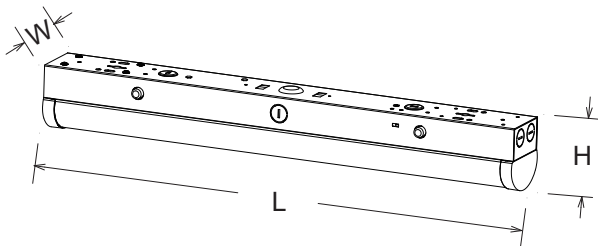
LED Tunable Strip Light includes an integral Wattage & CCT switch to change the color temperature at any time! Ideal for commercial, residential, industrial and retail applications. The luminaire's lens is designed to evenly spread the light in a complete 120° beam pattern. The smooth lens makes for easy maintenance and no diode image. The NEW LSTR can be used in storage or utility buildings, coves, display cases, work shops and garages for task and general lighting.

Features

- Input Voltage: 100-277V
- Wattage: 2FT:10/15/24W, 4FT:24/32/40W, 8FT: 64/75/90W
- Color Temperature: Field Selectable Color (3500K / 4000K / 5000K)
- Rendering Index: 80+ CRI
- Lifetime:50,000 hours @ L70
- Dimming: 0-10V
- Quick and easy installation motion or smart sensors

M=Sensor (Motion or Smart Control Motion sensor)
E=Emergency Battery

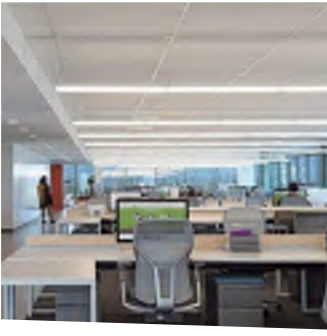
Dimension



| Model | L x W x H |
|---------------------------|---------------------------------------|
| E2-LS-STD-2-10/15/24W | 609x75x83 (mm) 23.97"x2.95"x3.26" |
| E2-LS-STD-2-10/15/24W-E | |
| E2-LS-STD-2-10/15/24W-M | |
| E2-LS-STD-2-10/15/24W-M-E | |
| E2-LS-STD-4-24/32/40W | 1220x75x83 (mm) 48.03"x2.95"x3.26" |
| E2-LS-STD-4-24/32/40W-E | |
| E2-LS-STD-4-24/32/40W-M | |
| E2-LS-STD-4-24/32/40W-M-E | |
| E2-LS-STD-8-64/75/90W | 2438x75x83(mm) 95.98"x2.95"x3.26" |

Applications

E=Emergency Battery M=Sensor M-E= Emergency Battery & Sensor



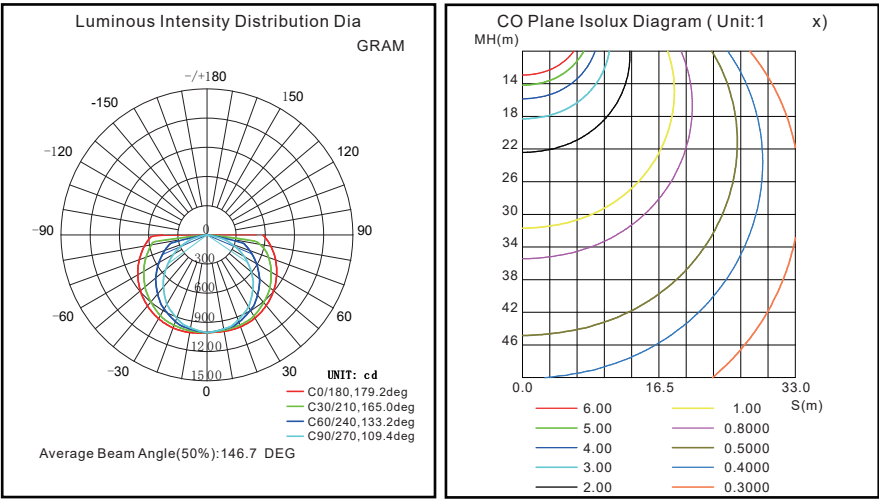
Specifications

| Part No. | Power | Input Voltage | Luminous Flux | Luminous Efficacy | CCT | Viewing Angle | Ra | PF | Warranty |
|--|-------------|---------------|---------------|-------------------|-------------------------|---------------|-----|------|----------|
| E2-LS-STD-2-10/15/24W E2-LS-STD-2-10/15/24W-E E2-LS-STD-2-10/15/24W-M E2-LS-STD-2-10/15/24W-M-E | 15W/20W/24W | AC100-277V | 3120lm | 130lm/W | 3500K 4000K 5000K | 120° | >80 | >0.9 | 5Years |
| E2-LS-STD-4-24/32/40W E2-LS-STD-4-24/32/40W-E E2-LS-STD-4-24/32/40W-M E2-LS-STD-4-24/32/40W-M-E | 24W/32W/40W | | 5200lm | | | | | | |
| E2-LS-STD-8-64/75/90W | 64/75/90W | | 11700lm | | | | | | |

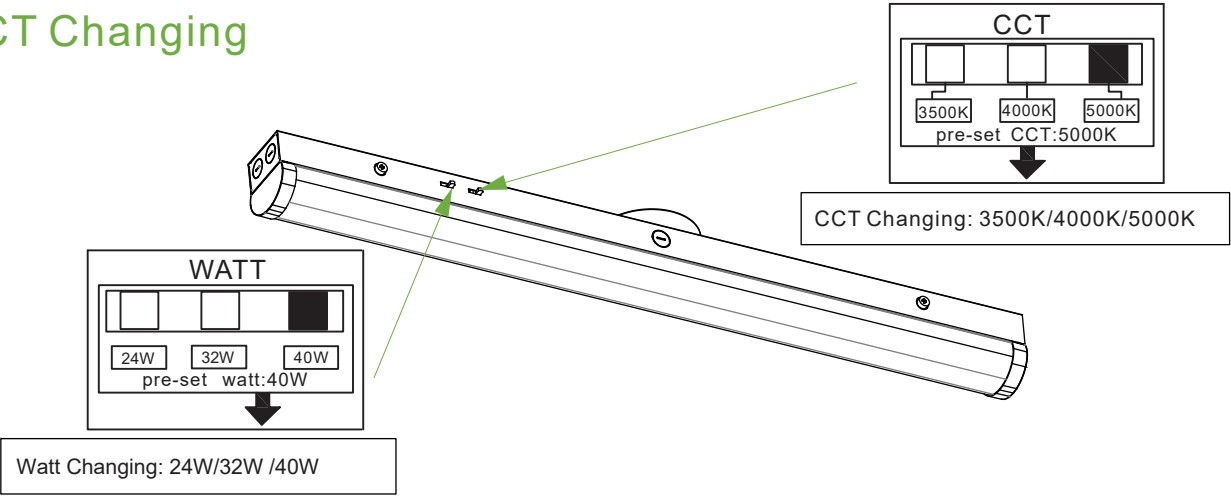
The following multiple functions can be achieved according to customers' requests:

1. CCT options: 3000K,3500K, 4000K, 5000K.
2. Available with external or built-in microwave motion sensor.
3. Emergency: the power is 8W, it can still work in 1.5hrs while emergency situation.

Testing Report



CCT Changing



Important

Read this instruction carefully before installation. Keep it for further reference.
Make electrical and grounded connections in accordance with the national electrical code and any applicable code. Always turn off the power supply before installation.
This product must be installed in accordance with the applicable installation code by a qualified electrician who is familiar with the construction and operation of the product and the hazards involved.

WARNING:

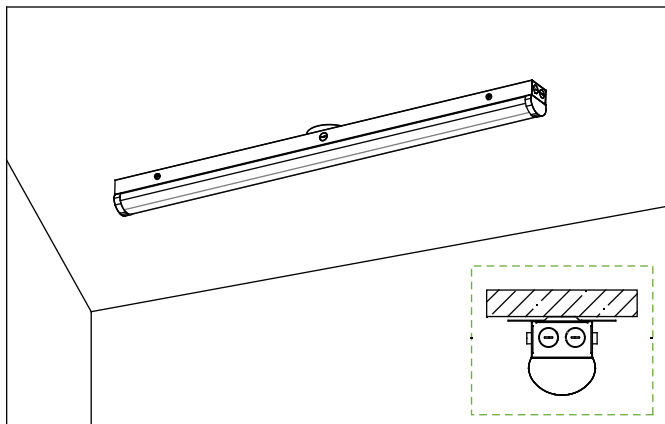
- ⚠ Risk of fire or electric shock. Fixture installation requires knowledge of luminaires electrical systems. If not qualified, Do Not attempt installation. Contact a qualified electrician.
- ⚠ Risk of fire or electric shock. Suitable for wet locations. Always turn off the power supply before installation.
- ⚠ Risk of fire or electric shock. Suitable for non-insulated surface and frame. DO NOT cover fixture with insulation liner or similar material.
- ⚠ DO NOT install fixture on unstable, loose or easily breakable surface.
- ⚠ DO NOT exert force on the surface of the fixture.

Note

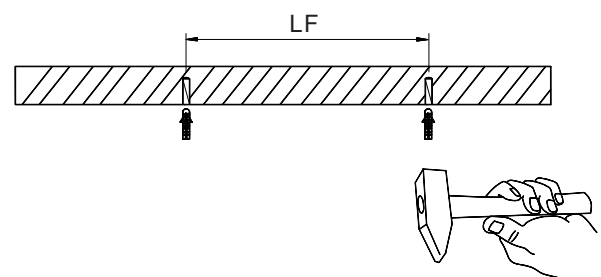
1. The installation and maintenance must be completed by electricians or professionals.
2. Please cut off the power before installation and maintenance.
3. The thermally insulating material is not allowed to cover the fixture.
4. Please keep away from the corrosive substance, and keep the fixture dry and clean.
5. Working temperature: $-4^{\circ}\text{F} \sim 113^{\circ}\text{F}$, storage temperature: $-22^{\circ}\text{F} \sim 140^{\circ}\text{F}$.

Installation manual

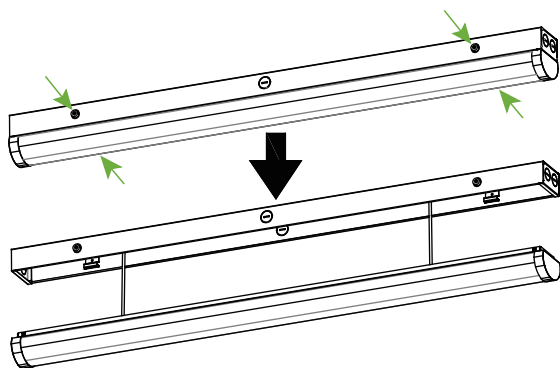
A.Surface-mounted installation



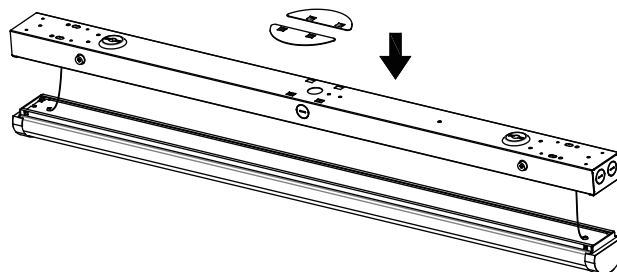
Step1. Punch a hole on the wall and put the expansion tube inside.



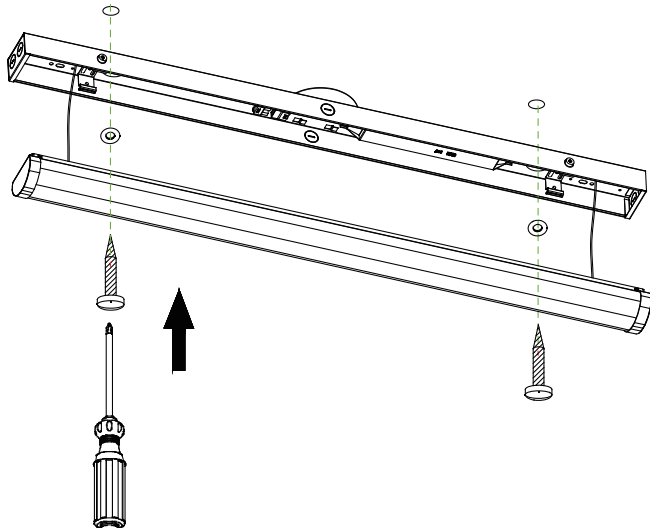
Step2. Press the buckle on both sides and remove



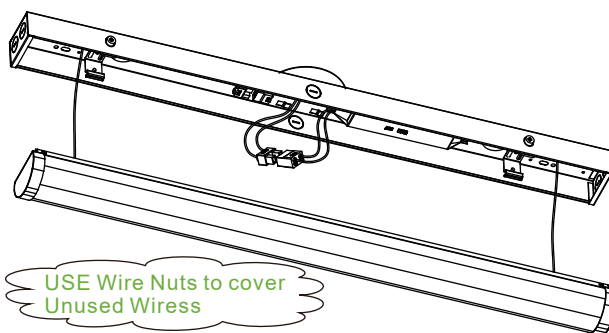
Step3.



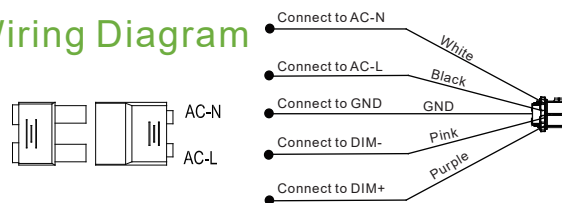
Step4. Secure the fixture on the wall and lock it in tight.



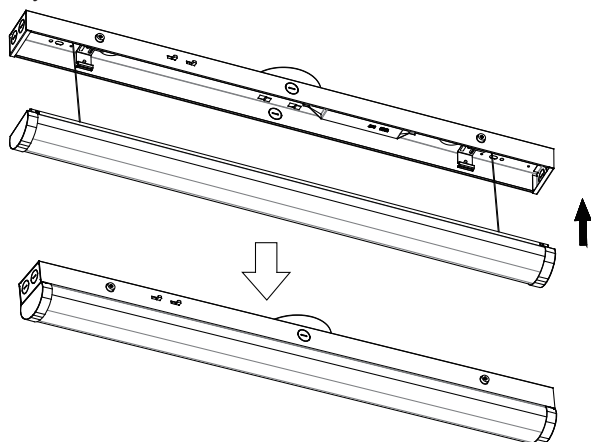
Step5. Turn off the power and wiring by using wire nuts.



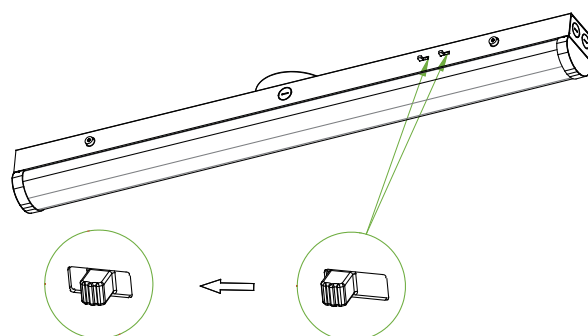
Wiring Diagram



Step6. Press upward the cover and lock it with springs tightly which located into the fixture

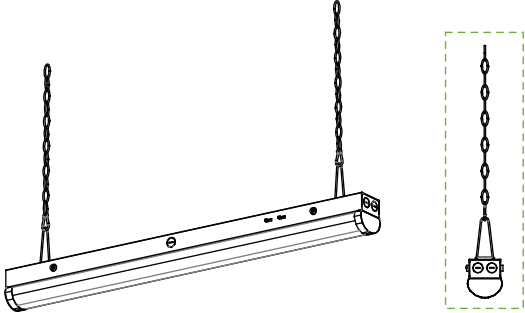
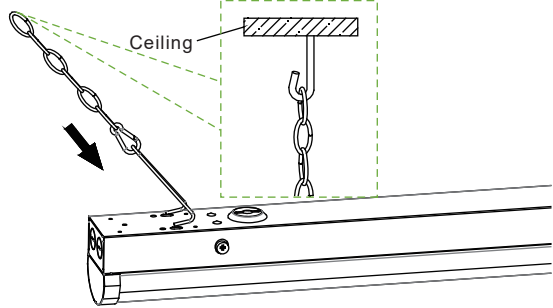
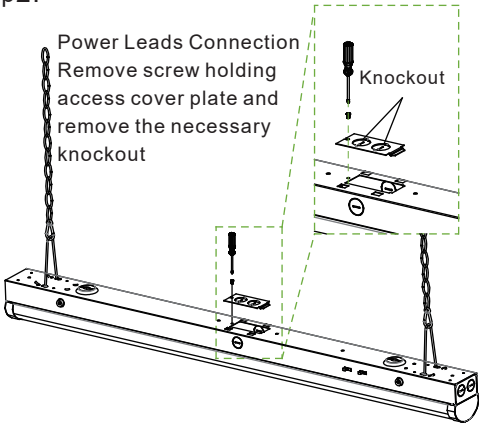
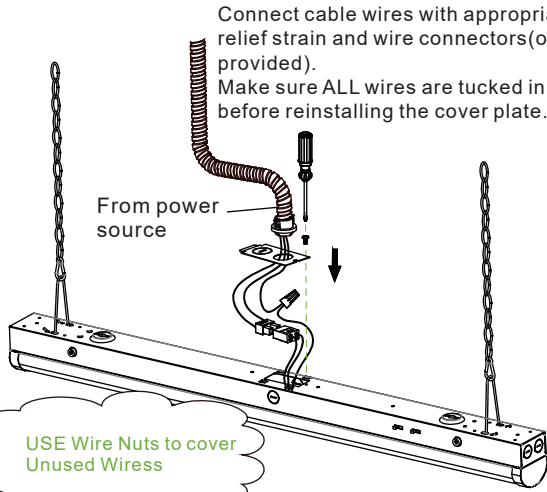
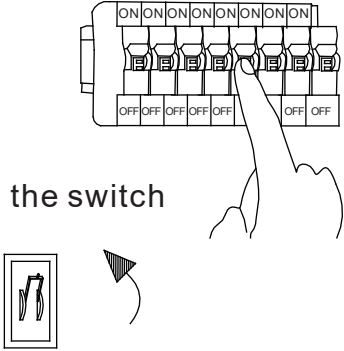
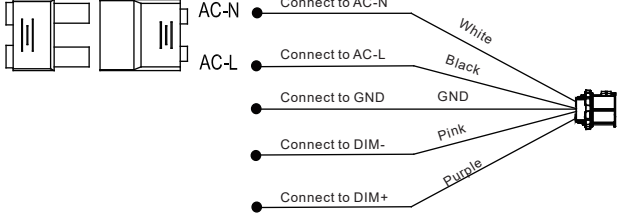
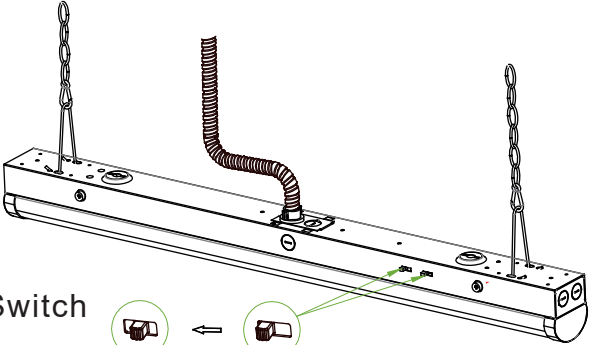


Step7. Installation completed.



LED CCT Switch and Watt Switch

B.Suspending installation (With chains)

| | |
|---|---|
|  | <p>Step1. Fixing the hook and suspending the lamp</p>  <p>Ceiling</p> |
| <p>Step2.</p> <p>Power Leads Connection Remove screw holding access cover plate and remove the necessary knockout</p>  <p>Knockout</p> | <p>Step3. Turn off the power and wiring by using wire nuts</p> <p>Connect cable wires with appropriate relief strain and wire connectors(ont provided). Make sure ALL wires are tucked in before reinstalling the cover plate.</p>  <p>From power source</p> <p>USE Wire Nuts to cover Unused Wires</p> |
| <p>Turn on the switch</p>  |  <p>AC-N Connect to AC-N</p> <p>AC-L Connect to AC-L</p> <p>Connect to GND</p> <p>Connect to DIM-</p> <p>Connect to DIM+</p> <p>White</p> <p>Black</p> <p>GND</p> <p>Pink</p> <p>Purple</p> |
| <p>LED CCT Switch and Watt Switch</p>  | |

LED Linear Strip Light

E2-LS-WIDE-4-36W/40W
E2-LS-WIDE-8-63/85W



M =Sensor (Motion or Smart Control Motion sensor) E= Emergency Battery

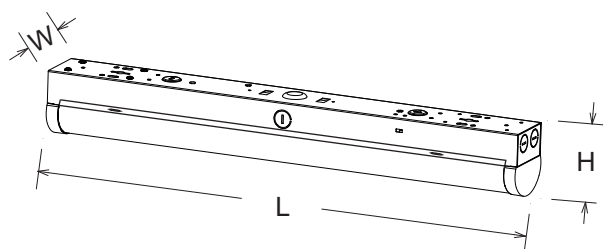
Product Description:

E2 Lighting's LED Linear Strip Fixture is an energy efficient replacement for existing T12 and T8 strip fixtures. The strip is wattage and color temperature tunable, designed to distribute uniform lighting within an aluminum extrusion lighting fixture. UL listed, DLC Premium listed and RoHs compliant.

Features

- High lumens efficiency 134 lm/W
- Reduces energy consumption by up to 60%
- Eight (8) knockout locations to best suit installation needs
- Surface or suspended mount
- 50,000 Hours L70 Lifespan
- UL and DLC® Premium 5.1

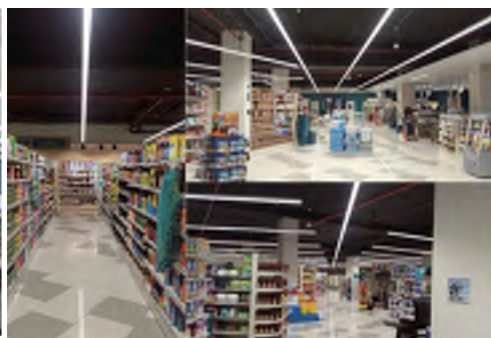
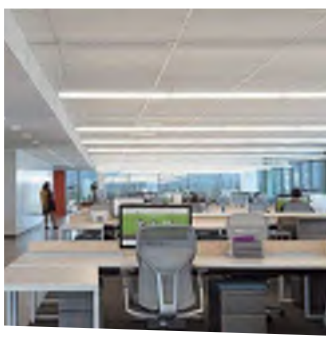
Dimension



| Model | L x W x H |
|--|---------------------------------------|
| E2-LS-WIDE-4-36/40W E2-LS-WIDE-4-36/40W-E E2-LS-WIDE-4-36/40W-M E2-LS-WIDE-4-36/40W-M-E | 1206x115x91 (mm) 48"x4.53"x3.58" |
| E2-LS-WIDE-8-63/85W E2-LS-WIDE-8-63/85W-E E2-LS-WIDE-8-63/85W-M E2-LS-WIDE-8-63/85W-M-E | 2438x115x91(mm) 95.98"x4.53"x3.58" |

Applications

E=Emergency Battery M=Sensor M-E= Sensor & Emergency Battery



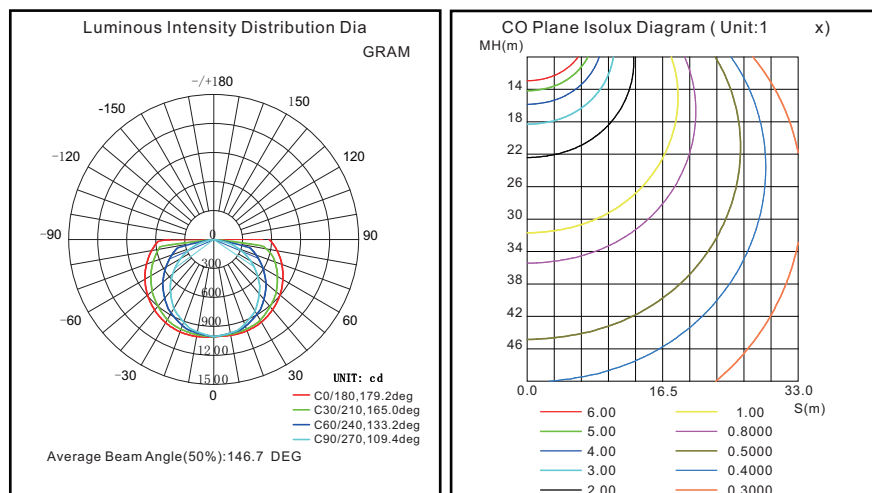
Specifications

| Part No. | Power | Input Voltage | Luminous Flux | Luminous Efficacy | CCT | Viewing Angle | Ra | PF | Warranty |
|---|-------|---------------|---------------|-------------------|-------------------------|---------------|-----|------|----------|
| E2-LS-WIDE-4-36W E2-LS-WIDE-4-36W-E E2-LS-WIDE-4-36W-M E2-LS-WIDE-4-36W-ME | 36W | AC100-277V | 4500 lm | 125Lm/W | 3500K 4000K 5000K | 120° | >80 | >0.9 | 5Years |
| E2-LS-WIDE-4-40W E2-LS-WIDE-4-40W-E E2-LS-WIDE-4-40W-M E2-LS-WIDE-4-40W-ME | 40W | | 5000 lm | | | | | | |
| E2-LS-WIDE-8-63W E2-LS-WIDE-8-63W-E E2-LS-WIDE-8-63W-M E2-LS-WIDE-8-63W-ME | 63W | | 7875 lm | | | | | | |
| E2-LS-WIDE-8-85W E2-LS-WIDE-8-85W-E E2-LS-WIDE-8-85W-M E2-LS-WIDE-8-85W-ME | 85W | | 10625 lm | | | | | | |

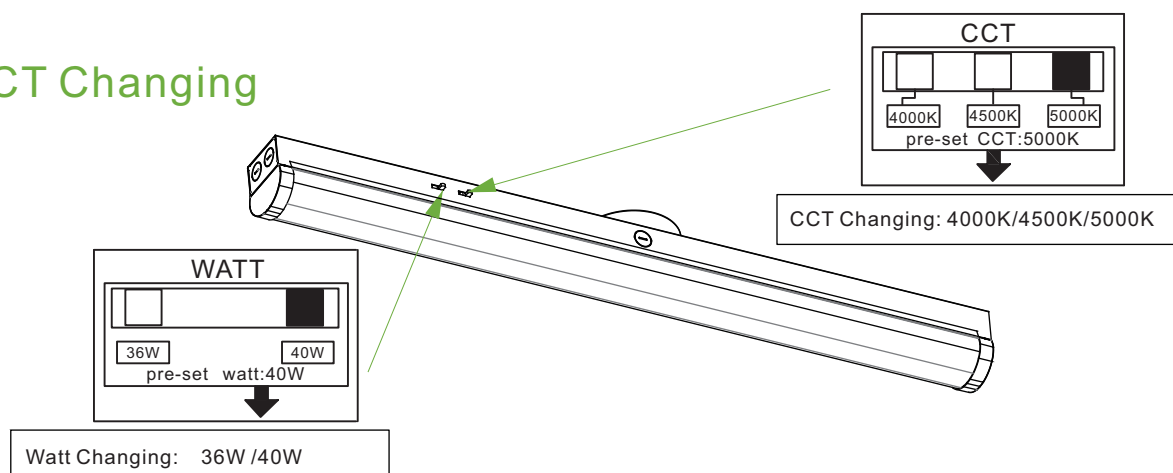
The following multiple functions can be achieved according to customers' requests:

1. CCT options: 3500K, 4000K, 5000K.
2. Available with external or built-in microwave motion sensor.
3. Emergency: the power is 8W, it can still work in 1.5hrs while emergency situation.

Testing Report



CCT Changing



Important

Read this instruction carefully before installation. Keep it for further reference.
Make electrical and grounded connections in accordance with the national electrical code and any applicable code. Always turn off the power supply before installation.
This product must be installed in accordance with the applicable installation code by a qualified electrician who is familiar with the construction and operation of the product and the hazards involved.

WARNING:

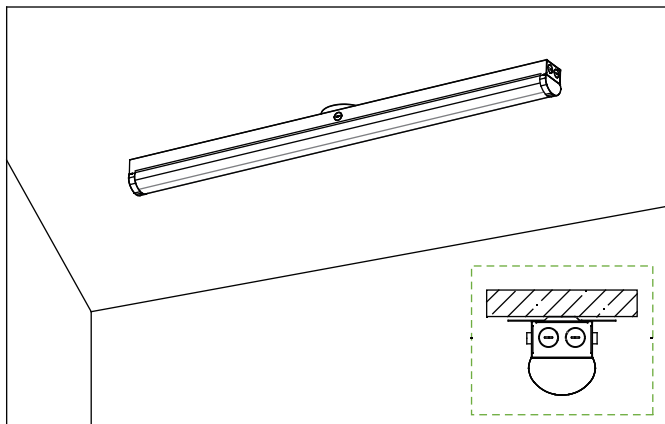
- ⚠ Risk of fire or electric shock. Fixture installation requires knowledge of luminaires electrical systems. If not qualified, Do Not attempt installation. Contact a qualified electrician.
- ⚠ Risk of fire or electric shock. Suitable for wet locations. Always turn off the power supply before installation.
- ⚠ Risk of fire or electric shock. Suitable for non-insulated surface and frame. DO NOT cover fixture with insulation liner or similar material.
- ⚠ DO NOT install fixture on unstable, loose or easily breakable surface.
- ⚠ DO NOT exert force on the surface of the fixture.

Note

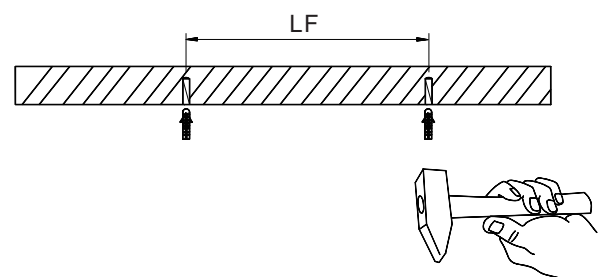
1. The installation and maintenance must be completed by electricians or professionals.
2. Please cut off the power before installation and maintenance.
3. The thermally insulating material is not allowed to cover the fixture.
4. Please keep away from the corrosive substance, and keep the fixture dry and clean.
5. Working temperature: $-4^{\circ}\text{F} \sim 113^{\circ}\text{F}$, storage temperature: $-22^{\circ}\text{F} \sim 140^{\circ}\text{F}$.

Installation manual

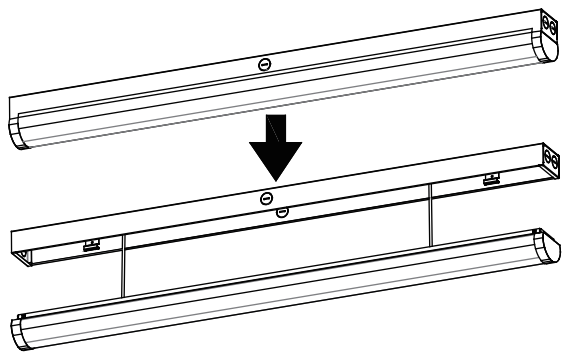
A.Surface-mounted installation



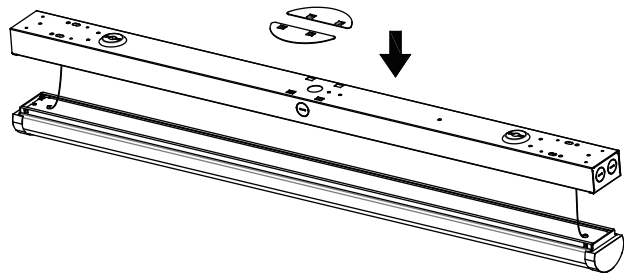
Step1. Punch a hole on the wall and put the expansion tube inside.



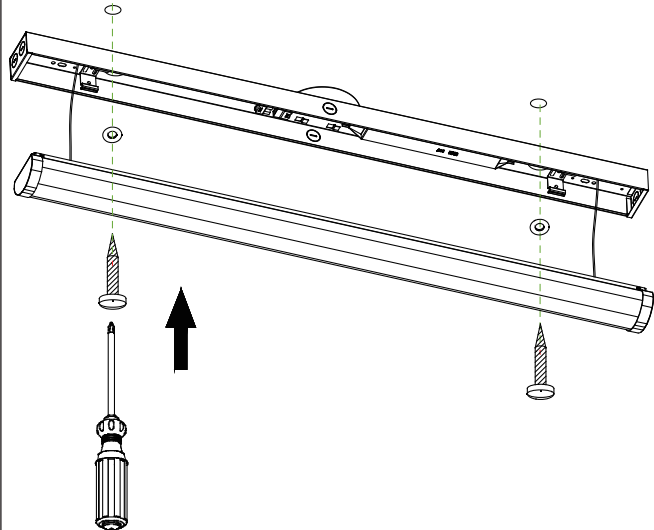
Step2. Press the buckle on both sides and remove



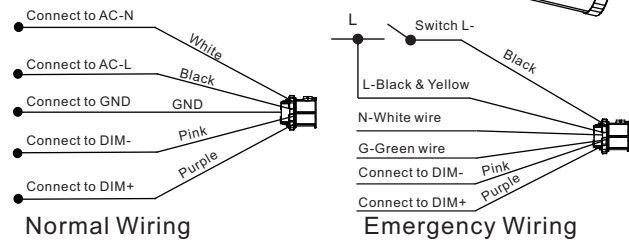
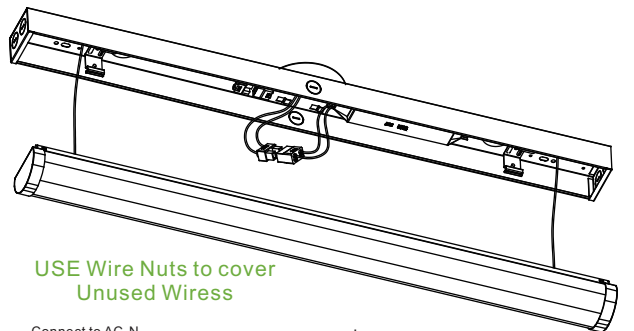
Step3.



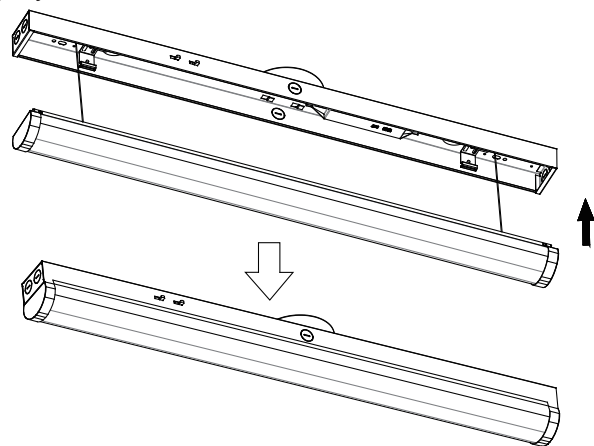
Step4. Secure the fixture on the wall and lock it in tight.



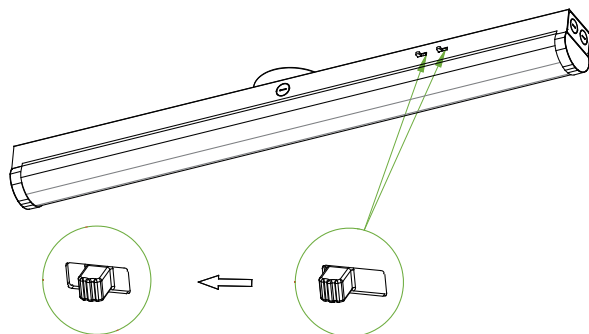
Step5. Turn off the power and wiring by using wire nuts.



Step6. Press upward the cover and lock it with springs tightly which located into the fixture



Step7. Installation completed.



LED CCT Switch and Watt Switch

B.Suspending installation (With chains)

Step1. Fixing the hook and suspending the lamp

Ceiling

Step2.

Power Leads Connection
Remove screw holding access cover plate and remove the necessary knockout

Knockout

Step3. Turn off the power and wiring by using wire nuts

Connect cable wires with appropriate relief strain and wire connectors(ont provided).
Make sure ALL wires are tucked in before reinstalling the cover plate.

From power source

USE Wire Nuts to cover Unused Wires

Turn on the switch

Normal Wiring

- Connect to AC-N White
- Connect to AC-L Black
- Connect to GND GND
- Connect to DIM- Pink
- Connect to DIM+ Purple

Emergency Wiring

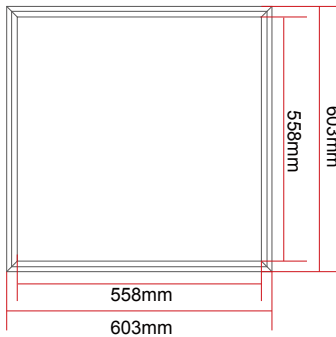
- L Black & Yellow
- Switch L- Black
- N-White wire
- G-Green wire
- Connect to DIM- Pink
- Connect to DIM+ Purple

LED CCT Switch and Watt Switch

E2-PL-2X2-30/35/40/45W-30/35/40/50K-E LED FLAT Wattage + CCT Tunable PANEL LIGHT with 10W Emergency Battery



2x2



603mm * 603mm (2' * 2')

Switch to Tune the Wattage and CCT:



CCT Tunable

Watt Tunable

PRODUCT DESCRIPTION:

Typically used to replace 2'x2' fluorescent fixtures, E2 Lighting's LED flat panel lights are designed to lay in drop ceilings in offices, schools and healthcare applications. The flat panels are available in dimming and non-dimming options and are compatible with building controls, motion sensors, timers and daylight harvesting systems. The unique design of the panels produces side-emitting illumination with high transmittance LGP to achieve even, consistent shadowless light. UL classified/recognized, UL listed, DLC Premium listed and RoHs compliant.

FEATURES:

- 10W Emergency battery with 90 mins
- Simple, chic and elegant appearance and non-discoloring
- Greater than 80% energy savings compared to traditional grid fixtures
- Instant startup, perfect light uniformity, soft light, no glare, no noise, no strobe
- 50,000 Hours L70 Lifespan
- Wattage tunable: 30W-35W-40W-45W
- CCT tunable: 3000K-3500K-4000K-5000K
- UL and DLC® Premium 5.0

APPLICATION:

- 2x2 Luminaires for Ambient Lighting of Interior Commercial Spaces
- Widely used in Office Buildings, Plants, Schools, Supermarkets, Hotels, Meeting Rooms, Exhibition Halls, Underground Garages and all other environments in need of High Energy Savings and High CRI

TESTED DATA:

- Technical requirements Version: 5.0
- Classification: Premium
- Light Output: 3300-4900lm
- Wattage: 30W, 35W, 40W, 45W
- Efficacy: 110 lm/W
- CCT: 3000K, 3500K, 4000K, 5000K
- CRI: >82
- THD: <15%
- Frequency: 50-60Hz
- Input Voltage: AC100-277V
- IP Rating: IP40
- Working Environment: -4°F-122°F
- Beam Angle: 120°
- Dimming Compatible: 0-10V dimming
- Mercury Content: No Hg
- Material: Aluminum + High quality LGP
- Lens: Polycarbonate
- Net Weight: 9.23 lbs

WARRANTY:

E2 warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish. Please see our complete warranty terms located at www.e2lightingusa.com.

E2-PL-2X2-30/35/40/45W-30/35/40/50K-E LED FLAT Tunable PANEL LIGHT with 10W Emergency Battery

| Product Number | Watt | Color | Certifications | Dimmable | Voltage | Lumens | Working Hours | CRI |
|---------------------------------------|--------------------------|----------------------------------|-----------------------|-------------------------|------------|--------------------------------------|---------------|-----|
| E2-PL-2X2-30/35/40/45W-30/35/40/50K-E | 30W 35W 40W 45W | 3000K 3500K 4000K 5000K | UL & DLC® Standard | Yes 0-10V dimming | AC100-277V | 3300lm 3850lm 4400lm 4900lm | 50,000hrs | ≥82 |

1. 3000K, 3500K, 4000K, 4500K 5000K CCT are Tunable

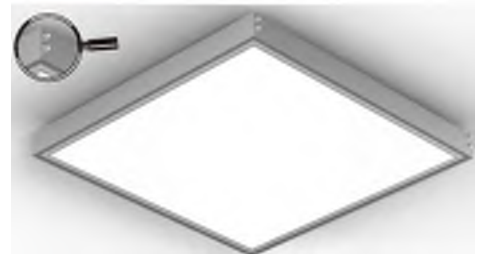
Standard: Drop Ceiling



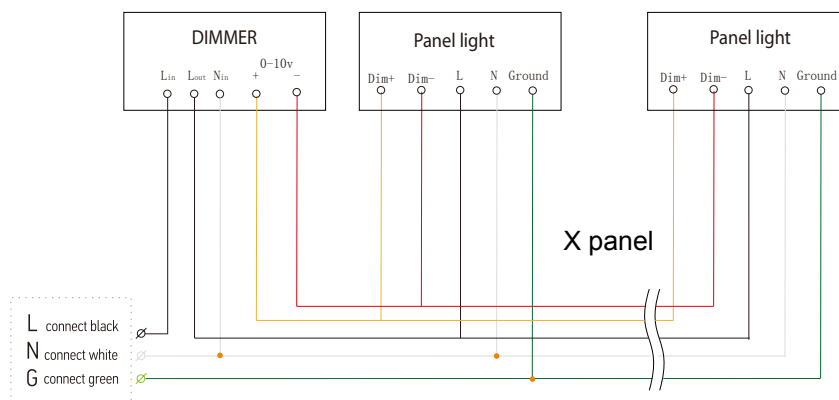
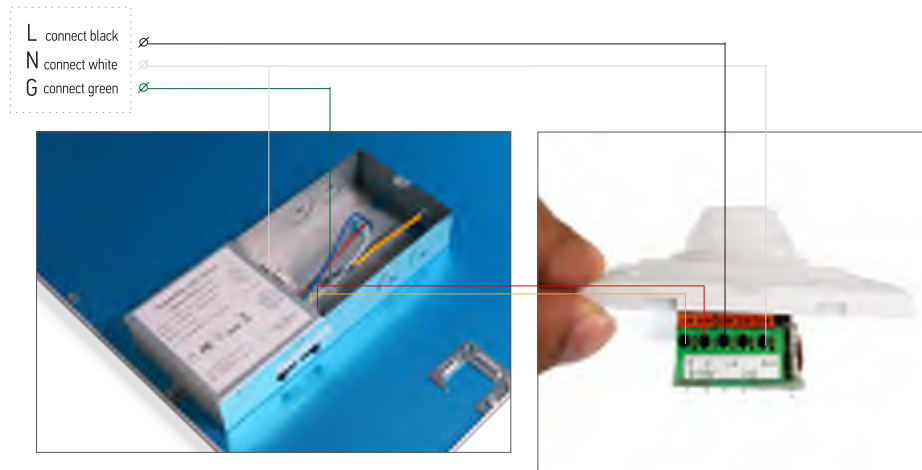
Option: Suspension Mount



Option: Surface Mount



Wiring of panel light with 0-10V dimmable driver



Project Name: _____ Catalog Number: _____

Notes: _____ Fixture schedule: _____

LED AREA/ PARKING LOT LIGHT E2 SB XXW HL S2 SERIES

Less than 2% Blue light



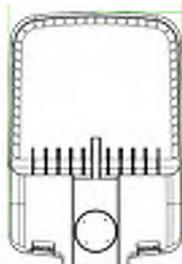
Product Description

The E2-SB-XXW-HL-S2 Series LED Area Light features a sleek appearance and powered by powerful LEDs utilizing Internal Reflectance Optic Technology and Rotatable Optics. Optional Occupancy & Photocell sensors for maximum energy savings. Smart City sensors and IOT Controller ready. Install sensors at any time hassle free. The All around ventilated design allows air to fully pass through gaps, to remove and reduce heat; extending the life of the fixture.

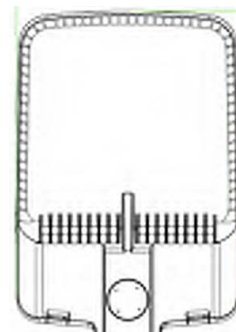
Features

1. Patented Self-Cleaning Smooth Body
2. Single Person Easy Installation
3. Tunable wattage- 48w/80w/100w adjustable
4. Tool-free safety switch, easy installation & Maintain
5. Zero Uplight ensures IDA Approval
6. Type III / IV / V lighting distributions meet various area lighting requirements
7. Built-in occupancy & photocell sensor available for maximum energy savings. comply with Title24
8. Versatile mounting options, suitable for any application.

Physical Dimensions



SIZE 285x523*60mm Max 180W



SIZE 368x541*75mm Max 320W

Optional Accessories



Photocell



Plug-in Photocell



PIR Sensor



Shorting Cap



DIP Switch of 4 Watts
Selectable function

Project Name: _____ Catalog Number: _____

Notes _____

Fixture schedule: _____

Bracket Optional

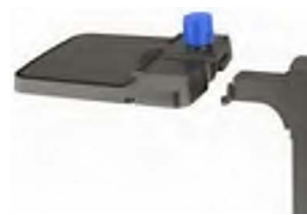
Slip Fitter



Square Pole Arm Mount



Round Pole Arm Mount



Trunnion Mount



Specifications

| | | | | | |
|------------------|--|--|--|--|--|
| Wattage | TUNABLE WATTAGE: 48W, 80W, 100W | | | | |
| CCT | Less than 2% Blue light | | | | |
| CRI | 53+ | | | | |
| Beam Angle | TYPE3, TYPE4, TYPE5 | | | | |
| Input Voltage | 100-277V/347Vac | | | | |
| Surge Protection | 6KA/10KA | | | | |
| Function | 1-10V Dimming, Photocell, Motion Sensor Optional | | | | |
| Power Factor | >0.95 | | | | |
| IP Rating | IP66/Wet Location | | | | |
| Working Temp | -40℃ 50℃ (-40℉ 122℉) | | | | |
| Storage Temp | -40℃ 70℃ (-40℉ 158℉) | | | | |
| Finish | Dark Bronze | | | | |
| Life span(>70) | 80,000+ hr @ 64 Celsius | | | | |
| Warranty | 5 Years warranty | | | | |
| Certification | ETL, DLC* *DLC IN 3000K - 5000K MODELS | | | | |

| Config. | 1 | 2 @ 90 | 2 @ 180 | 3 @ 120 | 3 @ 90 | 4 @ 90 |
|---------|-----|--------|---------|---------|--------|--------|
| EPA | 0.7 | 1.0 | 1.4 | 1.5 | 1.5 | 1.5 |

Project Name _____ Catalog Number: _____

Notes: _____ Fixture schedule _____

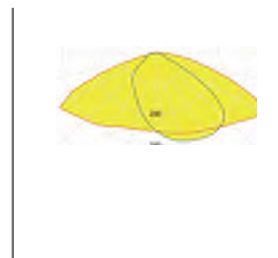
Order information

Sample: E2-SB-48100W-HL-S2

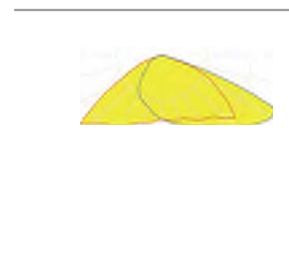
| Product Family | -XXX CCT | -Y Dimmable | (X) Brackets | Options(add suffix) |
|--------------------|--------------------------|--------------------------------|---|--|
| E2-SB-48100W-HL-S2 | HL-S2= <2% Blue light | P=Photocell S Motion Sensor | A=Slip Filter B=Arm Bracket C=Trunion D= "U" YOKE Bracket | BK Black Finish WH White Finish T4 = T4 Distribution T5 = T5 Distribution Other customized |

In Standard: Dark Bronze Finish;100-277V. 50-60Hz. T3 Distribution; Photocell, Square/Rd pole mount.

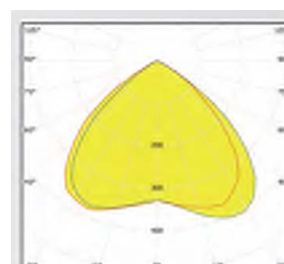
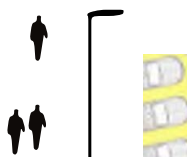
● TYPE 3



● TYPE 4



● TYPE 5



LED SHOE BOX PARKING LIGHT

Model: E2-SB-XXW-50K

Motion Sensor



3/5/7 Pin photocell

PRODUCT DESCRIPTION:

The E2 Lighting LED Shoe Box Parking Light is the ideal LED solution well-suited for distributing light in parking lots, streets and wall areas. Adjustable installation angles from -90~+90° with adjustable-fitter mount (other mounts available). Uses high-efficiency LM-80 LED chips to produce over 130 lm/W. Standard finish is dark bronze powder finish. ETL classified/recognized, ETL listed, DLC* listed and RoHS compliant.

FEATURES:

- Module lens design provides for well-suited lighting distribution
- LM-80 LEDs 130 lmw+ Chip, Sosen driver
- Installation angle -90~+90 deg is adjustable
- Photocell sensor, Motion sensor option available
- ETL and DLC® Premium 5.1
- L70 lifespan projected to be 100,000 hours
- 5 year limited warranty

APPLICATION:

- Outdoor Pole/Arm-Mounted Area and Roadway Luminaires
- Architectural, Industrial, Factory, Gym, Garden, Seaport, etc.

TESTED DATA:

- Technical requirements Version: 5.1
- Classification: Premium*
- Light Output: 13,000 lm, to 65,000lm
- Wattage: 100W, 150W, 200W, 300W, 400W, and 500W
- Efficacy: >130+ lm/W
- CCT: 2600K, 3000K, 4000K, 5000K
- Frequency: 50-60Hz
- Input Voltage: AC100-277V, 277-480V
- IP Rating: IP65
- Working Environment: -40°F-122°F
- Beam Angle: Type III, V
- Lens: Polycarbonate
- *3000K - 5000K Models DLC Listed*

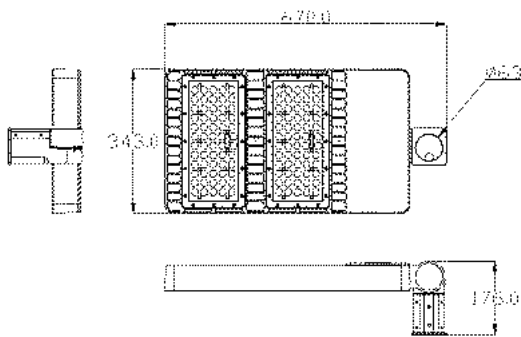
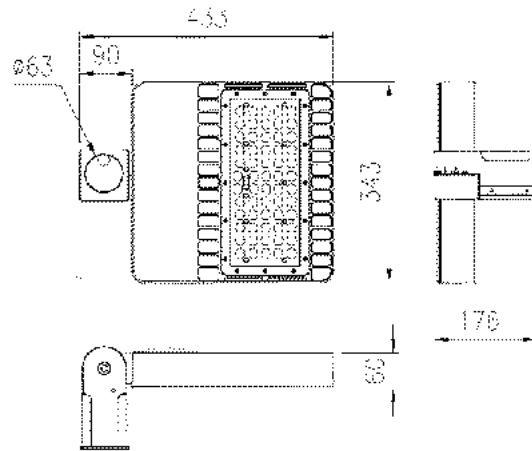
| Product Number | Wattage | Color | Certifications | Dimmable | Voltage | Lumens | L70 | Sensor |
|----------------|---------|---|------------------------------------|------------|--------------------------|-----------|------------|-----------------------------------|
| E2-SB-100W-50K | 100W | 2600K = HL-S 3000K = 30K 4000K = 40K 5000K = 50K | ETL & DLC®* Standard Premium | Option:Yes | AC100-277V AC277-480V | 13,000 lm | 100,000hrs | P =Photocell MS- Motion sensor |
| E2-SB-150W-50K | 150W | | | | | 19,500 lm | | |
| E2-SB-200W-50K | 200W | | | | | 26,000 lm | | |
| E2-SB-300W-50K | 300W | 2600K = HL-S 3000K = 30K 4000K = 40K 5000K = 50K | ETL & DLC®* Standard Premium | Option:Yes | AC100-277V AC277-480V | 39,000 lm | 100,000hrs | P =Photocell MS- Motion sensor |
| E2-SB-400W-50K | 400W | | | | | 52,000 lm | | |
| E2-SB-500W-50K | 500W | | | | | 65,000 lm | | |

Dimension: mm

For Models:

E2-SB-100W-50K

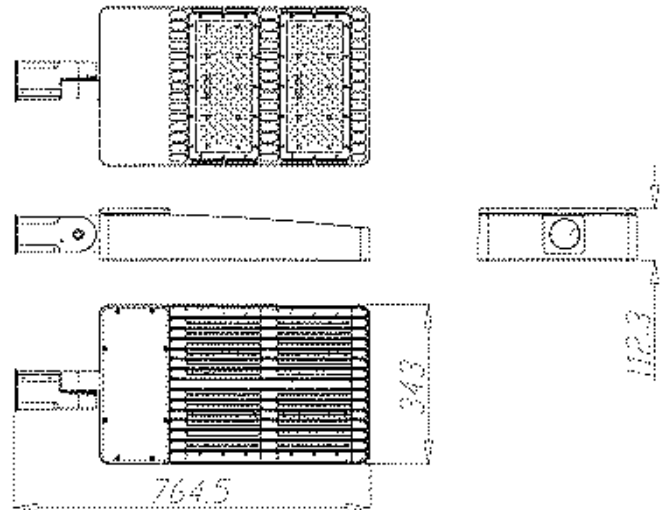
E2-SB-150W-50K



For Models:

E2-SB-200W-50K

E2-SB-300W-50K



For Models:

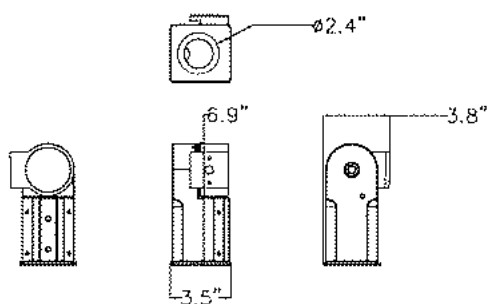
E2-SB-400W-50K

E2-SB-500W-50K

Mounting Options: Gen 1

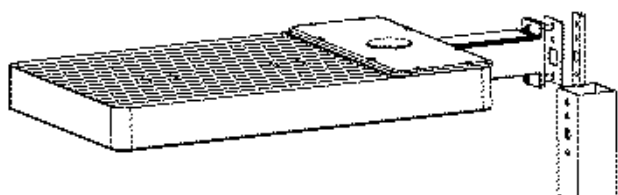
Dimension (Suitable for 2 3/8"/60mm diameter)

A



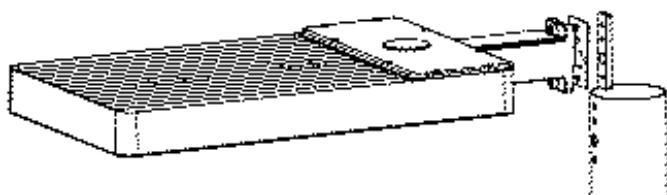
Slip fitter

B



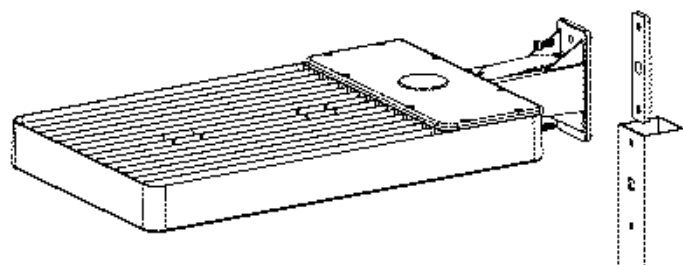
Square Pole

C



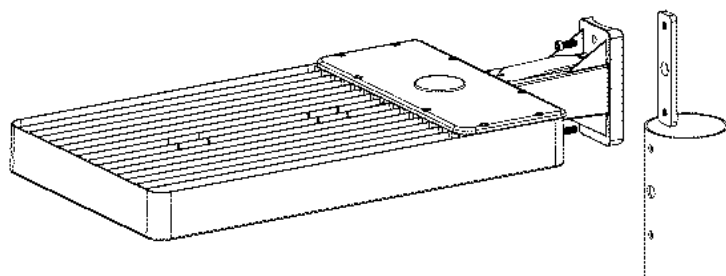
Round Pole

D



Square Pole

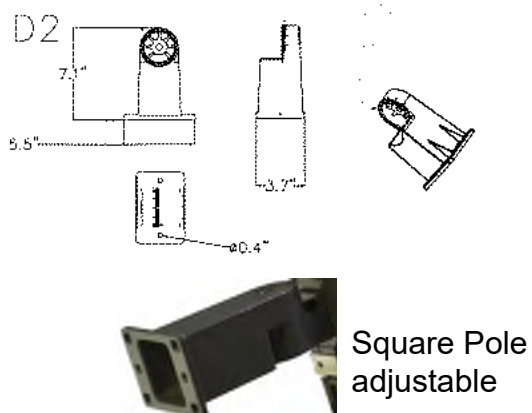
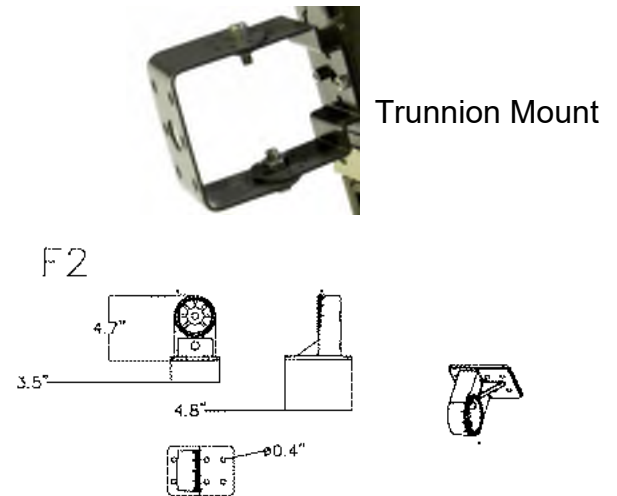
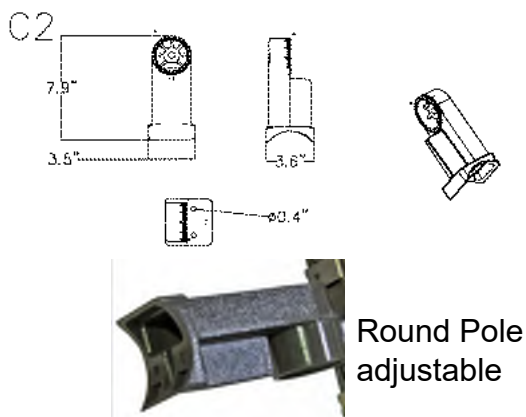
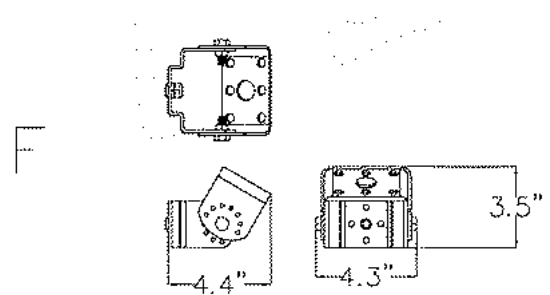
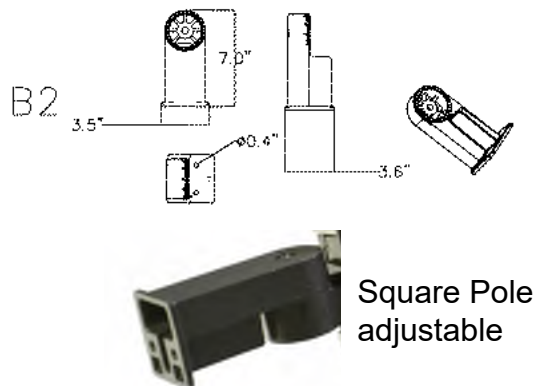
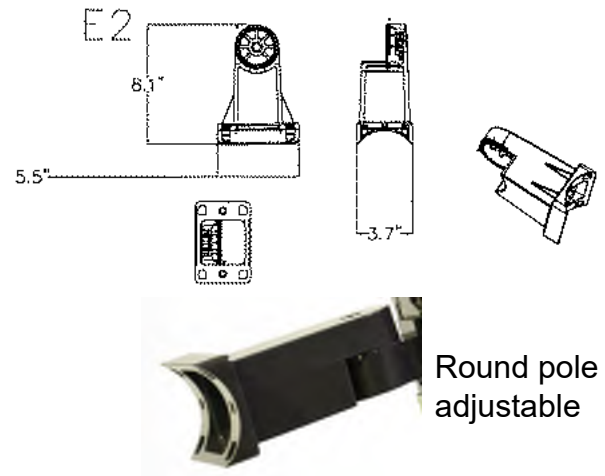
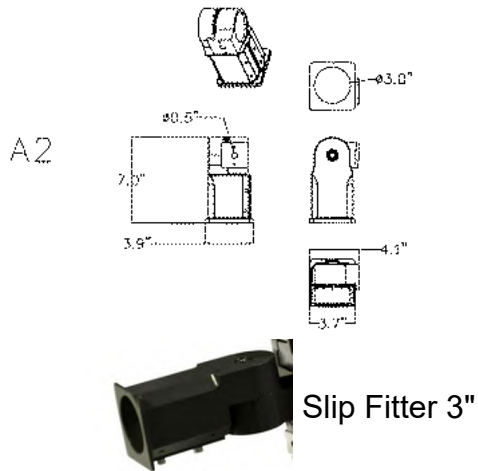
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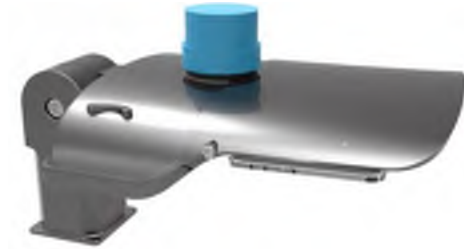


Round Pole

Mounting Options: Gen 2

Dimension (Suitable for 3"/76mm diameter)



LED SHOE BOX PARKING LIGHT**Model: E2-SB-G4-XXW-50K***"Observatory friendly"*

Motion Sensor



3/5/7 Pin photocell

PRODUCT DESCRIPTION:

The E2 Lighting LED Shoe Box Parking Light is the ideal LED solution well-suited for distributing light in parking lots, streets and wall areas. Adjustable installation angles from – 90°~+90° with adjustable-fitter mount (other mounts available). Uses high-efficiency LM-80 LED chips to produce over 150 lm/W. Standard finish is dark bronze powder finish. ETL classified/recognized, ETL listed, DLC* listed and RoHs compliant.

FEATURES:

- Module lens design provides for well-suited lighting distribution
- LM-80 LEDs 150 lm/w+ Chip, Sosen driver
- Installation angle -90~+90 deg is adjustable
- Photocell sensor, Motion sensor option available
- ETL and DLC® Standard 4.4*
- L70 lifespan projected to be 100,000 hours
- 5 year limited warranty

APPLICATION:

- Outdoor Pole/Arm-Mounted Area and Roadway Luminaires
- Architectural, Industrial, Factory, Gym, Garden, Seaport, etc.

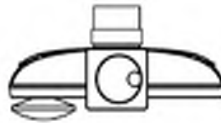
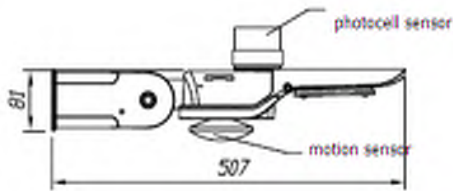
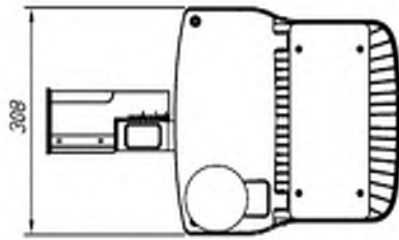
TESTED DATA:

- Technical requirements Version: 4.4*
- Classification: Standard/Premium*
- Light Output: 7200 lm, 12,000 lm, 15,000 lm, 22,500 lm, 30,000 lm, 45,000 lm
- Wattage: 48W, 80W, 100W, 150W, 200W, 300W
- Efficacy: >150+ lm/W
- Power Factor: >0.9
- CCT: 2600K, 3000K, 4000K, 5000K
- THD: <20 %
- Frequency: 50-60Hz
- Input Voltage: AC100-277V, 180-480V
- IP Rating: IP65
- Working Environment: –40°F-122°F
- Beam Angle: Type III, V
- Dimming Compatible: Yes
- Mercury Content: No Hg
- Lens: Polycarbonate
- *3000K - 5000K Models DLC Listed*

| Product Number | Wattage | Color | Certifications | Dimmable | Voltage | Lumens | L70 | Sensor |
|-------------------|---------|---|--|------------|------------------------------|-----------|------------|-----------------------------------|
| E2-SB-G4-48W-50K | 48W | 2600K = HL-S 3000K = 30K 4000K = 40K 5000K = 50K | ETL & DLC®* Standard Premium | Option:Yes | AC100-277V AC180-480V | 7200 lm | 100,000hrs | P =Photocell MS- Motion sensor |
| E2-SB-G4-80W-50K | 80W | | | | | 12,000 lm | | |
| E2-SB-G4-100W-50K | 100W | | | | | 15,000 lm | | |

| | | | | | | | | |
|-------------------|------|---|--|------------|------------------------------|-----------|------------|-----------------------------------|
| E2-SB-G4-150W-50K | 150W | 2600K = HL-S 3000K = 30K 4000K = 40K 5000K = 50K | ETL & DLC®* Standard Premium | Option:Yes | AC100-277V AC180-480V | 22,500 lm | 100,000hrs | P =Photocell MS- Motion sensor |
| E2-SB-G4-200W-50K | 200W | | | | | 30,000 lm | | |
| E2-SB-G4-300W-50K | 300W | | | | | 45,000 lm | | |

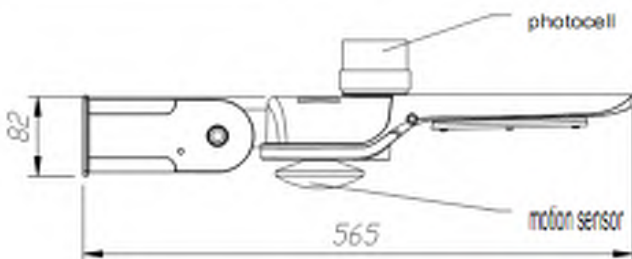
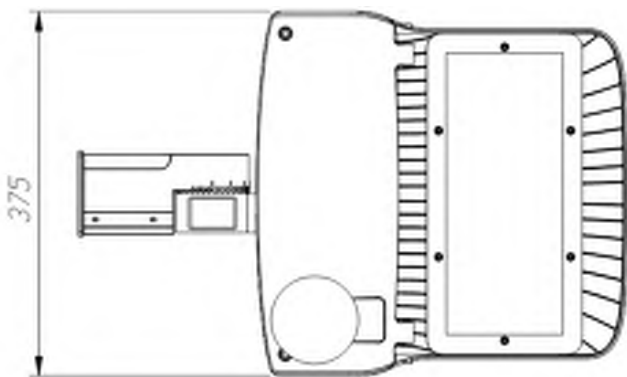
Dimension: mm



For Models:

E2-SB-G4-48W-50K

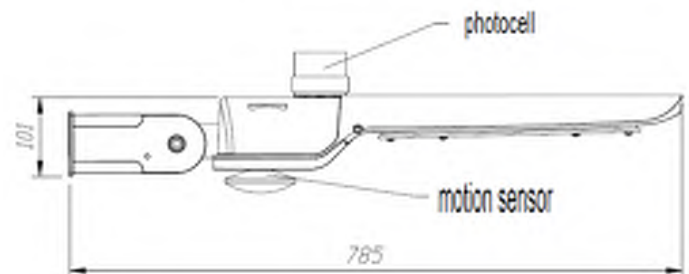
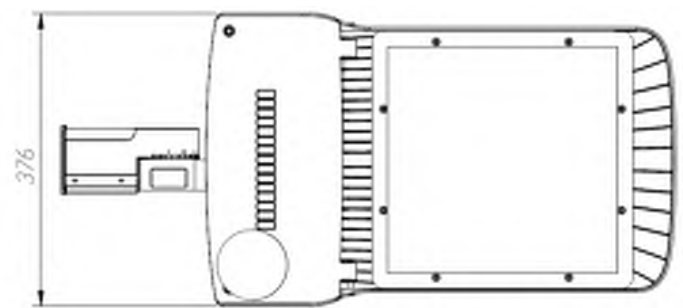
E2-SB-G4-80W-50K



For Models:

E2-SB-G4-100W-50K

E2-SB-G4-150W-50K



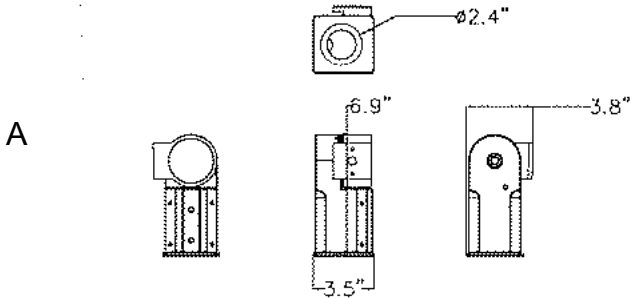
For Models:

E2-SB-G4-200W-50K

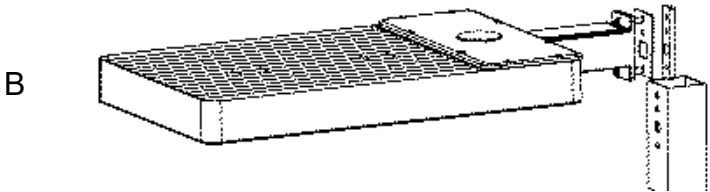
E2-SB-G4-300W-50K

Mounting Options: Gen 1

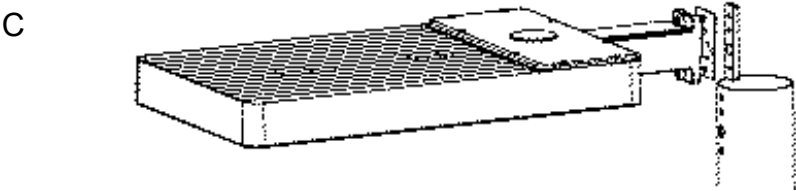
Dimension (Suitable for 2 3/8"/60mm diameter)



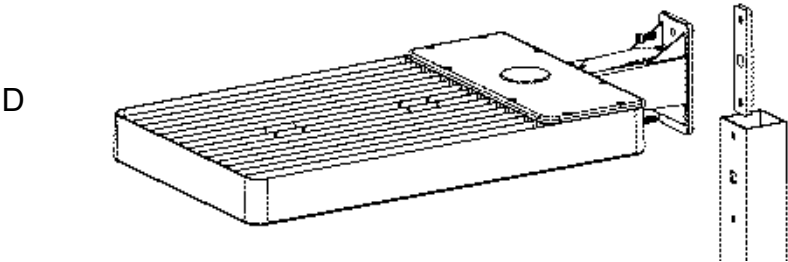
Slip fitter



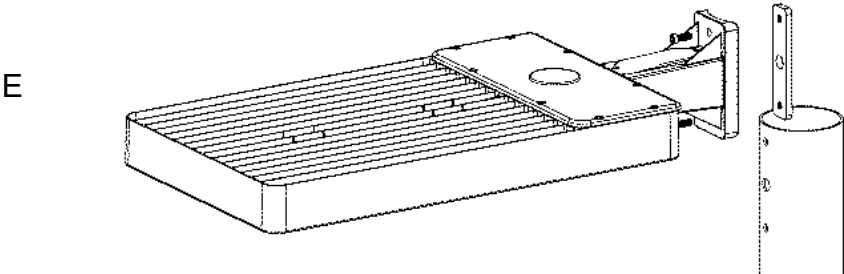
Square Pole



Round Pole



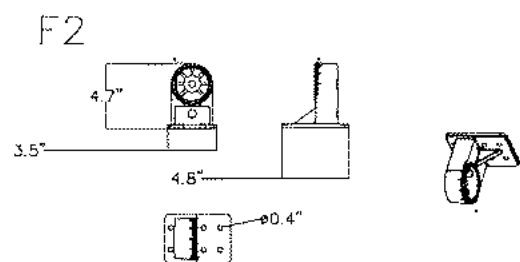
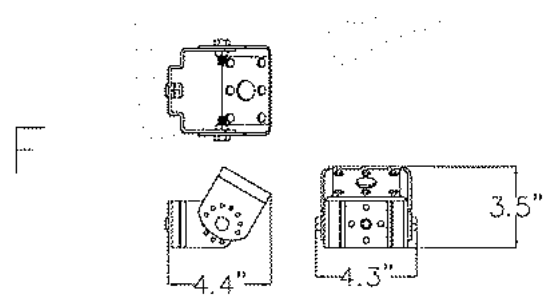
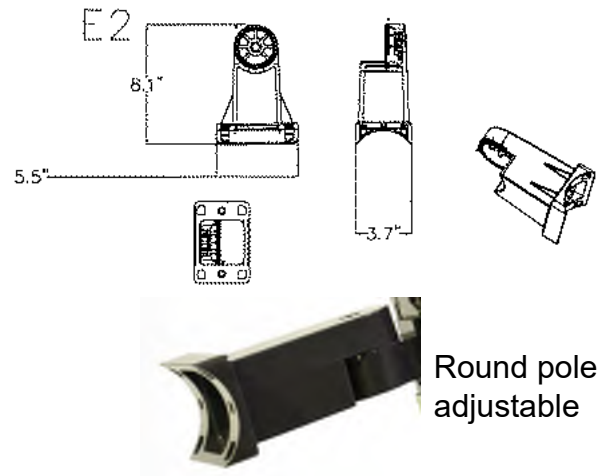
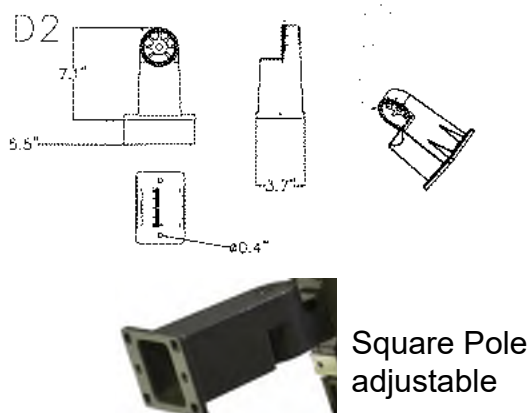
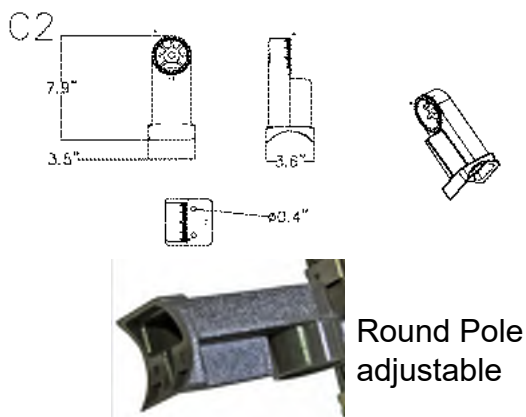
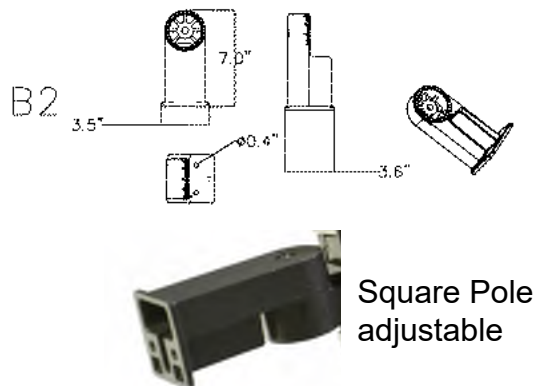
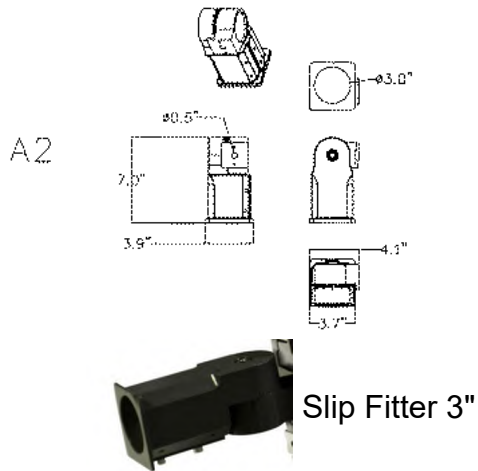
Square Pole



Round Pole

Mounting Options: Gen 2

Dimension (Suitable for 3"/76mm diameter)

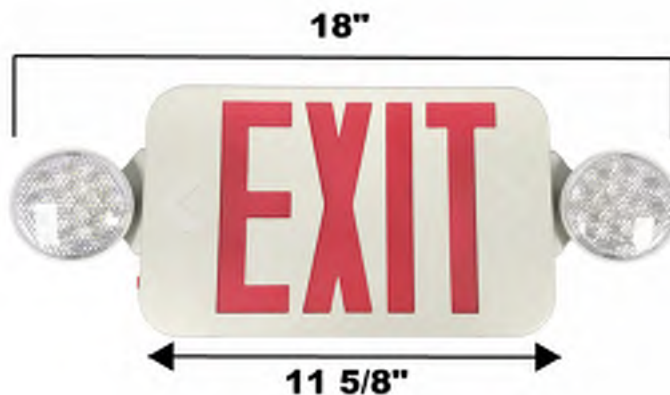


E2-SETC22**NEW****LED Exit Sign Combo**
with Emergency Battery Backup**adjustable light heads****test button & indicator light****PRODUCT DESCRIPTION:**

The E2-COMBO LED Exit Sign is of the latest versions of this industry standard. This sign combines emergency exit lights and the exit sign together, with an integrated emergency battery backup, into one fixture. The 1.2W LED light heads are adjustable and can be aimed to the best desired angle. This sign is also equipped with a self diagnostic test button and an indicator light showing that the emergency battery backup system is operating properly.

FEATURES AND STANDARDS:

- Dual 120/277 voltage
- Indirect placement for diffused legend output
- Flame-Retardant, High-Impact, Thermoplastic Housing
- Ceiling or Back Mount
- Integrated Solid State System
- Constant Current, Controlled Automatic Charger Circuit
- Low-Voltage Battery Cutoff
- Brownout Sensitivity
- Maintenance-Free Rechargeable Sealed Nickel Cadmium Battery
- Test Switch
- Led (power On) Indicator

**WARRANTY**
5 Year Warranty

| Product Number | Wattage | Color | Certifications | Dimmable | Voltage | Lumens | Working Hours | CRI |
|----------------|-----------------------------|-------|-------------------------------|----------|--------------|--------|--------------------------|-----|
| E2-SETC22 | 4W @ 120, 5.2W @ 277V | RED | UL DAMP LOCATION LISTED | NO | 120- 277V | | EMERGENCY MODE-90min. | |

Ceiling Mount**Wall Mount**

* must connect internal battery before fixture installation

E2-SETE30 Double Face Exit Sign

NEW

Test Button & Indicator Light

DIMENSIONS



PRODUCT DESCRIPTION:

The E2-SETE30, Exit Sign with integrated emergency battery backup is of the latest versions of this industry standard. This sign is equipped with a self diagnostic test button and an indicator light showing that the emergency battery backup system is operating properly.

FEATURES AND STANDARDS:

- Injection-molded thermoplastic ABS housing 5VA flame rating.
- Innovative, easy installation in minutes.
- Red letters.
- Double face.
- 120/277VAC dual voltage operation.
- Built-in 1.2V 700mAh rechargeable Ni-cd battery for minimum 90 minutes emergency operation.
- Maximum 24 hours for full recharge time.
- Test switch and charge indicator.
- UL and CUL listed.

WARRANTY:

E2 warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish. Please see our complete warranty terms located at www.e2lightingusa.com.

E2-SETE30 Double Face Exit Sign

Page: 2 of 2

| Product Number | Wattage | Color | Certifications | Dimmable | Voltage | Lumens | Working Hours | CRI |
|----------------|-----------------------------|-------|-------------------------------|----------|--------------|--------|--------------------------|-----|
| E2-SETE30 | 4W @ 120, 5.2W @ 277V | RED | UL DAMP LOCATION LISTED | NO | 120- 277V | | EMERGENCY MODE-90min. | |

Side Mount



Wall Mount



* must connect internal battery before fixture installation

PROJECT NAME:

CATALOG NUMBER:

NOTES:

FIXTURE SCHEDULE:

E2 ST SERIES

2,000 - 10,000 Lumens

Bi-Level Motion Dimming

STANDARD KELVIN TEMPS ARE 3000K-6000K, LESS THAN 2% BLUELIGHT AVAILABLE.



E2 ST SERIES

2,000 - 10,000 Lumens
Bi-Level Motion Dimming

APPLICATIONS:

Surface Streets & Service Roads, All Residential, Commercial, Service Industry & Government Facilities, Parks, Bus Stops, crosswalks, Walk & Bike Paths, Schools

FEATURES:

- 3 Lighting Modes
- Energy Saving PIR Motion Sensor
- ALS 2.0 + VFT + TCS Technology For All Night Lighting
- Material: Aluminum Alloy & Tempered Glass
- Solar Charging Time : 10 Hours
- Lighting Time : Approximately 7 Nights
- 3 Year Warranty On Battery
- No Wiring or Utility Power Required. No Trenching!

| PRODUCT NO. | LUMENS | LI-ION BATTERY | SOLAR PANEL | SIZE | WEIGHT | LED LIFE | CRI |
|-------------|--------|----------------|-------------|-------------------|--------|-----------|-----|
| E2-ST2 | 2,000 | 40AH 3.7V | 18W | 678 x 303 x 84mm | 36LBS | 50,000hrs | 83 |
| E2-ST3 | 3,000 | 50AH 3.7V | 21.6W | 812 x 303 x 84mm | 36LBS | 50,000hrs | 83 |
| E2-ST4 | 4,000 | 70AH 3.7V | 30.6W | 963 x 303 x 84mm | 41LBS | 50,000hrs | 83 |
| E2-ST5 | 5,000 | 90AH 3.7V | 43.2W | 1326 x 303 x 84mm | 56LBS | 50,000hrs | 83 |
| E2-ST6 | 6,000 | 110AH 3.7V | 48.15W | 1095 x 381 x 84mm | 65LBS | 50,000hrs | 83 |
| E2-ST7 | 7,000 | 130AH 3.7V | 57.6W | 1326 x 381 x 84mm | 65LBS | 50,000hrs | 83 |
| E2-ST8 | 8,000 | 150AH 3.7V | 72W | 1563 x 381 x 84mm | 87LBS | 50,000hrs | 83 |
| E2-ST9 | 9,000 | 160AH 3.7V | 72W | 1563 x 381 x 84mm | 87LBS | 50,000hrs | 83 |
| E2-ST10 | 10,000 | 180AH 3.7V | 72W | 1563 x 381 x 84mm | 89LBS | 50,000hrs | 83 |

PROJECT NAME:

CATALOG NUMBER:

NOTES:

FIXTURE SCHEDULE:

E2 ST SERIES

2,000 - 10,000 Lumens

Bi-Level Motion Dimming



ALL-IN-ONE DESIGN:

- Battery, LED Lights & Solar Panel
- Aluminum Alloy
- IP65 Rated

UNIQUE FEATURES:

- No Utility Power Required
- Zero Increase to Power Bills
- No Trenching to Add New Lights
- Increase Safety to Dark Areas

DETACHABLE CONSTRUCTION:

- Battery Pack
- LED
- Panel Casing
- Solar Panel

BATTERY:

- Lithium Power Battery
- 1500 Life Cycles
- Long Lasting Power
- 3 Year Battery Warranty
- Replaceable / Serviceable Battery

LIGHTING ELEMENTS:

- High Efficiency LED with 50,000 Plus Hour Lifespan
- SEOUL Manufacturer / Technology

3 LIGHTING MODE OPTIONS:

- M1: 30% Brightness + PIR Until Dawn
- M2: 5 Hours 100% Brightness + 5 Hours PIR with 25% Dim Light + 70% Brightness Until Dawn
- M3: 70% Brightness Until Dawn

PROJECT NAME:

CATALOG NUMBER:

NOTES:

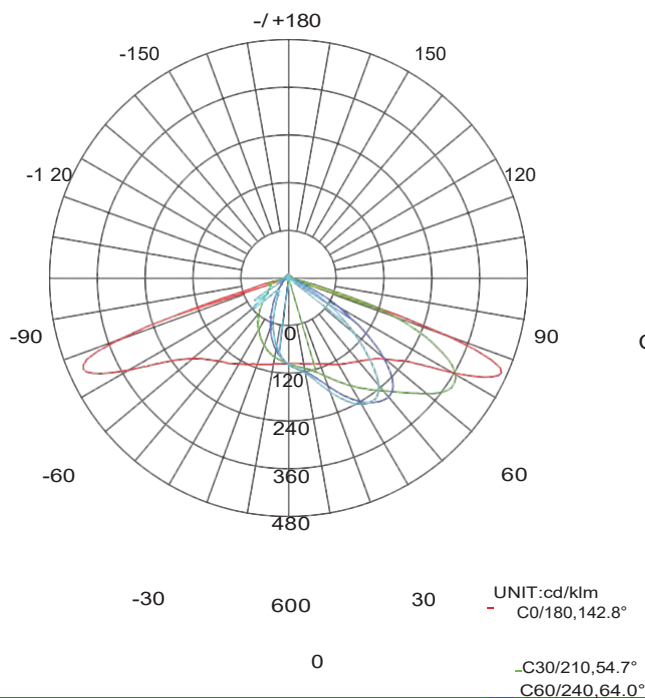
FIXTURE SCHEDULE:

SUGGESTED MOUNTING HEIGHTS

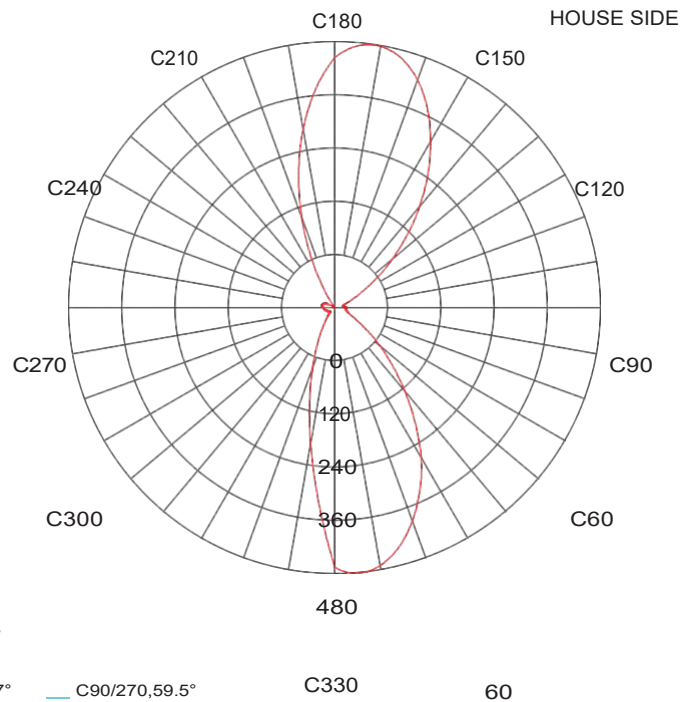
| PRODUCT NUMBER | LUMENS | INSTALLATION HEIGHT |
|----------------|--------|---------------------|
| E2-ST2 | 2,000 | 2-3 METERS |
| E2-ST3 | 3,000 | 3-4 METERS |
| E2-ST4 | 4000 | 4-6 METERS |
| E2-ST5 | 5,000 | 4-6 METERS |
| E2-ST6 | 6,000 | 5-7 METERS |
| E2-ST7 | 7,000 | 5-7 METERS |
| E2-ST8 | 8,000 | 6-8 METERS |
| E2-ST9 | 9,000 | 6-8 METERS |
| E2-ST10 | 10,000 | 6-8 METERS |

PHOTOMETRICS FOR 2000-5000 LUMEN FIXTURES

INTENSITY DISTRIBUTION DIAGRAM IN C PLANS



MAX INTENSITY CONE SURFACE DISTRIBUTION DIAGRAM



Project Name: _____ Catalog Number: _____

Notes: _____ Fixture schedule: _____

Emergency LED T8 Tube

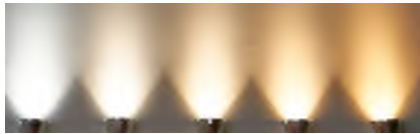
E2-T8-4FT-18W-EBBU-CCT



ETL CLASSIFIED



Intertek



5000K 4000K 3500K 3000K 2700K



Dimension

Product Description:

The Emergency LED T8 Tube light is safe and reliable product. Built - in constant current driving power supply to provide stable current for the light, with over current / overload / over voltage protection function. The high quality comes from top chip company we cooperation with. The best material of environmentally friendly we choice. Tunable CCT from 2700K to 5000k.

Features

- AC100-277V Input voltage
- 4FT integrated emergency LED T8 2700K & 3000K & 3500K & 4000K & 5000K
- Built-In 6w Emergency Pack
- Aluminum heat-sink for long lifetime
- ETL

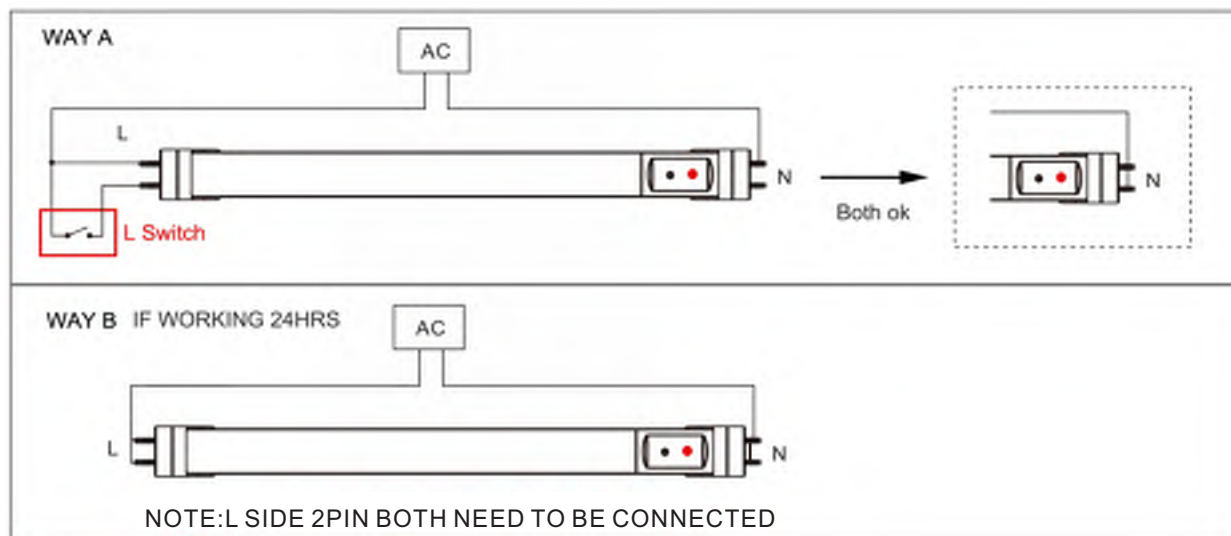
Specifications

| | | | |
|-----------------------|------------|------------------------|------------|
| Input voltage | 100-277VAC | Emergency output power | 6 W |
| Input frequency | 50/60 Hz | Emergency mode Lumen | 780 Lumens |
| Battery specification | 6.4V | AC oulput pover | 18 W |
| Emergency time | 1.5H | AC mode Lumen | 2340lm |

Application

Ideal for school, hospitality, retail, office,home etc.

Wiring Diagram



CAUTIONS:


Please read this manual carefully before installing emergency tube.

Please turn off AC power before rewiring and installation.

Ensure that L and N of the tube are properly connected to L and N of the AC power supply!



Instruction

| | | |
|---|---|---|
|  | A. Finish installation, Push CCT button to change CCT “5000K-4000K-3500K-3000K-2700K-Turn Off repeat | |
| | B. Test Button 1. Push test button when AC power on no mater switch on/off LED T8 turn to Emergency Mode 2. When Power Off and LED T8 turn to Emergency Mode Push down the Test Button 3 seconds and turn off the T8 , it will only work after AC power on | |
| | C. LED Indicator Charing-slow flickering Normal state- Turn off | Issue-quick flickering Emergency Mode- Turn on |

Project Name: _____ Catalog Number: _____

Notes: _____ Fixture schedule: _____

LED Full Cutoff Wall Pack Light E2-WPF-WP09-50/60/70/80W-30/40/50K



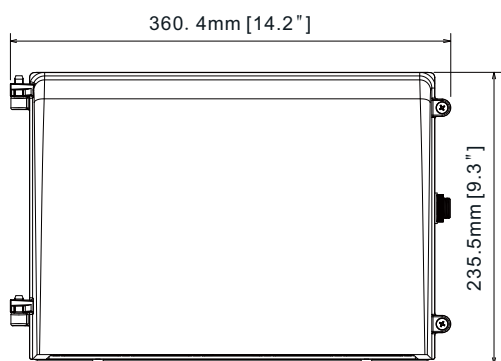
Product Description

Wall pack light is a modern design light which combined tradition and fashion style. Two parts cast aluminum alloy housing with powder coat paint finish and a tempered glass lens,.Fast heat dissipation and easy disassembly and assembly.

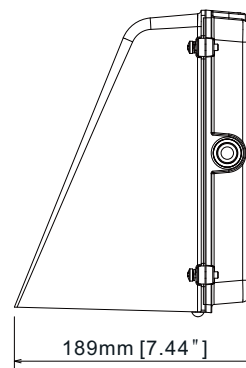
Features

1. High brightness SMD 135lmw
2. Isolated constant current led driver, the light work stably
3. Wattage selectable
4. Input Voltage: AC 120-277V/ 50-60Hz
5. 0 - 10V Dimmable
6. Housing color: Brown
7. Certificates: DLC(5.1) Premium UL/cUL
8. 5 years warranty

Physical Dimensions



50W-80W



Addition Accessories



Photocell



Plug-in Zhaga Photocell Sensor



DIP Switch of 4 Watts Selectable function

Specifications

| | |
|-----------------------|---|
| Product No. | E2-WPF-WP09-50/60/70/80W-30/40/50K |
| Wattage | 50W - 60W - 70W -80W tunable |
| Lumens | 11200LM |
| Efficacy | 140LM/W(±10%) |
| Input voltage | 120-277VAC |
| CCT | 3000K - 4000K -5000K tunable |
| THD | < 20% |
| LED Type | 3030 |
| Lens | PC |
| IP Rating | IP 65 |
| Power Factor | ≥0.90 |
| Frequency | 50/60Hz |
| Housing | IK 08 High-duty Die-cast Aluminum |
| Operating Temperature | -22°F to 113°F (-30°C to +45°C) |
| Finish | Bronze |
| Additional function | 0-10V Dimmable, Photocell, 4 Watts Selectable |
| Life Time | L70 @ 54,000Hrs |
| Warranty | 5 Years |
| Certificates | UL/cUL , DLC 5.1 Premium |

Product Appearance



DESCRIPTION

The brand-new E2- WPF-WP15 Series of LED Wall Pack, is available from 26W to 135W, and can replace up to 400W MH. It has uniform light distribution and excellent LED lumen maintenance rate, high energy efficiency, low cost, stylish design, and a long service life. It also has on-site dimmable output and CCT settings, allowing the contractor to set the lumen value and CCT of the fixture at the installation site to a level that is perfectly suitable for the project. Emergency back up battery and light control are optional, which is an ideal choice to meet any daily wall-mounted lighting applications.

SPECIFICATION FEATURES

Construction

- Two-piece die-cast aluminum housing secures the thermally conductive LED panel and electrical chamber.
- Casting thermally conducts LED heat to optimize performance and long life.
- Suitable for applications requiring 3G testing prescribed by ANSI C136.31.

Optics

- The 135W is available in standard 3000K 4000K and 5000K configurations and the other powers are supports adjustable color temperature (3000/4000/5000K).
- Scalable Lumen Packages from 3,800 to 20,000 Lumens.
- Anti-UV prismatic translucent len is designed to shape the light distribution and uniformity.

Electrical

- Universal 120-277 or 347-380 VAC input voltage.
- 1-10V Dimming.
- Both drivers have a power factor >90%, THD <20%.
- Operating Temperature Range: -40°C to 40°C (-40°F - + 104°F).

Note: Operating with emergency battery temperature range: 10°C to 40°C (+50°F - + 104°F).

Controls

- Optional Photocell
- Optional Emergency Battery

Lifespan

- Estimated 50,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations.

Warranty

- Five-year warranty.

Certifications

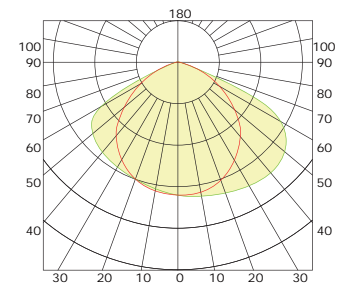
- UL cUL wet location listed.
 - DesignLights Consortium™ Qualified.
- Note: DesignLights Consortium™ Qualified and classified for DLC Standard (all lumen packages), refer to www.designlights.org for details.

Note

- Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25°C (±5°C) specifications subject to change without notice.



PHOTOMETRICS



ACCESSORIES(Optional)



Photocell

USE: Photocell is field installed or pre-installed in factory by requesting



Emergency Battery Backup

Description: It can be pre-installed in factory or field installed



Power and CCT controller

USE: The wattage and CCT can be changed by switch selection on the controller. Only suitable for 26W,38W,65W,100W.

DESIGN



PERFORMANCE DATA (@ CCT Dial)

| SYSTEM WATTS | VOLTAGE | CRI | LUMENS (3000K) | LPW (3000K) | LUMENS (4000K) | LPW (4000K) | LUMENS (5000K) | LPW (5000K) |
|--------------|------------|-----|----------------|-------------|----------------|-------------|----------------|-------------|
| 26W | 120-277VAC | 70 | 3800lm | 146 lm/W | 4000lm | 154 lm/W | 3900lm | 150 lm/W |
| 38W | 120-277VAC | 70 | 5600lm | 147 lm/W | 6000lm | 158 lm/W | 5700lm | 150 lm/W |
| 65W | 120-277VAC | 70 | 9500lm | 146 lm/W | 10000lm | 154 lm/W | 9700lm | 149 lm/W |
| 65W | 347-480VAC | 70 | 9400lm | 145 lm/W | 9900lm | 152 lm/W | 9500lm | 146 lm/W |
| 100W | 120-277VAC | 70 | 14800lm | 148 lm/W | 15500lm | 155 lm/W | 15000lm | 150 lm/W |
| 100W | 347-480VAC | 70 | 14000lm | 140 lm/W | 15000lm | 150 lm/W | 14500lm | 145 lm/W |

E2 Lighting international Inc
550 Port Commerce Place STE 810 Grapevine TX 76051 sales@e2lightingusa.com Tel: 213-270-1938

PERFORMANCE DATA (@ Single CCT)

| SYSTEM WATTS | VOLTAGE | CRI | LUMENS (3000K) | LPW (3000K) | LUMENS (4000K) | LPW (4000K) | LUMENS (5000K) | LPW (5000K) |
|--------------|------------|-----|----------------|-------------|----------------|-------------|----------------|-------------|
| 26W | 120-277VAC | 70 | 3800lm | 146 lm/W | 3900lm | 150 lm/W | 3900lm | 150 lm/W |
| 38W | 120-277VAC | 70 | 5600lm | 147 lm/W | 5700lm | 150 lm/W | 5700lm | 150 lm/W |
| 65W | 120-277VAC | 70 | 9500lm | 146 lm/W | 9700lm | 149 lm/W | 9700lm | 149 lm/W |
| 65W | 347-480VAC | 70 | 9400lm | 145 lm/W | 9500lm | 146 lm/W | 9500lm | 146 lm/W |
| 100W | 120-277VAC | 70 | 14800lm | 148 lm/W | 15000lm | 150 lm/W | 15000lm | 150 lm/W |
| 100W | 347-480VAC | 70 | 14000lm | 140 lm/W | 14500lm | 145 lm/W | 14500lm | 145 lm/W |
| 135W | 120-277VAC | 70 | 19000lm | 141 lm/W | 20000lm | 148 lm/W | 20000lm | 148 lm/W |

ADJUSTABLE LUMEN OUTPUT TABLE

| | | 26W | | 38W | | 65W | | 100W | |
|---------|------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|
| SETTING | VOLTAGE | SYSTEM WATTS | LUMENS (5000K) | SYSTEM WATTS | LUMENS (5000K) | SYSTEM WATTS | LUMENS (5000K) | SYSTEM WATTS | LUMENS (5000K) |
| 100% | 120-277VAC | 26.45 | 3918.10 | 38.12 | 5690.70 | 64.93 | 9816.80 | 103.20 | 14950.00 |
| 80% | 120-277VAC | 21.42 | 3374.27 | 30.95 | 4871.24 | 49.30 | 7873.07 | 84.21 | 12725.44 |
| 60% | 120-277VAC | 15.50 | 2502.50 | 23.01 | 3697.60 | 34.47 | 5782.90 | 61.92 | 9548.57 |
| 40% | 120-277VAC | 11.31 | 1882.00 | 16.89 | 2789.20 | 23.37 | 4042.90 | 42.83 | 6667.70 |

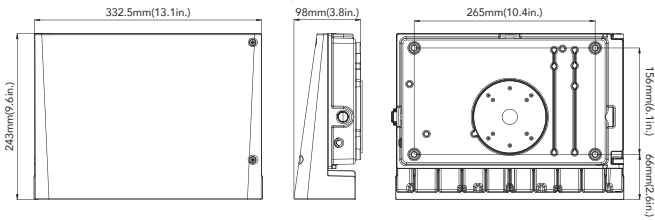
ELECTRICAL DATA

| Number Of Drivers | Driver Current (mA) | Nominal Power (W) | INPUT VOLTAGE (V) | CURRENT (Amps) |
|-------------------|---------------------|-------------------|-------------------|----------------|
| 1 | 430 | 26 | 120 | 0.22 |
| | | 26 | 208 | 0.13 |
| | | 26 | 240 | 0.11 |
| | | 26 | 277 | 0.09 |
| 1 | 680 | 38 | 120 | 0.32 |
| | | 38 | 208 | 0.18 |
| | | 38 | 240 | 0.16 |
| | | 38 | 277 | 0.14 |
| 1 | 980 | 65 | 120 | 0.54 |
| | | 65 | 208 | 0.31 |
| | | 65 | 240 | 0.27 |
| | | 65 | 277 | 0.23 |
| | 1850 | 65 | 347 | 0.19 |
| | | 65 | 480 | 0.14 |
| 1 | 850 | 100 | 120 | 0.83 |
| | | 100 | 208 | 0.48 |
| | | 100 | 240 | 0.42 |
| | | 100 | 277 | 0.36 |
| | 2520 | 100 | 347 | 0.29 |
| | | 100 | 480 | 0.21 |
| 1 | 1200 | 135 | 120 | 1.13 |
| | | 135 | 208 | 0.65 |
| | | 135 | 240 | 0.56 |
| | | 135 | 277 | 0.49 |

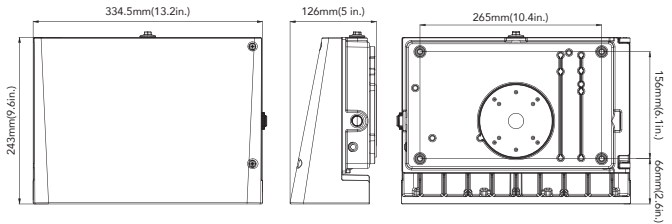
DIMENSIONS

unit: mm/inch

Small Size:
For 26W,38W,65W CCT dial
For 26W,38W,65W,100W,135W single CCT



Large Size:
For 100W CCT dial



ORDERING GUIDE

Example: E2-WPF-WP15-38W-30/40/50K

| Fixture Type | Wattage | Voltage | CCT | Finish | Photocell (Option) | Emergency Battery (Option) | CCT and Power Adjustable | Internal Code |
|---------------------------------|--|---|---|---------------|---|---|--|-----------------------|
| <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> |
| E2-WPF-WP15 Wall Pack Series | 26 26W 38 38W 65 65W 100 100W 135 135W | 27V 120-277V 48V ² 347-480V | 30/40/50K Adjustable color temperature 40K 4000K 50K 5000K | D Dark Bronze | P 120-277V Photocell Blank Without Photocell | -E Emergency Battery Blank Without Emergency Battery | 30/40/50K With Adjustment Dial Single CCT Without Adjustment Dial | Blank Alphanumeric |

Note: 1. CCT adjustable(3000K/4000K/5000K).
3. Battery only suitable for 27W,45W,65W.

2. Only 65W and 100W optional for 347-480V.
4. 135W only optional for single CCT.

Project Name: _____ Catalog Number: _____

Notes: _____ Fixture schedule: _____

Led Full-CutoffWall Pack E2-WPF-XXK



Sensor option

EBBU option

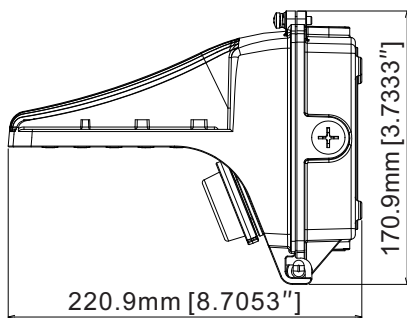
Product Description

Light up your outdoor area with best LED Full Cut - Off Wall Pack. It is a high efficient lighting solution that provides a long - lasting and energy - saving. The rugged housing offers advanced thermal management and protection against outdoor environments without compromising aesthetics.

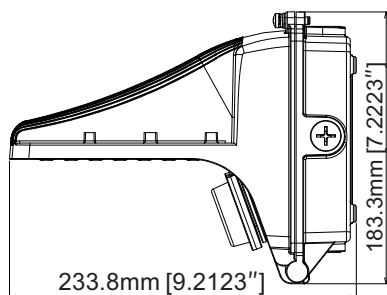
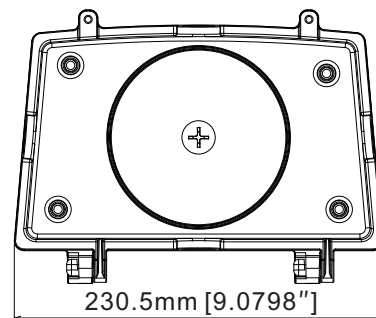
Features

1. ETL/cETL/DLC premium certificate.
2. Easy installation.
3. Wet location rated IP65.
4. Durable die-cast aluminum housing.
5. Photocell and motion sensor options.
6. UV-resistant polycarbonate refractor lens.
7. Emergency power option 4W & 8W operating time 1.5 hours.
8. TypeII / TypeIII / TypeIV distribution optics standard.

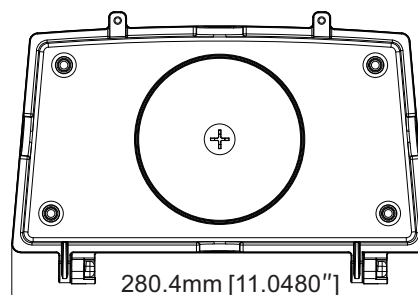
Physical Dimensions



30-60W(120-277VAC&120-347VAC) / 80W(120-277VAC)



80W(120-347VAC)



Specifications

| | | | | |
|-----------------------|---|------------|------------|------------|
| Model No. | E2-WPF-30W | E2-WPF-50W | E2-WPF-60W | E2-WPF-80W |
| Input Power | 30W | 50W | 60W | 80W |
| Lumen | 3900LM | 6500LM | 7800LM | 10400LM |
| Efficacy | 130LM/W(±5%) | | | |
| Input voltage | 120-277VAC /120-347VAC | | | |
| Color Temperature | 3000K Less 2% Blue light CCT | | | |
| THD | < 20% | | | |
| Surge Protection | L-N: 2KV L-N: 4KV | | | |
| LED Type | 3030 | | | |
| Viewing Angle | Type II / Type III / Type IV | | | |
| Operating Temperature | -22°F to 113°F (-30°C to +45°C) | | | |
| Operating Humidity | RH<90% | | | |
| Storage Temperature | -40°F to 158°F (-40°C to +70°C) | | | |
| Storage Humidity | RH<95% | | | |
| IP Rating | IP 65 | | | |
| Power Factor | ≥0.90 | | | |
| Frequency | 50/60Hz | | | |
| Certification | c ETL / ETL / DLC Premium | | | |
| Housing | Die-cast Aluminum | | | |
| Finish | Black / Bronze / Customized (Optional) | | | |
| Driver Brand | Weled Power | | | |
| Additional function | 0-10V / 1-10V / Photocell/Microwave Motion Sensor /Power Adjustable | | | |
| Life Time | L70 @ 54,000Hrs | | | |
| Warranty | 5 Years | | | |

Applications

Outdoor wall-mount applications: building facade, commercial, industrial, retail, hospitality buildings that demand long service life and low maintenance.



Project Name: _____ Catalog Number: _____

Notes: _____ Fixture schedule: _____

Mini Wall Pack Series

E2-WPM Mini Wall Pack Series 17W & 25W



Product Description

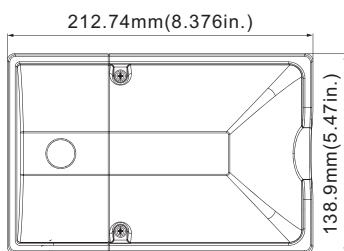
Cast in a traditional design, the LED wall mount luminaire offers the shape you've grown accustomed to coupled with the high-powered and energy efficient LEDs you want. Photocell for dusk to dawn operation. It is ideal for safety , security and any facilities.

Features

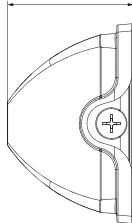
- Universal 120-277 VAC input voltage.
- Both drivers have a power factor >90%, THD <20%, and an expected life of 50,000 hours.
- Estimated 100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations
- Warranty: 5 year warranty

Dimensions

unit: mm/inch



87.9mm (3.46in.)



Accessories



Photocell

No. PC-JL-120-277V
USE: Photocell is field installed or pre-installed in factory by requesting

Specifications

Construction :

- Tempered UV coated at lens provide outstanding performance, uniformity and glare control.
- Optional clear lens or frosted lens as per applications.

Optics:

- Scalable Lumen Packages from 1,800 to 2,600 Lumens.
- Light engines are available in standard 3000K/4000 K and 5000 K (70 CRI) configurations.
- Suitable for operation in -40 to 40 ambient environments.

Performance Data

| System Watts | Voltage | Lens | CRI | Lumens (3000K) | LPW (3000K) | Lumens (4000K) | LPW (4000K) | Lumens (5000K) | LPW (5000K) |
|--------------|------------|------------|-----|----------------|-------------|----------------|-------------|----------------|-------------|
| 17W | 120-277VAC | Clear Lens | 70 | 1800lm | 106 lm/W | 1900lm | 112 lm/W | 1950lm | 115 lm/W |
| 25W | 120-277VAC | Clear Lens | 70 | 2500lm | 100 lm/W | 2550lm | 102 lm/W | 2600lm | 104 lm/W |

Electrical Data

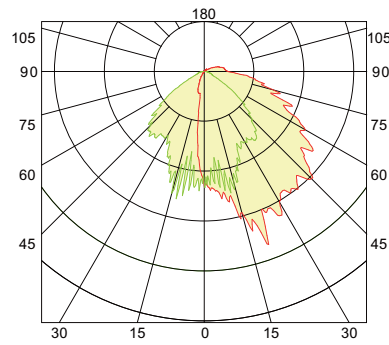
| Number Of Drivers | Driver Current (mA) | Nominal Power (W) | Input Voltage (V) | Current (Amps) |
|-------------------|---------------------|-------------------|-------------------|----------------|
| 1 | 250 | 17 | 120 | 0.14 |
| | | 17 | 208 | 0.08 |
| | | 17 | 240 | 0.07 |
| | | 17 | 277 | 0.06 |
| 1 | 250 | 25 | 120 | 0.21 |
| | | 25 | 208 | 0.12 |
| | | 25 | 240 | 0.10 |
| | | 25 | 277 | 0.09 |

DLC Model NO.

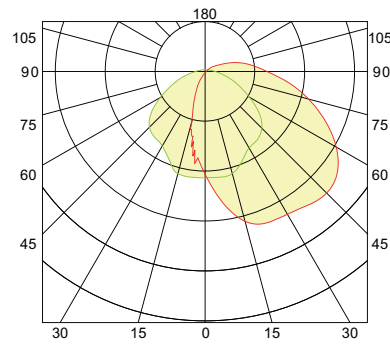
| System Wattss | Voltage | CCT | Lens | DIC NO. | DIC Calassification |
|---------------|----------|-------|------------|------------------------------|---------------------|
| 17W | 120-277V | 3000K | Clear Lens | WM17W27V30K[D,B,W][Blank,P0] | Standard |
| | | 3500K | Clear Lens | WM17W27V35K[D,B,W][Blank,P0] | Standard |
| | | 4000K | Clear Lens | WM17W27V40K[D,B,W][Blank,P0] | Standard |
| | | 5000K | Clear Lens | WM17W27V50K[D,B,W][Blank,P0] | Standard |
| 25W | 120-277V | 3000K | Clear Lens | WM25W27V30K[D,B,W][Blank,P0] | Standard |
| | | 3500K | Clear Lens | WM25W27V35K[D,B,W][Blank,P0] | Standard |
| | | 4000K | Clear Lens | WM25W27V40K[D,B,W][Blank,P0] | Standard |
| | | 5000K | Clear Lens | WM25W27V50K[D,B,W][Blank,P0] | Standard |

Photometry

Clear Lens



Frosted Lens



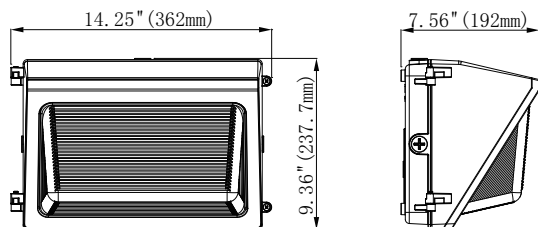
LED Wall Pack Installation Instruction

IMPORTANT SAFEGUARDS

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

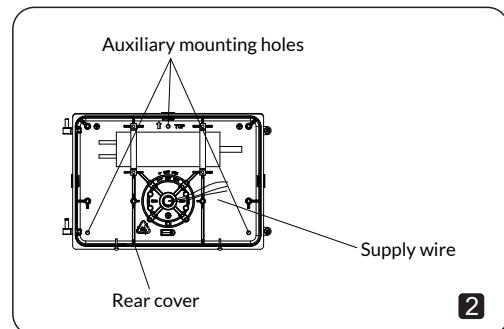
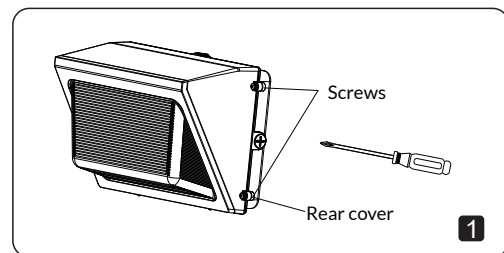
READ AND FOLLOW ALL SAFETY INSTRUCTIONS

- 1.To reduce the risk of electrical shock, turn off the power supply before installation or servicing.
- 2.This luminaire must be installed in accordance with the NEC or your requirements, consult a qualified electrician.
- 3.If NEMA photo control is installed refer to NEMA receptacle section For instructions.
- 4.Verify the availability of necessary tools and incidental material.
- 5.The fixture is not allowed to disassemble the structure or components.



30W-120W

TO INSTALL



LUMINAIRE INSTALLATION

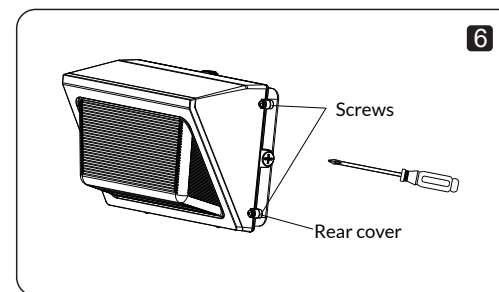
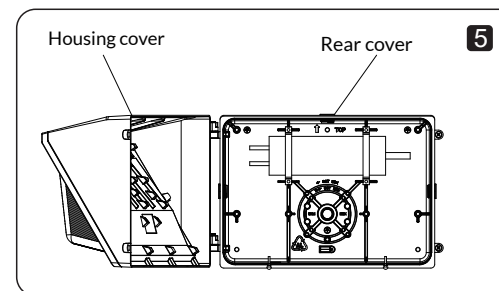
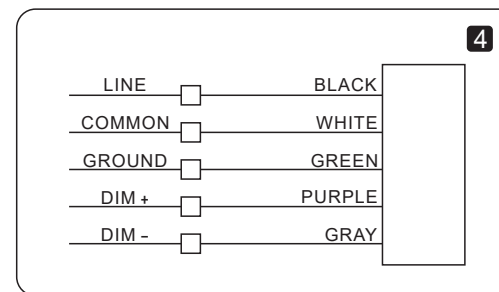
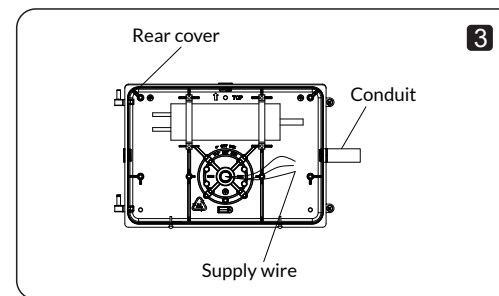
STEP 1(Figure 1):

Remove two screws, remove the rear cover of the luminaire and pull the connector.

STEP 2-1(Onto a recessed 4" rectangular/octagonal J-Box) (Figure 2):

- 1.Verify that supply power is off and that the J-Box is securely mounted within the structural surface.
- 2.Remove both J-Box fasteners from j-box (set aside for re-installation as needed)
- 3.Drill holes as J-Box required on the rear cover.
- 4.Position rear cover over J-Box feeding supply wires through the center of the Rear cover and slit in gasket. Replace fasteners from step 2 (do not fully tighten).
- 5.Using a contractor level, ensure Rear cover is level and fully tighten fasteners (Use washers as required to ensure a secure fit).

TO INSTALL



LUMINAIRE INSTALLATION

STEP 2-2(Conduit-stub up) (Figure 3):

- 1.Drill holes on the rear cover as auxiliary mounting holes.
- 2.Verify that supply power is off. Using a contractor level, ensure rear cover is level and mark mounting surface thru selected auxiliary mounting holes.
- 3.Drill holes as marked in step 1 and install appropriate mounting inserts capable of handling fixture load requirements.
- 4.Feed supply wires through the center of the rear cover and slit in gasket.
- 5.Ensure rear cover is level. Fully tighten fasteners (use washers as required to ensure a secure fit).

STEP 2-3(Conduit-surface) (Figure 3):

- 1.Drill holes on the rear cover as auxiliary mounting holes.
- 2.Verify that supply power is off. Using a contractor level, ensure rear cover is level and mark mounting surface through selected auxiliary mounting holes.
- 3.Drill holes as marked in step 1 and install appropriate mounting inserts capable of handling fixture load requirements.
- 4.Ensure rear cover is level. Fully tighten fasteners (use washers as required to ensure a secure fit).
- 5.Attach 1/2"NPT conduit fittings using the appropriate EMT rain tight compression connections(not provided) onto the factory machined conduit entry opening.

STEP 3(Figure 4):

Make supply wire (power and dimming) to fixture wire connections as required through splice access. The voltage driver permits. Operation at 120V-277V, 120V-347V, 200V-480V, 50 or 60 Hz. 0-10V control wires must be rated for 300V minimum, for 0-10V Dimming. Follow the wiring directions as shown in figure below.

STEP 4(Figure 5):

Fixture slightly upward, align fixture housing indicators with rear cover hooks and slip fixture back onto hooks and insert the connector.

STEP 5(Figure 6):

Close the housing indicators to the rear cover and fully tighten fasteners. The bottom shell is sprayed with glue and tightly sealed to the wall.

Trouble shooting: If this fixture fails to operate properly,check to make sure: The fixture is wired correctly. The fixture is grounded correctly. The line voltage at the fixture is correct.If all these variables have been checked and the fixture still does not operate as specified,contact your local distributor.

PROJECT NAME: _____ CATALOG NUMBER: _____

NOTES: _____ FIXTURE SCHEDULE: _____

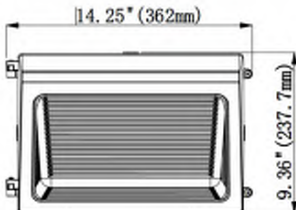
NEW

NON CUT-OFF WALL PACK CCT and Wattage Tunable W/ Emergency Battery Back Up & Photocell

Model: E2-WPN-01-30/40/60/80W-30/40/50K-P-E



Dimension:



10W Emergency Battery for 90 mins

PRODUCT DESCRIPTION:

E2 LIGHTING'S Non Cut-Off Wall Pack is a highly efficient, multi-function fixture that provides a long-lasting and energy saving lighting solution. This fixture is equipped with Internal CCT color temperature and wattage tunable switch. The rugged housing offers advanced thermal management and protection against outdoor environments without compromising aesthetics.

FEATURES AND STANDARDS:

- ETL/cETL/DLC premium certificate.
- Pre-wired 10W Emergency Battery with Indicator Push button
- 1250lm in battery mode for 90 mins
- Wet location rated IP65.
- Durable die-cast aluminum housing.
- Wattage and CCT tunable.
- UV-resistant polycarbonate refractor lens.
- Photocell
- Option : Motion sensor

APPLICATION:

Outdoor wall-mount applications: building facade, commercial, industrial, retail, hospitality buildings that demand long service life and low maintenance.

TESTED DATA:

- Input Power - 30/40/60/80W Tunable
- Lumen - 3900/5200/7800/10400lm
- Efficacy - 125LM/W ($\pm 10\%$)
- Input Voltage - 120-277VAC
- Color Temperature - 3000K-4000K-5000K Tunable
- THD - $<20\%$
- Dimmable - 0-10V
- LED Brand - Lumileds
- LED Type - 3030
- Operating Temperature - 86°F to 113°F (-30°C to $+45^{\circ}\text{C}$)
- Operating Humidity - RH $<90\%$
- Color Rendering Index - Ra >70
- IP Rating - IP65
- Certification - cETL/ETL/DLC Premium
- Housing - Die-cast Aluminum
- Life Time - $>50,000\text{Hrs}$
- Warranty - 5 Years

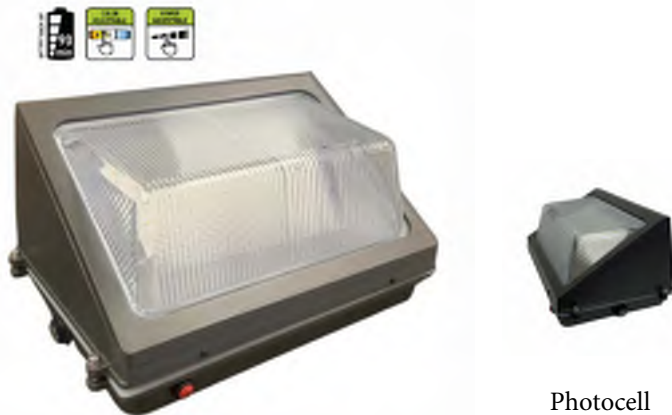
PROJECT NAME: _____ CATALOG NUMBER: _____

NOTES: _____ FIXTURE SCHEDULE: _____

NEW

E2-WPN-01-30W-30/40/50K-P-E NON CUT-OFF WALL PACK CCT Tunable with 90 min Emergency Battery Back Up & Photocell

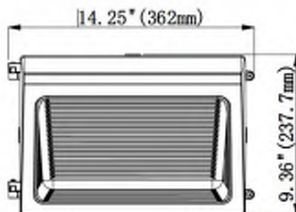
Model: E2-WPN-01-30W-30/40/50K-P-E



Photocell



Dimension:



10W Emergency Battery for 90 mins

PRODUCT DESCRIPTION:

E2 LIGHTING'S Non Cut-Off Wall Pack is a highly efficient, multi-function fixture that provides a long-lasting and energy saving lighting solution. This fixture is equipped with Internal CCT color temperature and wattage tunable switch. The rugged housing offers advanced thermal management and protection against outdoor environments without compromising aesthetics.

FEATURES AND STANDARDS:

- ETL/cETL/DLC premium certificate.
- Pre-wired 10W Emergency Battery with Indicator Push button
- 1250lm in battery mode for 90 mins
- Wet location rated IP65.
- Durable die-cast aluminum housing.
- Wattage and CCT tunable.
- UV-resistant polycarbonate refractor lens.
- Photocell
- Option : Motion sensor

APPLICATION:

Outdoor wall-mount applications: building facade, commercial, industrial, retail, hospitality buildings that demand long service life and low maintenance.

TESTED DATA:

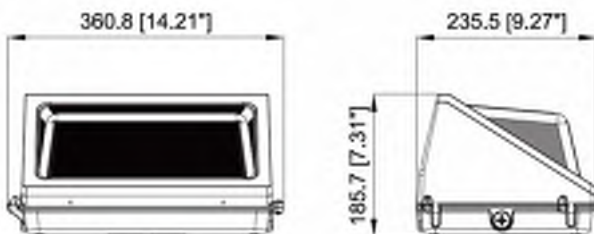
- Input Power - 30W
- Lumen - 3750lm
- Efficacy - 125LM/W ($\pm 10\%$)
- Input Voltage - 120-277VAC
- Color Temperature - 3000K-4000K-5000K Tunable
- THD - $<20\%$
- Dimmable - 0-10V
- LED Brand - Lumileds
- LED Type - 3030
- LED QTY - 48 pcs
- Operating Temperature - 86°F to 113°F (-30°C to $+45^{\circ}\text{C}$)
- Operating Humidity - RH $<90\%$
- Color Rendering Index - Ra >70
- IP Rating - IP65
- Certification - cETL/ETL/DLC Premium
- Housing - Die-cast Aluminum
- Life Time - $>50,000\text{Hrs}$
- Warranty - 5 Years

NEW

E2-WPN-01-80/100/120W-35/40/50K E2DM03-120W50-NO-C NON CUT- OFF WALL PACK CCT and Wattage Tunable



Dimension:



PRODUCT DESCRIPTION:

E2 LIGHTING'S Non Cut-Off Wall Pack is a highly efficient, multi-function fixture that provides a long-lasting and energy saving lighting solution. This fixture is equipped with Internal CCT color temperature and wattage tunable switch. The rugged housing offers advanced thermal management and protection against outdoor environments without compromising aesthetics.

FEATURES AND STANDARDS:

- ETL/cETL/DLC premium certificate.
- Easy installation.
- Wet location rated IP65.
- Durable die-cast aluminum housing.
- Wattage and CCT tunable.
- UV-resistant polycarbonate refractor lens.

APPLICATION:

Outdoor wall-mount applications: building facade, commercial, industrial, retail, hospitality buildings that demand long service life and low maintenance.

TESTED DATA:

- Input Power - 80/100/120W (Tunable)
- Lumen - 10,400/13,000/15,600lm (Tunable)
- Efficacy - 130LM/W ($\pm 10\%$)
- Input Voltage - 120-277VAC
- Color Temperature - 3500K-4000K-5000K
- THD - $<20\%$
- Dimmable - 0-10V
- LED Brand - Lumileds
- LED Type - 3030
- LED QTY - 48/72/96 pcs
- Operating Temperature - 86°F to 113°F (-30°C to $+45^{\circ}\text{C}$)
- Operating Humidity - RH $<90\%$
- Color Rendering Index - Ra >70
- IP Rating - IP65
- Certification - cETL/ETL/DLC Premium
- Housing - Die-cast Aluminum
- Life Time - $>50,000\text{Hrs}$
- Warranty - 5 Years

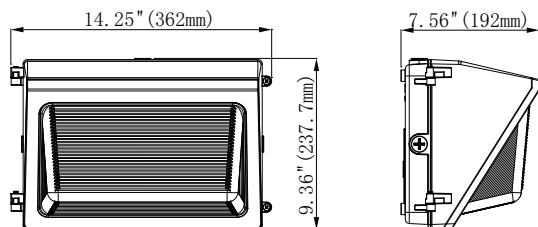
LED Wall Pack Installation Instruction

IMPORTANT SAFEGUARDS

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

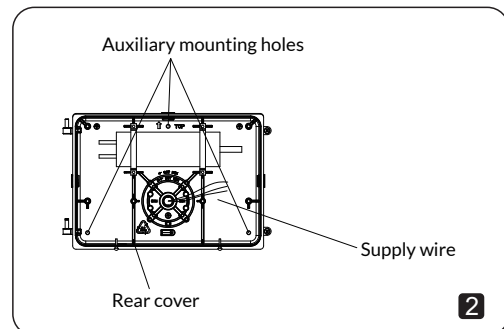
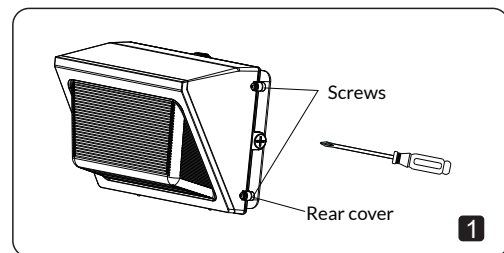
READ AND FOLLOW ALL SAFETY INSTRUCTIONS

- 1.To reduce the risk of electrical shock, turn off the power supply before installation or servicing.
- 2.This luminaire must be installed in accordance with the NEC or your requirements, consult a qualified electrician.
- 3.If NEMA photo control is installed refer to NEMA receptacle section For instructions.
- 4.Verify the availability of necessary tools and incidental material.
- 5.The fixture is not allowed to disassemble the structure or components.



30W-120W

TO INSTALL



LUMINAIRE INSTALLATION

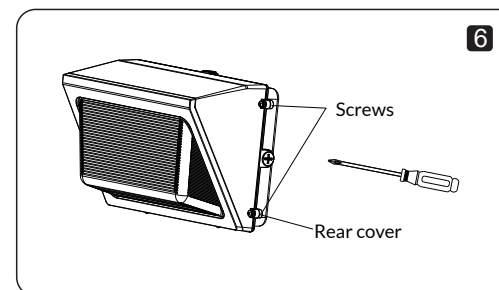
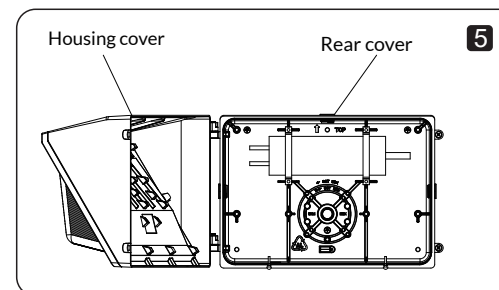
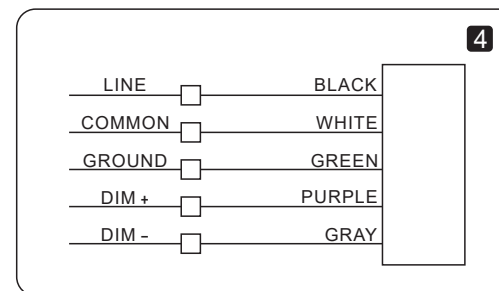
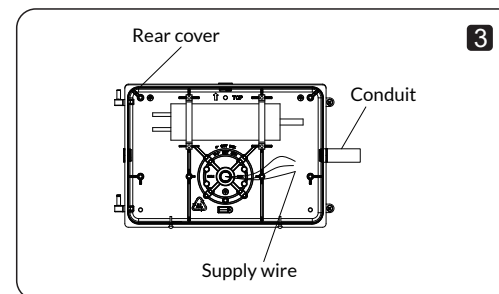
STEP 1(Figure 1):

Remove two screws, remove the rear cover of the luminaire and pull the connector.

STEP 2-1(Onto a recessed 4" rectangular/octagonal J-Box) (Figure 2):

- 1.Verify that supply power is off and that the J-Box is securely mounted within the structural surface.
- 2.Remove both J-Box fasteners from j-box (set aside for re-installation as needed)
- 3.Drill holes as J-Box required on the rear cover.
- 4.Position rear cover over J-Box feeding supply wires through the center of the Rear cover and slit in gasket. Replace fasteners from step 2 (do not fully tighten).
- 5.Using a contractor level, ensure Rear cover is level and fully tighten fasteners (Use washers as required to ensure a secure fit).

TO INSTALL



LUMINAIRE INSTALLATION

STEP 2-2(Conduit-stub up) (Figure 3):

- 1.Drill holes on the rear cover as auxiliary mounting holes.
- 2.Verify that supply power is off. Using a contractor level, ensure rear cover is level and mark mounting surface thru selected auxiliary mounting holes.
- 3.Drill holes as marked in step 1 and install appropriate mounting inserts capable of handling fixture load requirements.
- 4.Feed supply wires through the center of the rear cover and slit in gasket.
- 5.Ensure rear cover is level. Fully tighten fasteners (use washers as required to ensure a secure fit).

STEP 2-3(Conduit-surface) (Figure 3):

- 1.Drill holes on the rear cover as auxiliary mounting holes.
- 2.Verify that supply power is off. Using a contractor level, ensure rear cover is level and mark mounting surface through selected auxiliary mounting holes.
- 3.Drill holes as marked in step 1 and install appropriate mounting inserts capable of handling fixture load requirements.
- 4.Ensure rear cover is level. Fully tighten fasteners (use washers as required to ensure a secure fit).
- 5.Attach 1/2"NPT conduit fittings using the appropriate EMT rain tight compression connections(not provided) onto the factory machined conduit entry opening.

STEP 3(Figure 4):

Make supply wire (power and dimming) to fixture wire connections as required through splice access. The voltage driver permits. Operation at 120V-277V, 120V-347V, 200V-480V, 50 or 60 Hz. 0-10V control wires must be rated for 300V minimum, for 0-10V Dimming. Follow the wiring directions as shown in figure below.

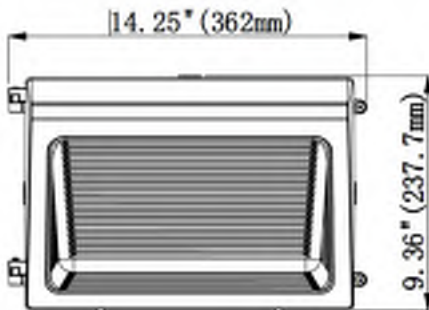
STEP 4(Figure 5):

Fixture slightly upward, align fixture housing indicators with rear cover hooks and slip fixture back onto hooks and insert the connector.

STEP 5(Figure 6):

Close the housing indicators to the rear cover and fully tighten fasteners. The bottom shell is sprayed with glue and tightly sealed to the wall.

Trouble shooting: If this fixture fails to operate properly,check to make sure: The fixture is wired correctly. The fixture is grounded correctly. The line voltage at the fixture is correct.If all these variables have been checked and the fixture still does not operate as specified,contact your local distributor.

NEW**E2-WPN-WP01-100W-5000K****Glass Lens LED Wall Pack****DLC# WP01-100[L;M]-[D;R;M;P;E]-50 (VERSION 5.1)****NON CUT-OFF WALL PACK****Dimension:****PRODUCT DESCRIPTION:**

Our LED Wall Pack lighting fixture is great for outdoor use. Built for heavy commercial and industrial use and are "installer friendly." Replaces the conventional lighting fixtures such as HPS lights, HID metal-halides, and halogen lamps. The 100W LED wall pack is energy-efficient and can replace 420 watts metal-halide lighting fixture. Delivering high lumen output of 14706.3 LM, the fixture provides for an intense directional light with a beam angle greater than 110 degree. With a lifespan of 50,000 hours, an LED wall pack is a quick start-up; non-toxic and a lighting fixture without any harmful radiation. Rated for dust & moisture-resistance, this product can also withstand extreme temperature levels. This wall pack fixture is DLC Premium and comes with 5 years manufacturer's warranty.

FEATURES AND STANDARDS:

- ETL/cETL/DLC premium certificate.
- Easy installation.
- Wet location rated IP65.
- Durable die-cast aluminum housing.
- Wattage and CCT tunable.
- UV-resistant polycarbonate refractor lens.

APPLICATION:

Outdoor wall-mount applications: building facade, commercial, industrial, retail, hospitality buildings that demand long service life and low maintenance.

TESTED DATA:

- Input Power - 100W
- Lumen - 14706.3lm
- Efficacy - 148LM/W (±10%)
- Input Voltage - 120-277VAC
- Color Temperature - 5000K
- THD - 9.1%
- Dimmable - 0-10V
- Operating Temperature - -22°F to 122°F (-30°C to + 50°C)
- Color Rendering Index - Ra>70
- IP Rating - IP65
- Certification - cETL/ETL/DLC Premium
- Housing - Die-cast Aluminum
- Lens - Glass
- Life Time - >50,000Hrs
- Warranty - 5 Years

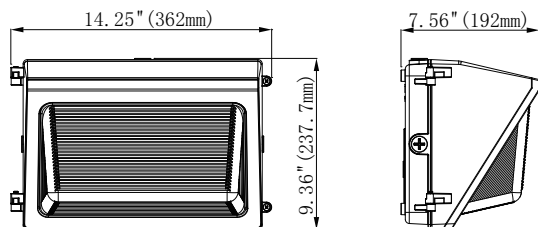
LED Wall Pack Installation Instruction

IMPORTANT SAFEGUARDS

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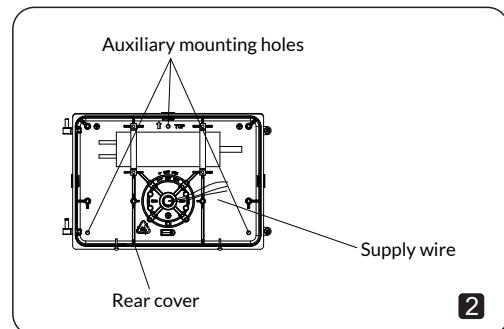
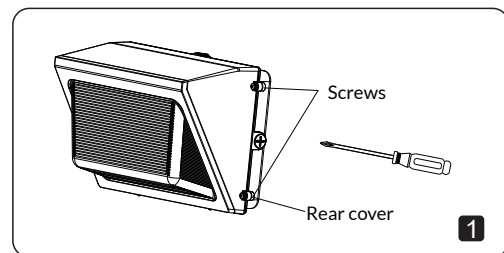
READ AND FOLLOW ALL SAFETY INSTRUCTIONS

- 1.To reduce the risk of electrical shock, turn off the power supply before installation or servicing.
- 2.This luminaire must be installed in accordance with the NEC or your requirements, consult a qualified electrician.
- 3.If NEMA photo control is installed refer to NEMA receptacle section For instructions.
- 4.Verify the availability of necessary tools and incidental material.
- 5.The fixture is not allowed to disassemble the structure or components.



30W-120W

TO INSTALL



LUMINAIRE INSTALLATION

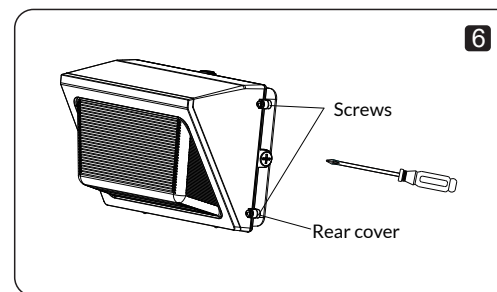
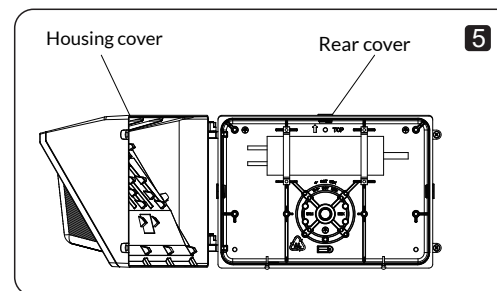
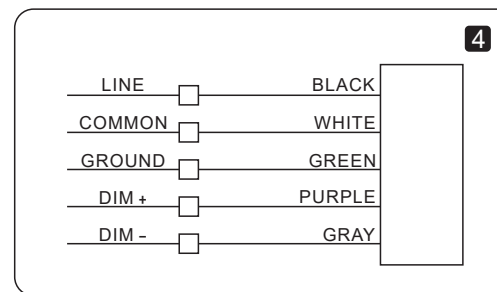
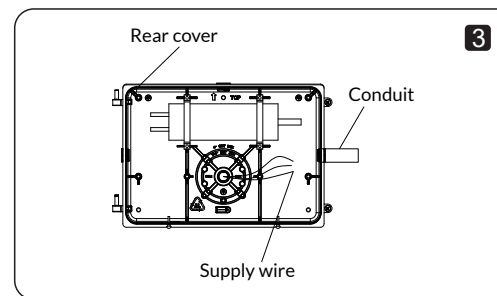
STEP 1(Figure 1):

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STEP 2-1(Onto a recessed 4" rectangular/octagonal J-Box) (Figure 2):

- 1.Verify that supply power is off and that the J-Box is securely mounted within the structural surface.
- 2.Remove both J-Box fasteners from j-box (set aside for re-installation as needed)
- 3.Drill holes as J-Box required on the rear cover.
- 4.Position rear cover over J-Box feeding supply wires through the center of the Rear cover and slit in gasket. Replace fasteners from step 2 (do not fully tighten).
- 5.Using a contractor level, ensure Rear cover is level and fully tighten fasteners (Use washers as required to ensure a secure fit).

TO INSTALL



LUMINAIRE INSTALLATION

STEP 2-2(Conduit-stub up) (Figure 3):

- 1.Drill holes on the rear cover as auxiliary mounting holes.
- 2.Verify that supply power is off. Using a contractor level, ensure rear cover is level and mark mounting surface thru selected auxiliary mounting holes.
- 3.Drill holes as marked in step 1 and install appropriate mounting inserts capable of handling fixture load requirements.
- 4.Feed supply wires through the center of the rear cover and slit in gasket.
- 5.Ensure rear cover is level. Fully tighten fasteners (use washers as required to ensure a secure fit).

STEP 2-3(Conduit-surface) (Figure 3):

- 1.Drill holes on the rear cover as auxiliary mounting holes.
- 2.Verify that supply power is off. Using a contractor level, ensure rear cover is level and mark mounting surface through selected auxiliary mounting holes.
- 3.Drill holes as marked in step 1 and install appropriate mounting inserts capable of handling fixture load requirements.
- 4.Ensure rear cover is level. Fully tighten fasteners (use washers as required to ensure a secure fit).
- 5.Attach 1/2"NPT conduit fittings using the appropriate EMT rain tight compression connections(not provided) onto the factory machined conduit entry opening.

STEP 3(Figure 4):

Make supply wire (power and dimming) to fixture wire connections as required through splice access. The voltage driver permits. Operation at 120V-277V, 120V-347V, 200V-480V, 50 or 60 Hz. 0-10V control wires must be rated for 300V minimum, for 0-10V Dimming. Follow the wiring directions as shown in figure below.

STEP 4(Figure 5):

Fixture slightly upward, align fixture housing indicators with rear cover hooks and slip fixture back onto hooks and insert the connector.

STEP 5(Figure 6):

Close the housing indicators to the rear cover and fully tighten fasteners. The bottom shell is sprayed with glue and tightly sealed to the wall.

Trouble shooting: If this fixture fails to operate properly,check to make sure: The fixture is wired correctly. The fixture is grounded correctly. The line voltage at the fixture is correct.If all these variables have been checked and the fixture still does not operate as specified,contact your local distributor.

LED FULL CUTOFF WALL PACK LIGHT

E2-WPR-80W-50K: 360° Adjustable modules



Color: Black

Weight: 6.68 lbs



Project Name:

Catalogue Number:

Fixture Schedule:

Comments:

Specifications

| | | | |
|----------------------|----------------|--------------------|---------------|
| Light Output | 10,640 LM | Frequency | 50-60 Hz |
| Efficacy | 133 LPW | THD | < 12.3% |
| Wattage | 80 W | L70 Lifespan | 50,000 hours |
| Color Accuracy (CRI) | > 70 | IP Rating | IP54 |
| Kelvin (CCT) | 5000 K | Beam Angle | Type 3 |
| Power Factor | > 0.94 | Dimming Compatible | Yes |
| Working Environment | -4.0° F~113° F | Mercury Content | No Hg |
| Input Voltage | 100-277VAC | Lens | Polycarbonate |

Product Description

E2 Lighting's Full-Cutoff Rotatable LED Wall Packs are available in 25W, 25/40/60W tunable and in 80W models. These wall packs are designed and engineered to be maintenance free, energy-efficient alternatives to traditional fluorescent, high/low pressure sodium, metal halide, induction and other types of lighting fixtures. The wall packs provide high lumens for outdoor illumination at hotels, garages, commercial buildings, public spaces, schools, universities and hospitals. All Full-Cutoff Rotatable LED Wall Packs are available in 5000K correlated color temperature (CCT) thus maximizing brightness. In addition to diminishing energy costs, the fixtures virtually eliminate maintenance expenses with an L70 lifetime of 50,000 hours. UL classified/recognized, UL listed, DLC listed and RoHs compliant.

Product Features

- UL cUL certificate
- IP65 Internal driver
- Input voltage 100-277VAC
- No UV or IR in the beam
- Easy turnkey installation and operation
- Instant start, No humming
- Green and eco-friendly with no mercury
- Long life LEDs lasting up to 50,000 hours
- DLC and UL wet location listed

Applications

- Primary use: Outdoor Full-Cutoff Wall-Mounted Area Luminaires
- Entrance, Courtyard, Industrial, Outdoor Landscaping, Building, Hotel and any Wall Lighting areas and/or environments

Available Options

- Optional color temperatures 5,000 K

Cautions

- Installation by a licensed electrician only.
- Product failure caused by misuse, modification or power surges are not covered under warranty.
- Actual product performance may differ as a result of end-user environment and application.
- Input voltage may vary depending on photocell configuration.

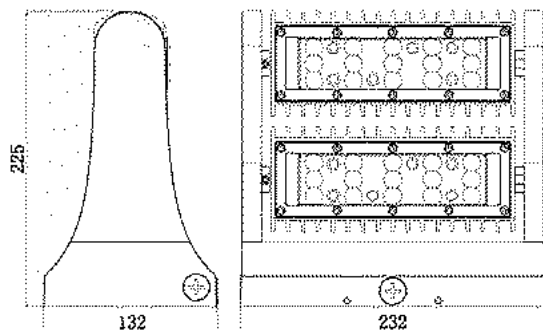
Warranty

E2 warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish. Please see our full warranty terms located at www.e2lightingusa.com.

Technical Support

Need help? Please contact our technical support team for assistance at (415) 670-9362.

Dimensions



Dimensions conversion:

9.13 (232) x 8.85 (225) x 5.19in (132mm)

Ordering Matrix

| Model | Watts | Finish | CRI | Voltage | Luminous Flux | Efficacy | Net Weight |
|----------------|-------|--------|------|------------|---------------|----------|------------|
| E2-WPR-80W-50K | 80 | Black | 73.6 | 100-277VAC | 10640 | 133 | 6.68 lbs |

Model # E2-RWP-80WA1 5000K

11

Manufacturer: E2 Lighting International Inc.

Brand: E2 Lighting International Inc.

Technical Requirements Version:

Date Qualified: 02/03/2017

Product ID: PW17KNET

Categorization

Main: Outdoor Luminaires

General Application: High Output

Primary Use: Architectural Flood and Spot Luminaires

Classification: Premium

Is Parent Product: No

DLC Family Code: VAWWDA

Dimming Status: NotDimmable

Listing Status: Listed

Reported Data

Family Data

Light Output: 10598 lm

Wattage: 79.47 W

Efficacy: 133.36 lm/W

Power Factor: 0.94

CCT: 5000 K

CRI: 73.6

Total Harmonic Distortion: 12.32 %

Project Name: _____ Catalog Number: _____

Notes: _____ Fixture schedule: _____

Rotatable LED Wall Pack Light



E2-WPR-25W-CCT



E2-WPR-25/40/60W-30/40/50K



Product Description:

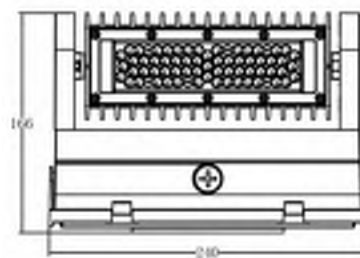
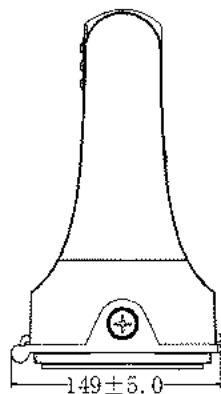
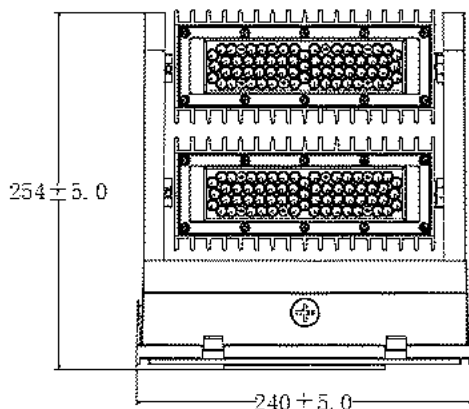
E2 WPR Series Rotatable LED Wall pack lights are long-lasting, low maintenance & highly energy efficient. They can be installed in stairways, tunnels, alleyways, building perimeters, security walls, and packing garages. The WPR Series series is constructed from durable die-cast aluminum to protect against rust, corrosion, dirt and insects in outdoor, wet location environments, their operating temperature range is from -40°C to 45°C. The design allows for replacement of much higher wattage fixtures, while providing equivalent or higher performance.

Features

1. UL cUL DLC (5.1 Standard) certificate.
2. Seoul 3030, high CRI.
3. IP65 Internal driver.
4. Input voltage 120-277VAC.
5. Output constant current lever can be adjusted through output cable with 0-10V
6. No UV or IR in the beam.
7. Easy to install and operate.
8. Energy saving, long lifespan.
9. Light is soft and uniform, safe to eyes.
10. Instant start, No flickering, No humming.
11. Green and eco-friendly without mercury.

E2-WPR-25/40/60W-30/40/50K

E2-WPR-25W-30/40/50K



Specifications

| Model | | E2-WPR-25/40/60W-30/40/50K | | | E2-WPR-25W-30/40/50K | | |
|------------|----------------------------|---|---------|---------|-----------------------------------|---------|---------|
| OPTICAL | Input Power | 25/40/60W(Tolerance : ±10%) | | | 25W(Tolerance : ±10%) | | |
| | CCT(Color Tunable) | 3000K | 4000K | 5000K | 3000K | 4000K | 5000K |
| | Lumen (Tolerance : -10%) | 8880LM | 10160LM | 9680LM | 3100-3600LM | | |
| | Efficacy (Tolerance : -3%) | 111LM/W | 127LM/W | 121LM/W | 125LM/W | 145LM/W | 135LM/W |
| | CRI | >70 | | | >70 | | |
| | Color Consistency | < 7Steps (or < 7SDCM) | | | - | | |
| | BUG | B4-U1-G1 | | | - | | |
| | Beam Angle (50%) | 60 Degree) (Tolerance : ±15%) | | | 60 Degree) (Tolerance : ±15%) | | |
| ELECTRICAL | Input Voltage / Frequency | 120-277VAC, 50/60Hz | | | 120-277VAC, 50/60Hz | | |
| | PF (Tolerance : -3%) | ≥0.9 | | | ≥0.9 | | |
| | THD (Tolerance : +5%) | ≤20% | | | ≤20% | | |
| | Flicker Percent | < 50% | | | - | | |
| | Driver Brand | WeledPower | | | - | | |
| | Driver Model | WP-HHA-075U0382000 | | | HB-LPG030-52 | | |
| | Driver Surge protection | L-N: 2kV, L&N-PE:4KV | | | - | | |
| | Dimming | 0-10V dimming standard | | | - | | |
| | Optional Accessory | Surge protector / Motion Sensor / PIR / Photocell /Auxiliary output 12V | | | - | | |
| MATERIALS | LED Brand | Seoul | | | Seoul | | |
| | LED Type | SMD3030 | | | SMD3030 | | |
| | LED QTY | 30 PCS(3000K/5000K);60 PCS(4000K) | | | 30 PCS | | |
| | Housing | Die-cast aluminum | | | Aluminum Alloy | | |
| | Housing Color | Bronze, Black, or Customized | | | Black, Brown, White or Customized | | |
| | Waterproof Rating | WET (IP65) | | | WET (IP65) | | |
| OTHERS | Operating Temperature | -40℃ TO 45℃ | | | -30℃ TO 45℃ | | |
| | Storage Temperature | -40℃ TO 80℃ | | | -40℃ TO 80℃ | | |
| | Operating Humidity | 10%-90% RH | | | 10%-90% RH | | |
| | Storage Humidity | 10%-95% RH | | | 10%-95% RH | | |
| | Warranty | 5 years warranty with 24/7 operating hours Luminaire lifetime at 25℃. | | | 5 years | | |

Application

1. Entrance lighting,courtyard lighting;
3. Building,The hotel;
2. Industrial lighting,Outdoor landscape lighting;
4. Wall lighting area and so on.

LIGHT DISTRIBUTION TESTING PARAMETERS

E2-WPR-25/40/60W-30/40/50K

Luminaire Property

Luminaire Manufacturer:
Luminaire Category:
Lamo Catalog:
Number of Lamps:
Luminous Length(mm):
Luminous Height(mm):
Current:0.702A
Power Factor:0.993

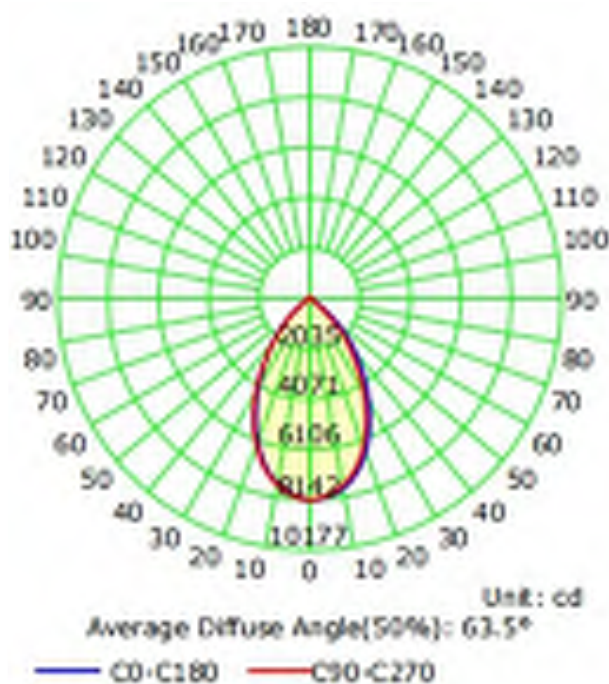
Luminaire Description:
Lamp Description:
Lumens per Lamp:
Luminous Width(mm):
Voltage: 120.0 V
Power: 83.77W

Photometric Results

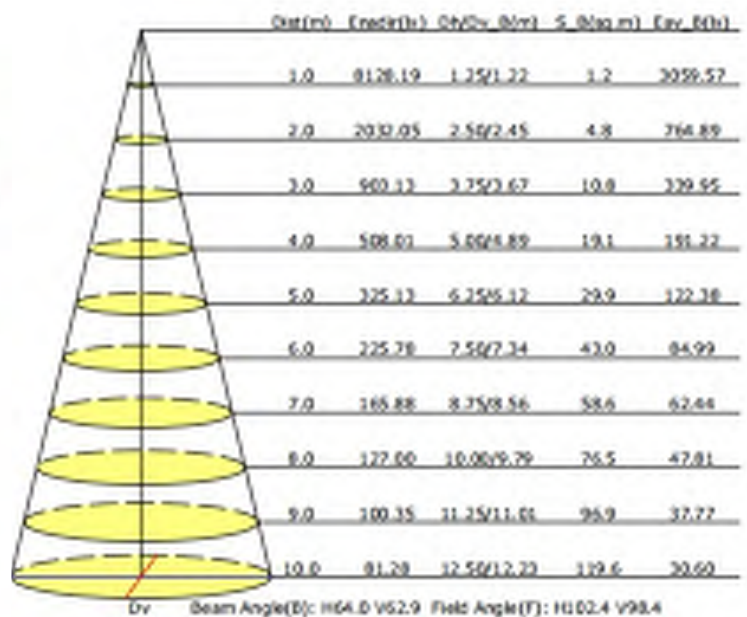
IES Classification: Type1
Total Rated Lamp Lumens: 9268.3 lm
Efficiency:100%
Upward Ratio: 0%
C0r0 Intensity: 8128.19 cd
Pos of Max. Intensity: H45 V2

Longitudinal Classification: Very Short
Measurement Flux: 9268.3 lm
Downward Ration: 100%
Luminaire Efficacy Rating(LER): 110.69
Max Intensity: 8142.36cd

Luminous Inyensity Distribution Curve



The Average Illuminance at Distance



E2-WPR-25W-30/40/50K

Luminaire Property

Luminaire Manufacturer:

Voltage: 120.0 V

Power: 24.16W

Current:0.203A

Power Factor:0.992

Photometric Results

IES Classification: Type1

Total Rated Lamp Lumens: 3139.8 lm

Efficiency:100%

Upward Ratio: 1%

Central Intensity: 2738.93 cd

Pos of Max. Intensity: H90 V4

Longitudinal Classification: Very Short

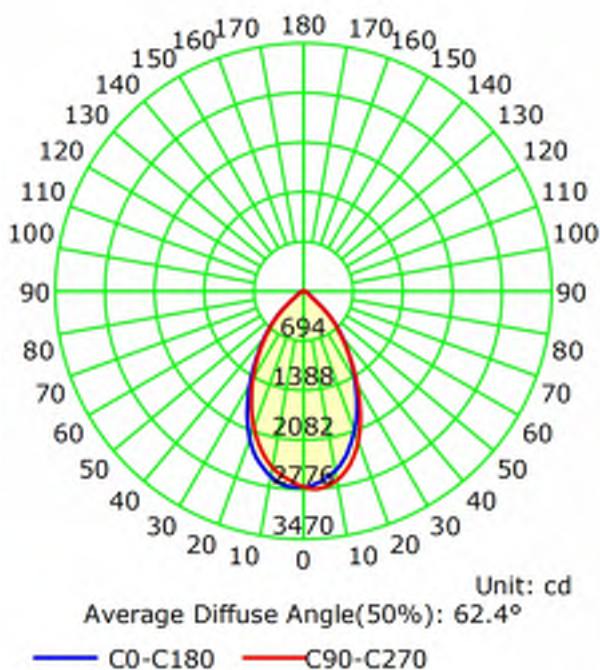
Measurement Flux: 3139.8 lm

Downward Ratio: 99%

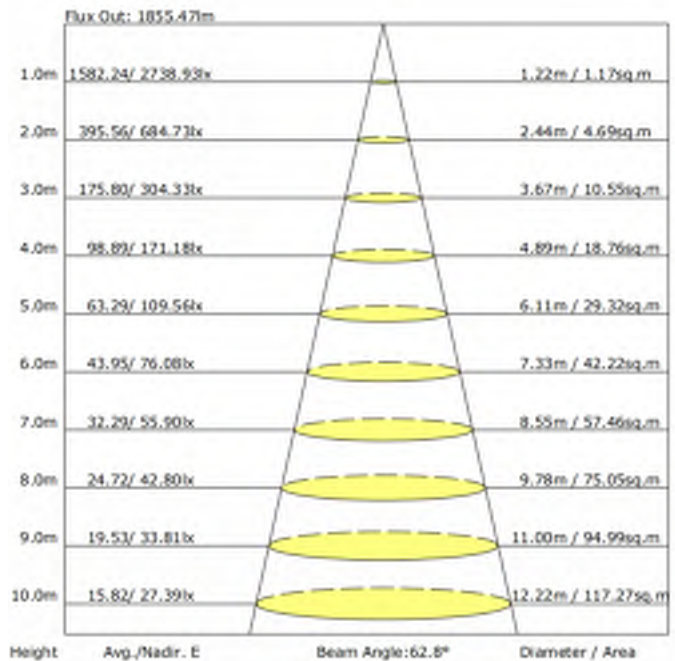
Luminaire Efficacy Rating(LER): 130.01

Max Intensity: 2776.48cd

Luminous Intensity Distribution Curve



The Average Illuminance at Distance



Notice For User

1. Please turn off power before install or change assembly parts.
2. The input voltage and lamps should be matched, after connecting the power line, Please make sure the wiring section is insulated.
3. No-professionals, must not install and disassemble the lamps.

LED WRAPAROUND FIXTURE
E2-WRP-4-30/35/40W-35/40/50K
E2-WRP-4-30/35/40W-35/40/50K-E



Construction

Housing
Steel white powder coating
Mounting options
Surface mount, wall and ceiling

Lens

Frosted polycarbonate lens

Installation

Ceiling row mount up to 8 units is possible with

LED WRAPAROUND FIXTURE

E2-WRP-4-30/35/40W-35/40/50K

E2-WRP-4-30/35/40W-35/40/50K-E

A:Surface Mounting

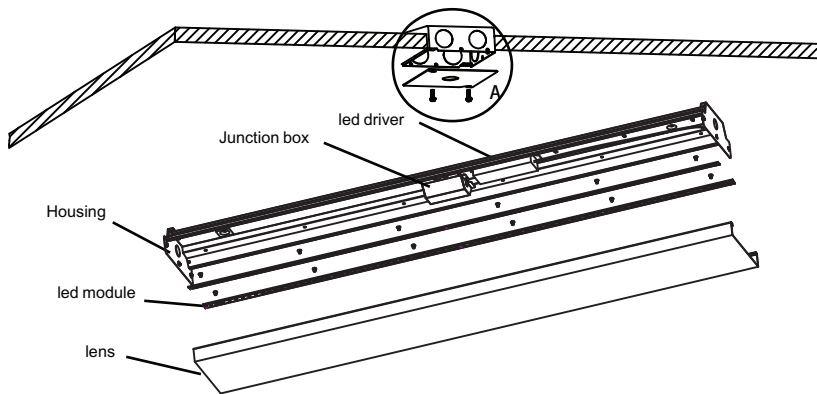


Figure 1
Concealed outlet box

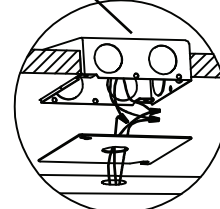
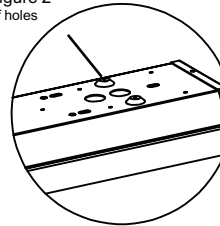
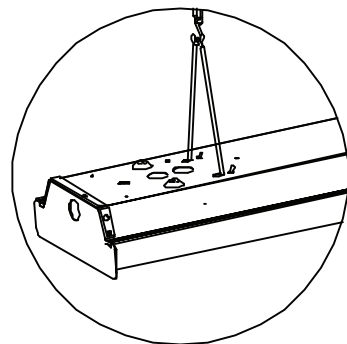
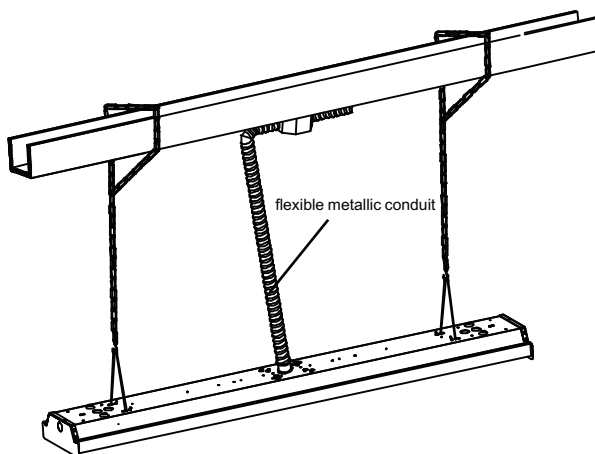


Figure 2
Knock-off holes



1. Remove product from packaging
2. Remove lens by pulling from one side of the fixture and hinge on the other
3. For mounting, using the provided mounting holes on each end of the fixture housing.
4. Make electrical connections according to code.
5. Install channel cover
6. Install lens on one side of the fixture and rotate to engage the opposite side

B:Chain Kit

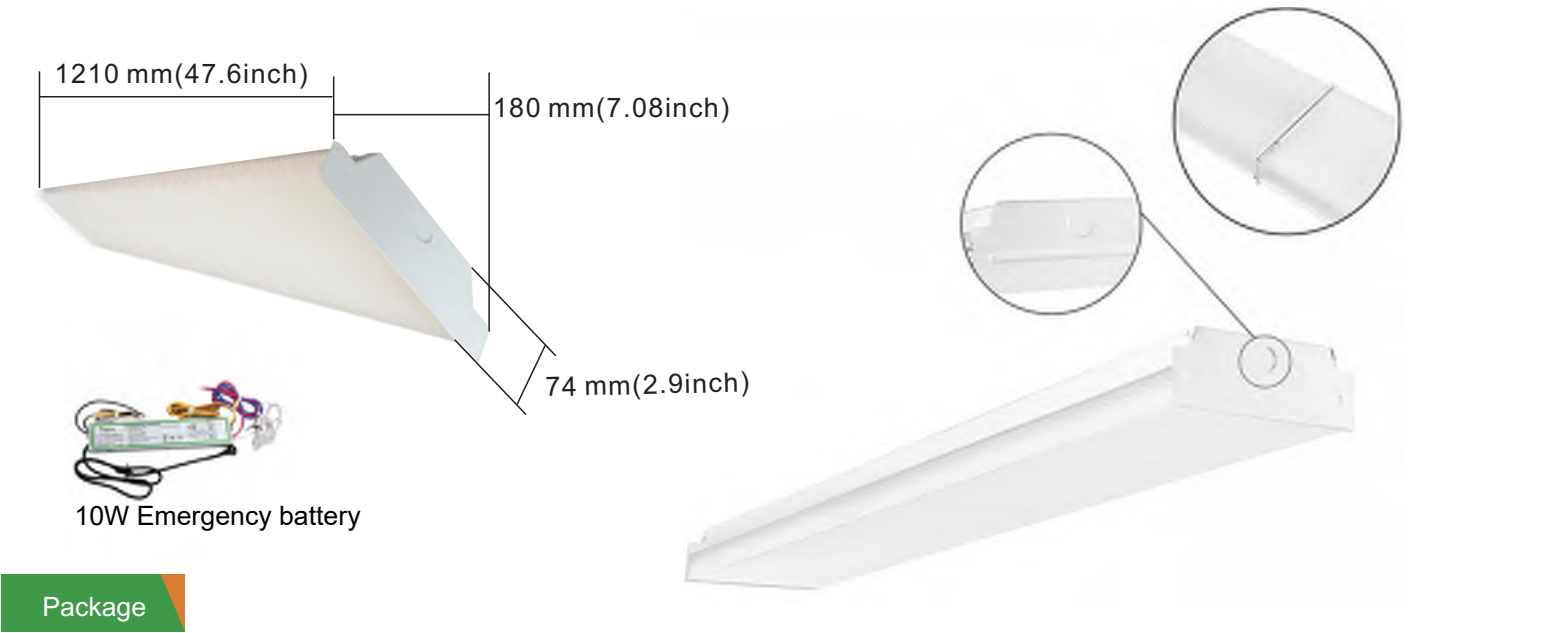


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LED WRAPAROUND FIXTURE

E2-WRP-4-30/35/40W-35/40/50K

E2-WRP-4-30/35/40W-35/40/50K-E



Package

| Model | Size | Power (W) | Color Temperature | Dimming | CRI | System Efficacy (LM/W) |
|---|------|-------------|-------------------|---------|-----|------------------------|
| E2-WRP-4-30/35/40W-35/40/50K | 4FT | 30W&35W&40W | 3500/4000/5000K | 0-10V | 80 | 130 |
| E2-WRP-4-30/35/40W-35/40/50K-E (with integrated Emergency Battery) | 4FT | 30W&35W&40W | 3500/4000/5000K | 0-10V | 80 | 130 |

Packing info

| Model | Packing way | Carton size(mm) | Pallet Loading | | | Non-Pallet Loading | | |
|------------------------------|-------------|-----------------|----------------|-------|-------|--------------------|---------|---------|
| | | | 20'GP | 40'GP | 40'HP | 20'GP | 40'GP | 40'HP |
| E2-WRP-4-30/35/40W-35/40/50K | 4PCS/Carton | 1250x326x207 | | | | 1600PCS | 3300PCS | 3500PCS |



LED WRAPAROUND FIXTURE
E2-WRP-4-30/35/40W-35/40/50K
E2-WRP-4-30/35/40W-35/40/50K-E



Construction

Housing
Steel white powder coating
Mounting options
Surface mount, wall and ceiling

Lens

Frosted polycarbonate lens

Installation

Ceiling row mount up to 8 units is possible with

LED WRAPAROUND FIXTURE

E2-WRP-4-30/35/40W-35/40/50K

E2-WRP-4-30/35/40W-35/40/50K-E

A:Surface Mounting

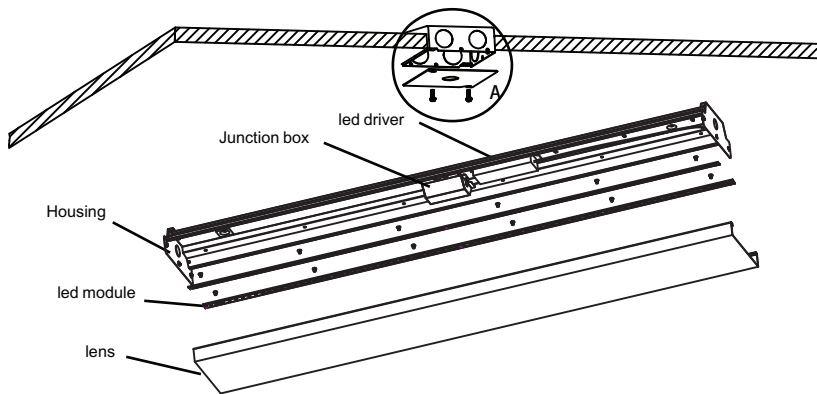


Figure 1
Concealed outlet box

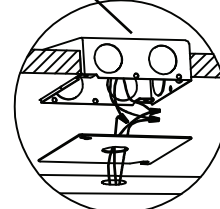
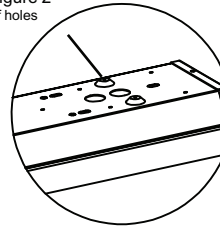
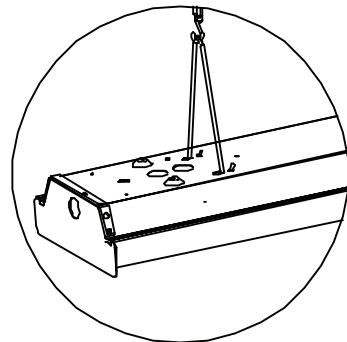
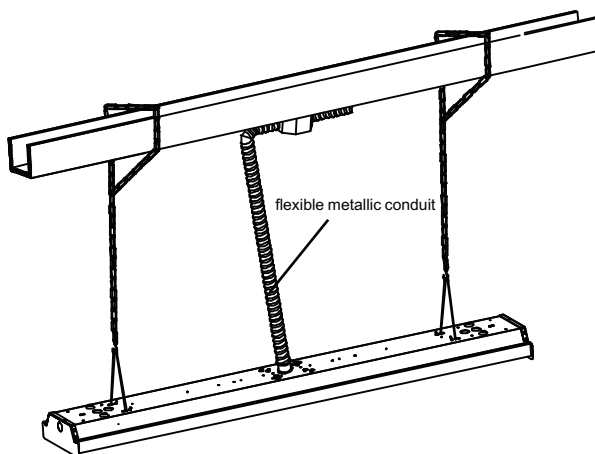


Figure 2
Knock-off holes



1. Remove product from packaging
2. Remove lens by pulling from one side of the fixture and hinge on the other
3. For mounting, using the provided mounting holes on each end of the fixture housing.
4. Make electrical connections according to code.
5. Install channel cover
6. Install lens on one side of the fixture and rotate to engage the opposite side

B:Chain Kit

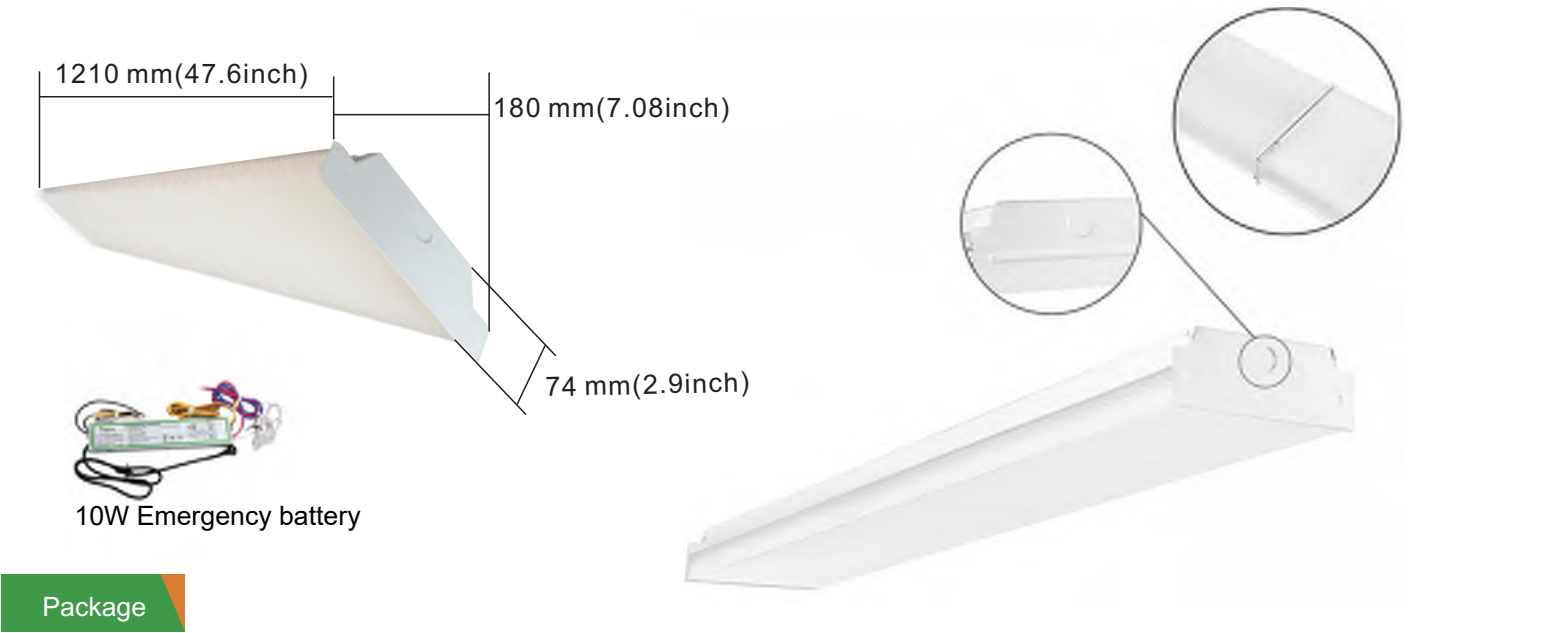


1. Remove product from packaging
2. Remove lens by pulling from one side of the fixture and hinge on the other
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LED WRAPAROUND FIXTURE

E2-WRP-4-30/35/40W-35/40/50K

E2-WRP-4-30/35/40W-35/40/50K-E



Package

| Model | Size | Power (W) | Color Temperature | Dimming | CRI | System Efficacy (LM/W) |
|---|------|-------------|-------------------|---------|-----|------------------------|
| E2-WRP-4-30/35/40W-35/40/50K | 4FT | 30W&35W&40W | 3500/4000/5000K | 0-10V | 80 | 130 |
| E2-WRP-4-30/35/40W-35/40/50K-E (with integrated Emergency Battery) | 4FT | 30W&35W&40W | 3500/4000/5000K | 0-10V | 80 | 130 |

Packing info

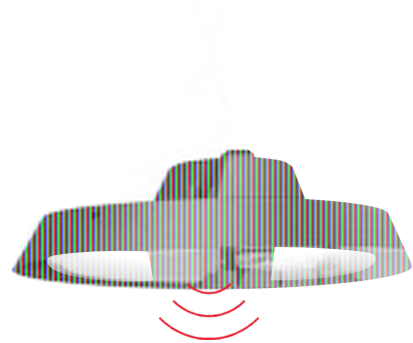
| Model | Packing way | Carton size(mm) | Pallet Loading | | | Non-Pallet Loading | | |
|------------------------------|-------------|-----------------|----------------|-------|-------|--------------------|---------|---------|
| | | | 20'GP | 40'GP | 40'HP | 20'GP | 40'GP | 40'HP |
| E2-WRP-4-30/35/40W-35/40/50K | 4PCS/Carton | 1250x326x207 | | | | 1600PCS | 3300PCS | 3500PCS |



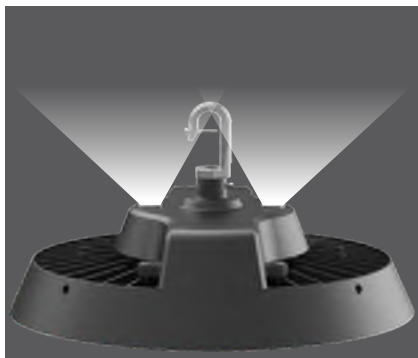
Project Name: _____ Catalog Number: _____

Notes: _____ Fixture schedule: _____

EHB series smart highbay



On-Demand Lighting
First Plug & Play Smart LED HighBay



Product Description

World's first patented designed module type plug & play sensor and sensor embedded luminaire. User can easily scale from an ordinary fixture to a smart fixture in 3 seconds. Wide, Medium, Narrow optics and Dome lens options offer versatility Snap-on design, lens can be replaced quickly and easily.

Features

- Different applications, different choices
- Field installable Uplight kit, Eliminate dark ceilings and corners
- Surge prevention optional
- First patented design with plug & play smart LED

Sensor pluggable



Sensor embedded luminaire



3 seconds easily plug-in



Smart LED HighBay

Accessory Options

Motion Sensor



Daylight Sensor



PC Reflector



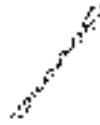
Aluminum Reflector



Cable with plug



Steel chain



Cable Connector



3/4"NPT Converter





Compared with the traditional high bay

| Item | Traditional high bay | Module type plug & play design |
|----------------|--|---|
| Labor cost | Many require re-circuiting or new control wiring. Need professional operation, wasting lots of labor costs | Easy plug-in scalability, any user can easily scale from a standard fixture to a smart light fixture in 3 seconds |
| Upgrade cost | Even if smart lighting is not needed now. upgrades and replacements are very expensive when needed later. | |
| Inventory cost | Need to store intelligent control products specifically, increasing inventory costs | 3 seconds easy plug-in scalability, only need to stock standard products |
| Shipping cost | Intelligent control is customized, purchased according to project requirements, and has high shipping costs. | Module type plug & play sensor and sensor embedded luminaire, Can be stocked up in advance and reduce shipping costs by sea |
| Time costs | Customized according to customer needs, delivery time is long, and business will be missed | Pre-stocking meet fast demand. Easy plug-in installation, save installation time |
| Safety | Wiring is messy and exposed. Hidden security risks | Luminaire-integrated design reduces complexity, 12V DC safe power supply |

Specifications

| On-Demand Lighting-World's First Plug&Play Smart LED High Bay Light | | | | | | | |
|---|--------------------------|--|----------|-----------|-----------|-----------|-----------|
| Model Number | | E2-EHB50 | E2-EHB75 | E2-EHB100 | E2-EHB120 | E2-EHB145 | E2-EHB180 |
| Input Wattage | | 50W | 75W | 100W | 120W | 145W | 180W |
| Standard | Efficiency(+/-5%) | 165-180lm/W | | | | | |
| | Delivered Lumens (+/-5%) | 8500lm | 12750lm | 17000lm | 20400lm | 24650lm | 30500lm |
| Economic | Efficiency(+/-5%) | 135-150lm/W | | | | | |
| | Delivered Lumens (+/-5%) | 7200lm | 10800lm | 14500lm | 17000lm | 21000lm | 25200lm |
| Input Voltage | | 100-240VAC/120-277VAC/249-528VAC, 50/60Hz | | | | | |
| CRI | | 73+ (80+ optional) | | | | | |
| CCT | | 5000K(3000K, 4000K available) | | | | | |
| Beam Angle | | 60°90°120°, Aisle optic 50°100°, Dome Lens 60°90°120°Custom optical | | | | | |
| Power Factor | | >0.95 | | | | | |
| IP Rating | | IP65 | | | | | |
| Working Temp | | -40-122°F(-40-50C) | | | | | |
| Warranty | | 5 Years standard(can be extended to 10 Years) | | | | | |
| Certifications | | ETL,CETL.DLC Premium,FCC,SAA,CE,ROHS,NSF | | | | | |
| Control Options | | DALI, ZigBee, Bluetooth, Daylight Sensor, Motion Sensor, 1-10V Dimming | | | | | |

Ordering Guide

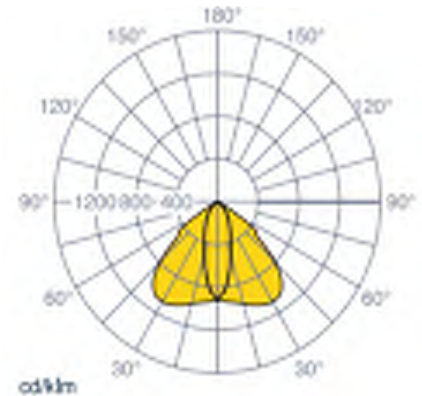
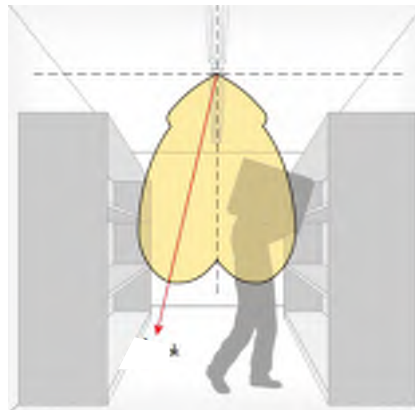
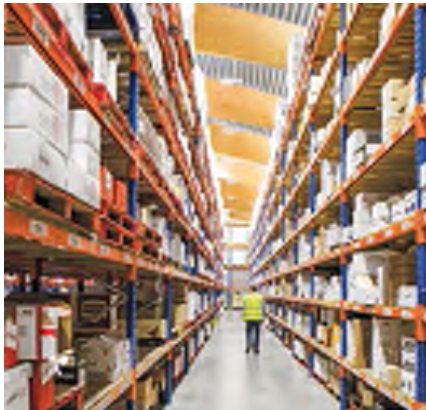
| Family | Watts | Beam Angle | CCT | Finish | Voltage | Mount | Options |
|----------------------------------|--|---|----------------------------------|---|---|---|---|
| E2-EHB | | | | | | | |
| E2-EHB=Easy Smart High Bay Light | 75=75W 100=100W 120=120W 145=145W 180=180W | 60D=60° 90D=90° 120D=120° 5010D=50°100° DM=Dome lens CO=Custom optical | 30=3000K 40=4000K 50=5000K | BK=Black, std SV=Silver WH=White CC=Custom Color | (OMIT)= Universal 120-277V, std HV=249-528VAC | (OMIT)=Hook(1/2"NPT), std BT=Bracket SR=Steel Rope NC=3/4" NPT Converter | (OMIT)=None, std MS=Motion Sensor DS=Daylight Sensor ZG=Zigbee Control DM=1-10V Dimming DA=Dali Control UP=Up light |

Applications

Placing light where needed

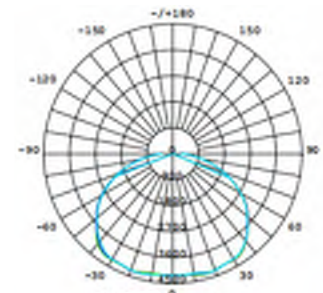
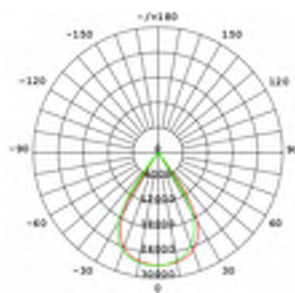
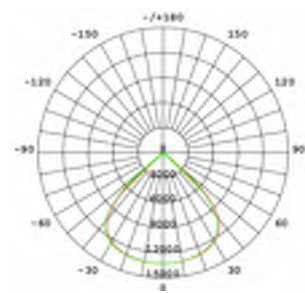
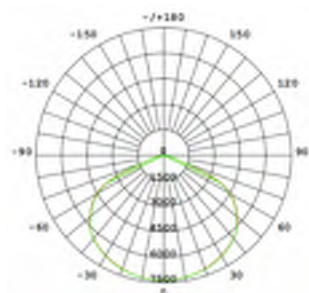
Aisle optic

Suitable for storage spaces, warehouses or retail with narrow spaces between the racks.



Wide, Medium, Narrow Optics and Dome Lens options offer versatility

Snap-on design, lens can be replaced quickly and easily



Different applications, different choices



High Bay with PC lens



High Bay with
aluminum reflector

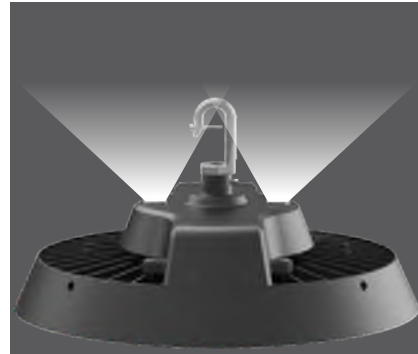


High Bay with prismatic
reflector and drop lens

Field installable Uplight Kit

Eliminates dark ceilings and corners

10KV 20KV
Surge Prevention optional



ZHAGA receptacle available for
external controls provided by others



Various Mounting Options for easy installation



Hook Mount



Adjustable Bracket



Steel Rope
Pendant mount



Indirect Mount



NPT Pipe Mount



Pole Mount as
Post Top Light

Project Name: _____ Catalog Number: _____

Notes: _____ Fixture schedule: _____

G4 LED Emergency T8 Tube

E2-T8-EBBU-ON/OFF-2FT-9W

E2-T8-EBBU-ON/OFF-4FT-18W

NEW



Product Description:

E2's G4 series emergency T8 tubes have a 2-in-1 functionality. Able to act as a regular T8 LED tube that can be turned on/off by wall switch; and as an emergency tube. E2's T8 emergency tubes are the most efficient and convenient in the industry, consuming the least amount of energy in retrofit applications. The T8 LED tube's unique technology enables the use of an emergency battery pack built into the LED tube. This is one of the easiest and most convenient ways to replace a fluorescent system with an emergency ballast. The tube itself contains a 90-minute battery pack. ETL listed, DLC Standard listed and RoHS compliant.

Features

- Emergency battery backup for 90 min or 1.5 hrs
- Test button and indicator lights for power, battery charging, motion sensor and malfunctioning in line with fire protection standards
- Internally isolated LED driver
- Built-in lithium batteries with over-charging and over-discharging protection (800x charge and discharge cycle lifespan)
- Double-Single-Ended power bypass connectivity
- No distortion and no yellowing light
- Light output greater than 120 lm/W
- ETL and DLC Standard 5.0
- 50,000 Hours L70 Lifespan
- 5 year limited warranty

Specifications

| Product Number | Wattage | Color | Certifications | Dimmable | Voltage | Lumens | Working Hours | CRI |
|--------------------|---------|----------------|-----------------------|----------|------------|---------|---------------|------|
| E2-T8-2ft-9W-EBBU | 9W | 4000K 5000K | ETL & DLC Standard | No | AC100-277V | 998 lm | 50,000hrs | 80Ra |
| E2-T8-4ft-18W-EBBU | 18W | 4000K 5000K | ETL & DLC Standard | No | AC100-277V | 2319 lm | 50,000hrs | 80Ra |

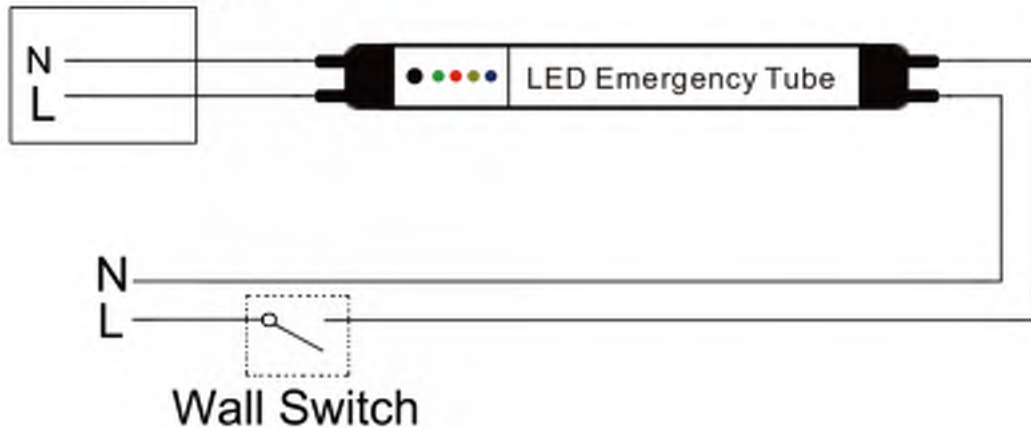
The dimming feature is only available with the integration of a microwave or PIR motion sensor.

Tested Data

| | | | | | |
|------------------------|---|-----------------|---------------------------|--------------|---------------|
| Technical requirements | 5.0 | Classification | Standard | Light Output | 998lm 2319 lm |
| CCT | 4000K,5000K | Input Wattage | 8.2W 18W | Efficacy | >120lm/W |
| Input Voltage | AC100-277V | Power Factor | 0.9 | CRI | 80 |
| Working Environment | -4°F-149°F | Lens | Polycarbonate | Frequency | 50-60HZ |
| Dimming Compatible | No | Beam Angle | 220° | IP Rating | IP44 |
| Base Type | Medium Bi-Pin G13 | Mercury Content | No Hg | THD | <20% |
| Application | Double-Ended Bypass (Default) Singled end (Option) | Dimensions | 2ft for 9W 4ft for 18W | Weight | 0.8 lbs |

Wiring Diagram

Constant Power



•Please read this manual carefully before installing emergency tube.

Installation instruction

1. Before installation, please make sure power off.
2. Emergency test switch is optional. Installed or not depends on local fire requirements.
Note: If the emergency test switch is installed, after correct wiring, please make sure the emergency test switch is on all the time.
3. When installing emergency LED tubes; identify the AC end and the Emergency end.
Remark: the end with test button and indicator lamps is the emergency end(EM) and another end is the AC end(AC)
4. At each end, live and neutral wires can go to either pin
5. Both the AC and EM end supplied with a AC 100-277V voltage supply

NOTE

This product must be installed by a qualified electrician in accordance with the applicable installation code.

Warning:

Battery maintenance instruction:

Once a month, emergency tubes need to charge and discharge at least one time in order to ensure better battery performance.

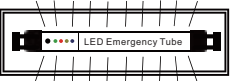


Installation instruction:

This product must be installed by a qualified electrician in accordance with the applicable installation code.

Operation temperature: -20°C(-4°F) to 65°C(149°F)

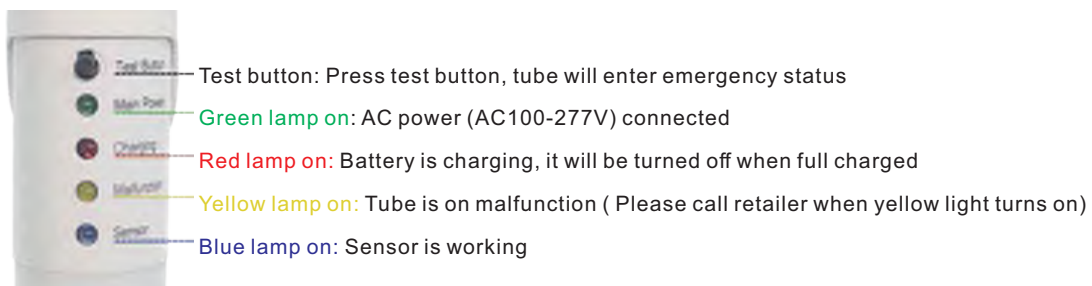
Charging temperature: 0°C(32°F) to 45°C(113°F)

Operation

| | | |
|---|--|--|
| Start (First time connected with AC power) |  | Turn on main power Tube works with full power battery is charging If power fails Emergency function turns on 3W, 384 lm or 8W at 1024 lm output Duration: 90mins |
| Turn on |  | Turn on the switch Tube works with full power battery is charging until be full If power fails Emergency function turns on 3W, 384 lm or 8W at 1024 lm output Duration: 90mins Discharge method once a month when lights are switch on and off during business hours. |
| Turn off |  | Turn off the switch Tube will be turn off battery is charging until be full If power fails Emergency function turns on 3W, 384 lm or 8W at 1024 lm output Duration: 90mins |

Emergency function system

Emergency Lighting will be turned on in 1s with 3W or 8W emergency power
@ 90mins emergency time.



Project Name: _____ Catalog Number: _____

Notes: _____ Fixture schedule: _____

G6 Slim LED Area Light



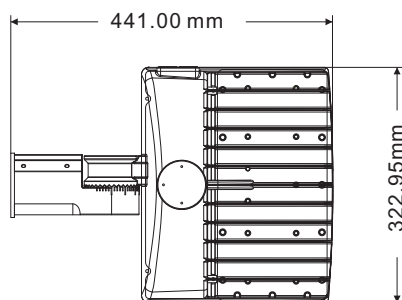
Product Description:

The Slim LED area light made by recycled raw material without harm and pollution to environment. Enclosure design increases the heat dissipation area and provides perfect performance of heat dissipation. It has automatic control energy-saving devices, which reduce the power under various lighting conditions. High quality LED was used to ensure the reliability of functions.

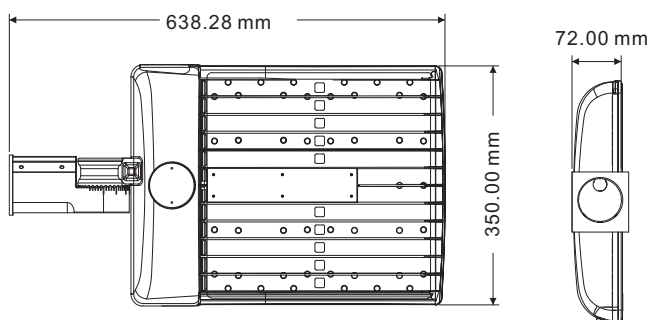
Features

- High efficacy up to 130 lm/w
- Optical lens with adjustable beam angle
- IP 65 waterproof for outdoor
- AC100-277V 50/60Hz
- Different installation methods.
- 5 year Warranty

Physical Dimensions



50W~150W

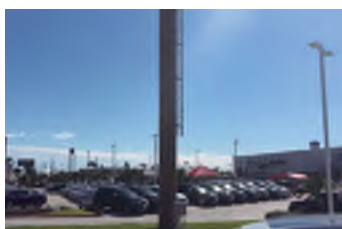


200W~300W

Applications



Shopping Centers



Auto Dealership



Sport Fields



Roadways

E2-SBG6-xxW-xxK-Sensor-Mount-Housing Color

| | | | | | | | | |
|----------|---|-------------|---|---------------|---|-----------------|---|---------------|
| | — | | — | | — | | — | |
| wattage | | temperature | | Sensor | | Mount | | Housing Color |
| 5: 50W | | 27: 2700K | | PH: Photocell | | SF: Slip Fitter | | BR: Bronze |
| 10: 100W | | 30: 3000K | | MI: Microwave | | SP: Square Pole | | BL: Black |
| 15: 150W | | 40: 4000K | | | | WA: Wall | | SI: Silver |
| 20: 200W | | 50: 5000K | | | | RP: Round Pole | | WH: White |
| 24: 240W | | 60: 6000K | | | | | | |
| 30: 300W | | 65: 6500K | | | | | | |

Specifications

| | | |
|-----------------------|--|-------------------------|
| Input Power | E2-SB-G6-50W/100W/150W | E2-SB-G6-200W/240W/300W |
| LED Chip | HongLi 2835 | |
| Driver Brand | SOSEN | |
| Lumens | 6500LM/13000LM/19500LM/26000LM/31200LM/39000LM | |
| Input voltage | AC100-277V 50/60Hz | |
| Lumen Efficacy | 130LM/W | |
| PE | >0.9 | |
| Color Temperature | 2700-6500K | |
| CRI | 70/80 | |
| THD | ≤20% | |
| Housing Color | Bronze / Black / Silver / White | |
| Waterproof Rating | (WET) IP 65 | |
| Operating Temperature | -40°C to +45°C(-40°F to +113°F) | |
| Storage Temperature | -20°C TO +60°C | |
| Storage Humidity | 10%-90% RH | |
| Warranty | 5Years | |

Features



Power Select



Motion sensor

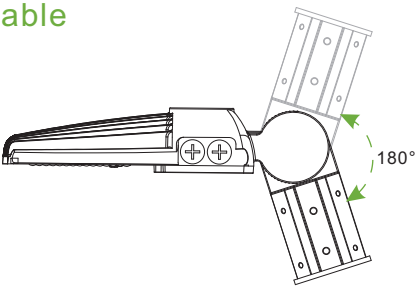


Photocell sensor

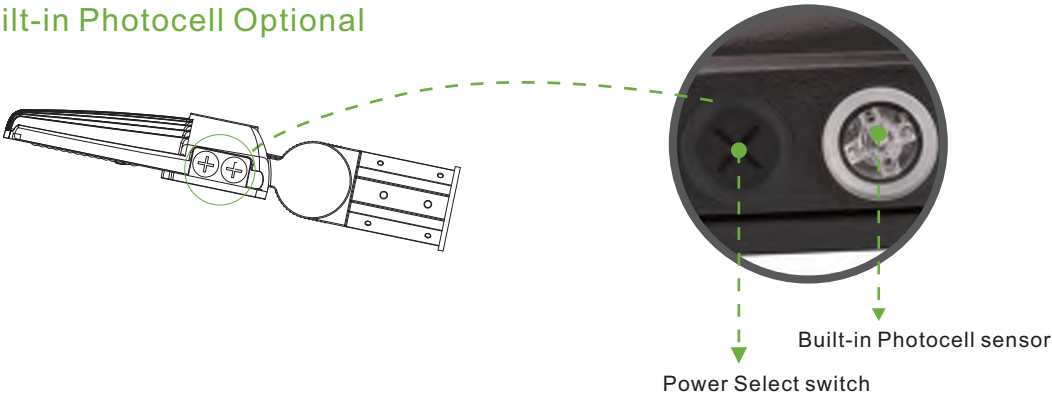


ADC12 Die casting

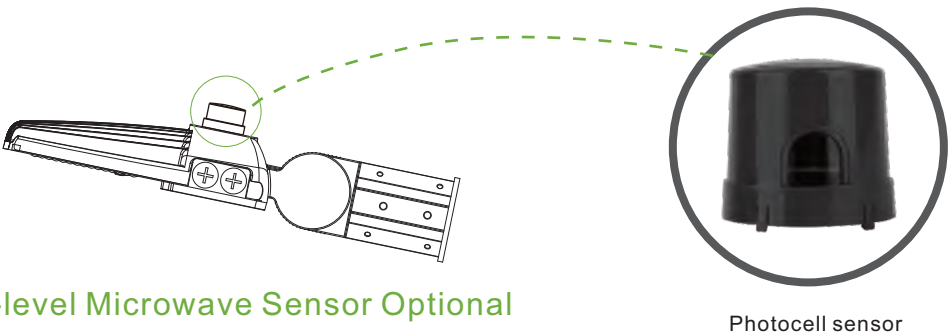
Bracket Angle 180° Adjustable



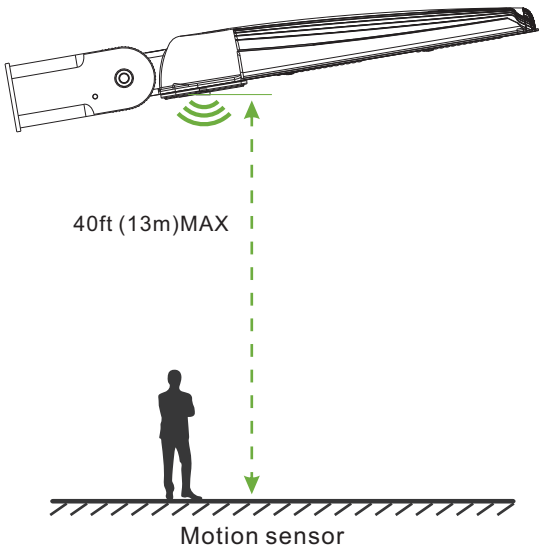
Built-in Photocell Optional



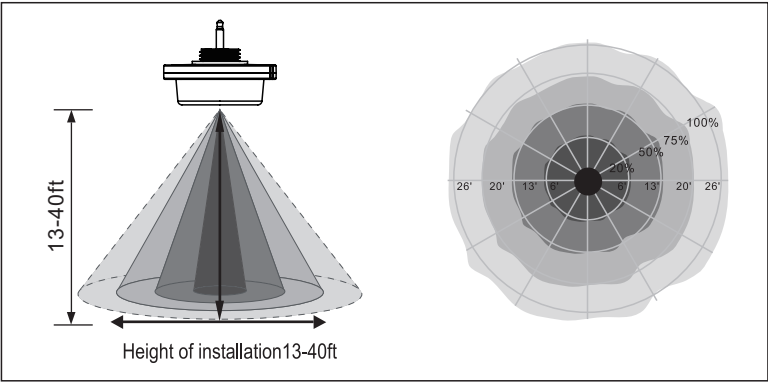
Twist Lock Photocell Sensor



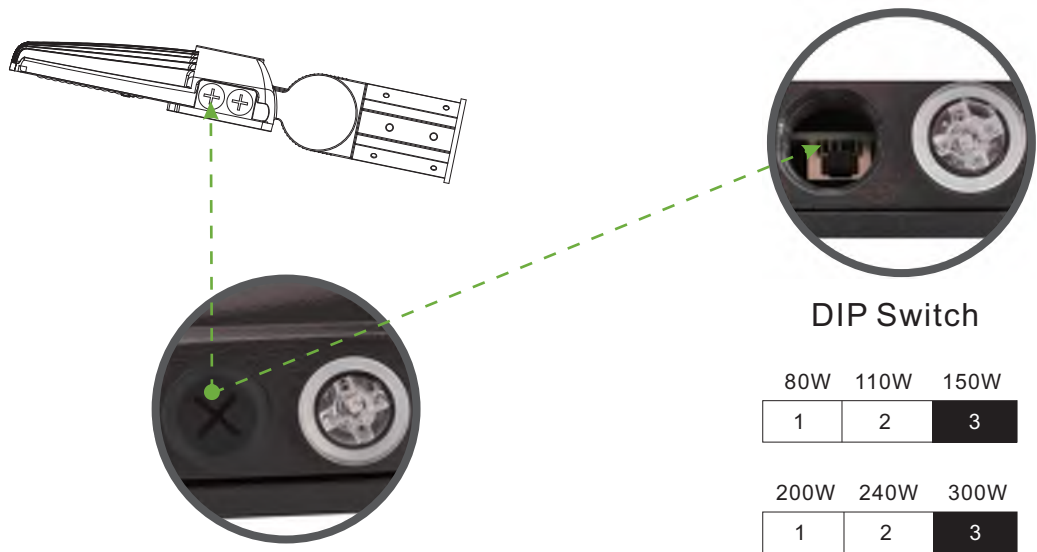
Bi-level Microwave Sensor Optional



SENSOR COVERAGE



DIP switch design, three wattages can be selected

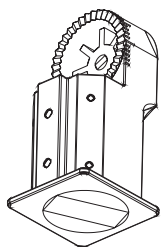


DIP Switch

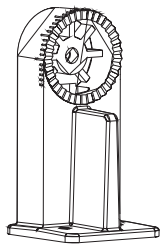
| | | |
|-----|------|------|
| 80W | 110W | 150W |
| 1 | 2 | 3 |

| | | |
|------|------|------|
| 200W | 240W | 300W |
| 1 | 2 | 3 |

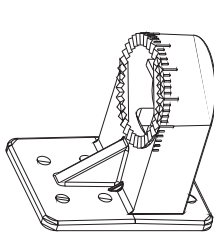
Compatible With Different Mount Brackets



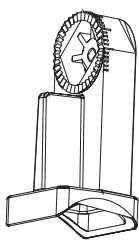
Slip Fitter Mount



Square Pole Mount



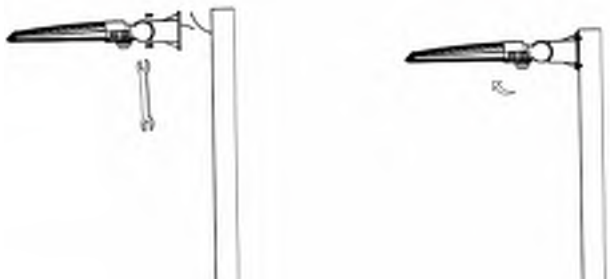
WALL Mount



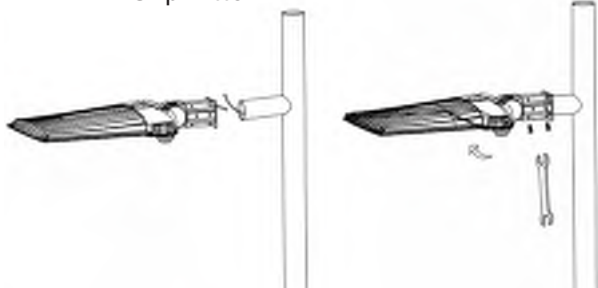
Round Pole Mount

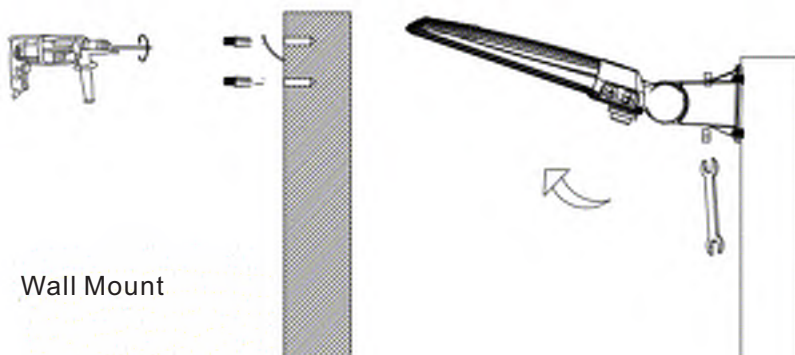
Installation

Square/round arm mount



Slip Fitter

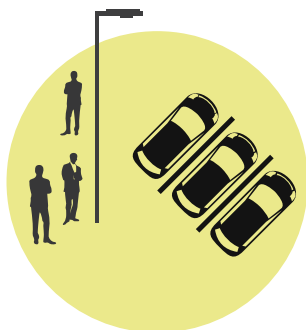
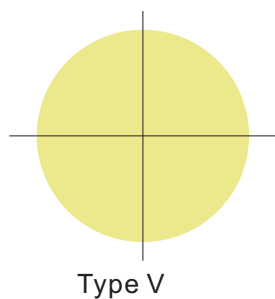
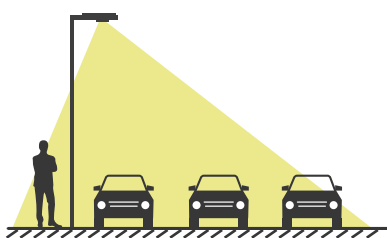
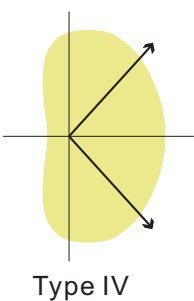
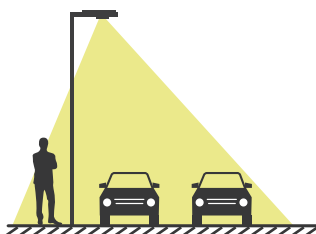
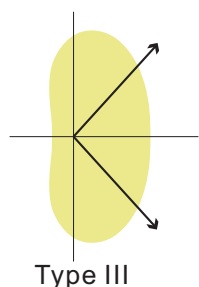




Options For Optic Lens

Type III ,Type IV ,Type V and flood lens optional

Lens Ordering Matrix



Lens Distribution

T5

T3 = Type III (90° X 140°)

T4= Type IV (100° X 140°)

T5 = Type V (120 °)

60 = *Flood (60 °)

30= *Flood (30 °)

Flood Light Lens contain a Type V lighting distribution; typically used in applications with low mounting heights.

LENS QUANTITY PER FIXTURE

QTY: 1 for 5 0W / 80W

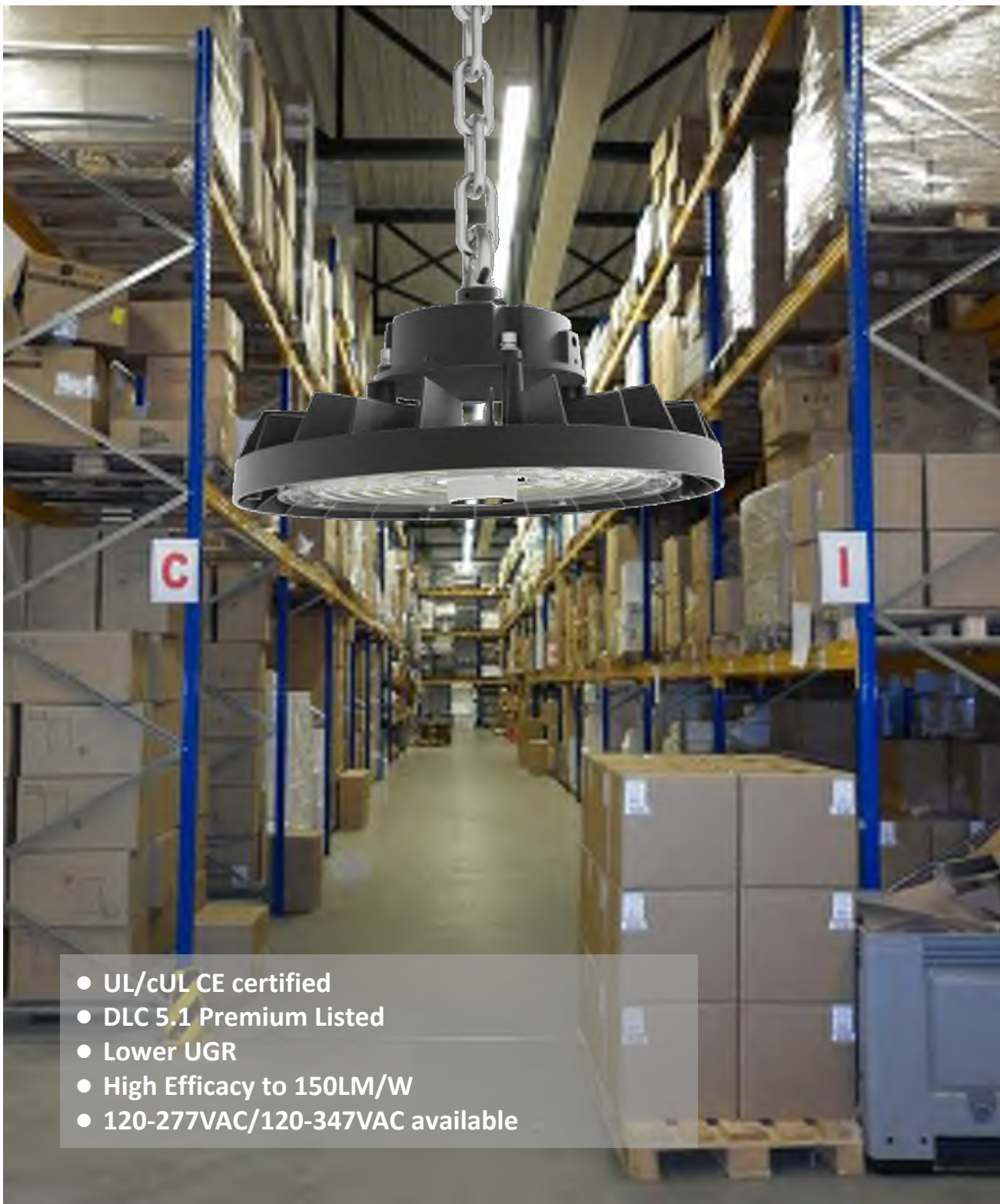
QTY: 1 for 1 00W / 150W

QTY: 2 for 2 00W / 240W

QTY: 2 for 300W

NEW UFO High Bay - HB03 Series

E2 UFO High Bay Light (HB03 series) is widely used in the warehouses, gymnasiums and production assembly areas.



- UL/cUL CE certified
- DLC 5.1 Premium Listed
- Lower UGR
- High Efficacy to 150LM/W
- 120-277VAC/120-347VAC available

PRODUCT APPEARANCE



PRODUCT SPECIFICATION

| Model No. | HB-100W-X-YY | HB-150W-X-YY | HB-200W-X-YY | HB-240W-X-YY |
|-----------|--------------|--------------|--------------|--------------|
| Wattage | 100W | 150W | 200W | 240W |
| Lumens | 14000lm | 21000lm | 28000lm | 33600lm |

| | | | |
|---------------|-----------------------|-----------------------|------------------------|
| Efficacy | 150LM/W (±10%) | Frequency | 50/60Hz |
| Input voltage | 120-277VAC/120-347VAC | Lens Material | PC |
| CCT | 2700-6500K | Housing | Die-cast Aluminum |
| THD | <20% | Color Rendering Index | Ra>80 |
| LED Type | 2835 | Finish | Black/White/Customized |
| Beam Angle | 85° | Additional function | 0-10V Dimmable |
| IP Rating | IP65 | Life Time | L70 @ 54,000Hrs |
| Power Factor | ≥0.90 | Warranty | 5 Years |

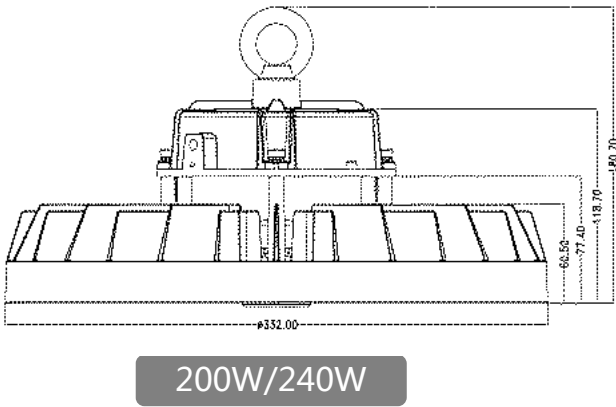
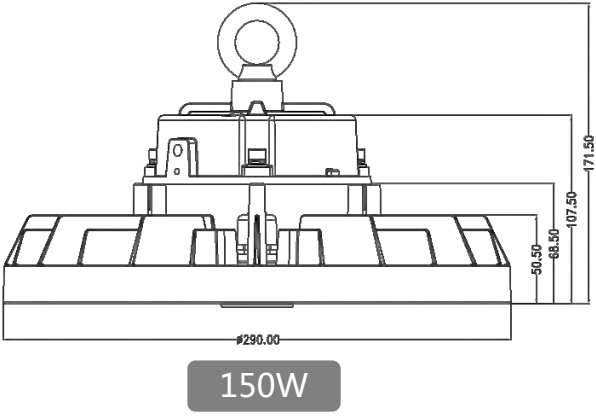
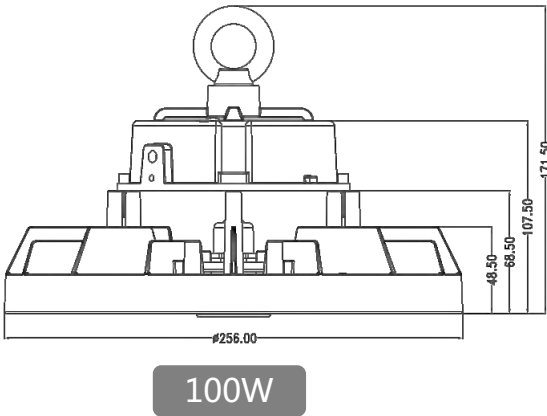
CERTIFICATES



DATA SHEET

LED UFO HIGH BAY LIGHT

PRODUCT DIMENSION



ADDITION ACCESSORIES



Safe rope(2M)



Emergency Driver

MOUNTING OPTION



Ceiling with loop



Ceiling with hook

Project Name: _____ Catalog Number: _____

Notes: _____ Fixture schedule: _____

NEW WEDL-LED Series improved



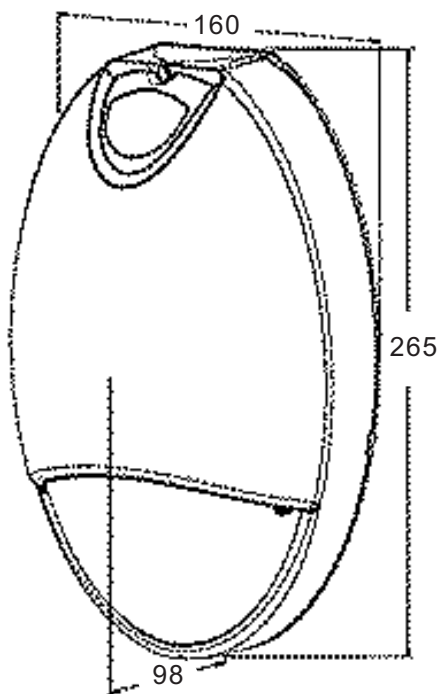
Product Description:

Architectural, low-profile design; Die-Cast aluminum housing; Polycarbonate lens and mirror reflector; Maintain full lumens output duration battery discharge; AC and ACEM model with quick connector; Heat pad for cold weather(optional); Suitable for Wet Location; Photo-sensor or wall switch function for AC and ACEM model.

Features

- Input Voltage:120-277 VAC,60Hz
- Maintained or Non Maintained operation
- Self-diagnostic
- Charge time:24 hours
- Nickel cadmium battery 4.8V 1.8Ah
- 80 CRI min
- 3-step SDCM at 2700K,5-step SDCM at 5000K

Dimensions



Specifications

| Model No | Operating Mode | Test facility | Battery | Recharge time | Duration | Input Rating | | | | Output Rating | |
|-----------------------|-----------------|----------------------|---------------------|---------------|----------|--------------|----|----|-----|---------------|---------------------------------------|
| | | | | | | Voltage | Hz | mA | W | Lamp head | Flux(lm) 5000k/2700k |
| E2-WEDL-901-AC | AC Only | N/A | N/A | N/A | N/A | AC120-277V | 60 | | 13W | 11W | 1200/1000 |
| E2-WEDL-901-ACEM-(CL) | AC and Emergenc | Self test/diagnostic | Ni-Cd 4.8V1.8 Ah | 24H | 90 Mins | AC120-277V | 60 | | 15W | 11W | 1200/1000(AC Mode) 280/250(EMMode) |
| E2-WEDL-901-EM-(CL) | Emergency | Self test/diagnostic | Ni-Cd 4.8V1.8 Ah | 24H | 90 Mins | AC120-277V | 60 | | 3W | 2.5W | 300 |

Color Silver/Black/Dark Bronze/White, 3 Years UV Resistance Paint Coating



Applications


Parking lot, Park, Underground Pathway Residential or Commercial Area



General Lighting

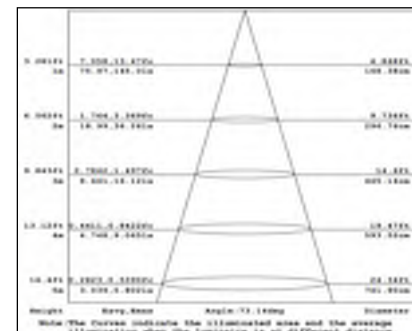
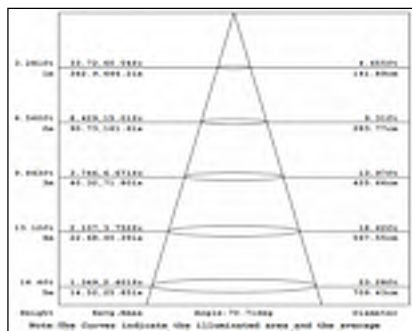
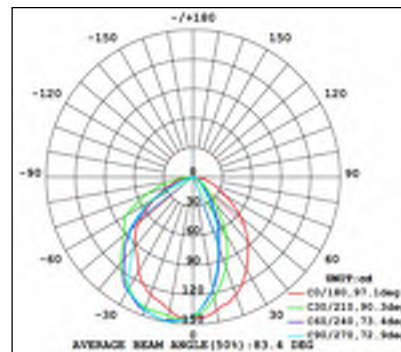
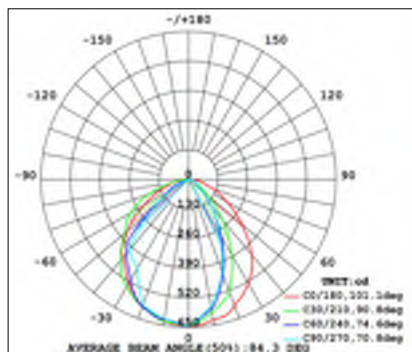
Emergency Mode

WEDL-901-ACEM ILLUMINATION DATA (Discharge 90mins)

| ITEM: | | E2-WEDL-901 | | | Source: | | | COB LED | | | | | | | |
|--------------------|------------|-------------|--------|--------|-----------------|-------|-------|-----------|--------|--------|------------|--------|--------|--------|--|
| Mounting Height: | | 7.2 FT | | | Temperature: | | | 22°C | | | Test Date: | | | | |
| Working Voltage: | | 120VAC | | | Test equipment: | | | TES 1330A | | | Test By: | | | | |
| Test Data (Lux) | Test Point | 65 FT | 5 FT | 4 FT | 3 FT | 2 FT | 1FT | 0 FT | 1 FT | 2 FT | 3 FT | 4 FT | 5 FT | 6 FT | |
| | 0 FT | 11.50 | 11.50 | 15. 6 | 18. 5 | 20.60 | 20.70 | 19.30 | 19. 80 | 20. 10 | 18. 40 | 16. 20 | 13. 60 | 12. 00 | |
| | 1 FT | 13. 50 | 13. 50 | 16. 20 | 19. 00 | 22.10 | 24.10 | 23. 80 | 23. 80 | 22. 00 | 19. 00 | 16. 20 | 14. 10 | 12. 30 | |
| | 2 FT | 11. 20 | 11. 20 | 16. 10 | 18. 10 | 18.80 | 22.90 | 22. 80 | 22. 00 | 19. 80 | 17. 80 | 14. 80 | 13. 30 | 11. 60 | |
| | 3 FT | 10. 70 | 10. 70 | 14. 00 | 16. 30 | 17.30 | 20.10 | 20. 50 | 20.00 | 17. 80 | 15. 80 | 13. 30 | 11. 90 | 10. 10 | |
| | 4 FT | 9. 50 | 9. 50 | 12. 10 | 13. 40 | 14.80 | 15.70 | 16. 70 | 16. 00 | 15. 30 | 13. 50 | 11. 90 | 10. 40 | 8. 60 | |
| | 5 FT | 7.60 | 7.60 | 9.80 | 11.00 | 11.30 | 12.10 | 13.00 | 13.00 | 13.30 | 11.20 | 9.60 | 8.60 | 7.30 | |
| | 6 FT | 5.80 | 7.00 | 7.60 | 8.40 | 9.10 | 9.60 | 10.00 | 10.00 | 9.80 | 8.70 | 7.60 | 6.80 | 6.10 | |
| Average | | 14.1 | | | Max. | | | 24.1 | | | Min. | | 5.8 | | |
| Test Area | FLOOR | | | | | | | | | | | | | |  |
| | 6 | 5 | 4 | 3 | 2 | 1 | 0 | 1 | 2 | 3 | 4 | 5 | 6 (FT) | | |
| | 0 | | | | | | | | | | | | | | |
| | 1 | | | | | | | | | | | | | | |
| | 2 | | | | | | | | | | | | | | |
| | 3 | | | | | | | | | | | | | | |
| | 4 | | | | | | | | | | | | | | |
| | 5 | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | |
| (FT) | | | | | | | | | | | | | | | |



Luminous Intensity Distribution Diagram



Project Name: _____ Catalog Number: _____

Notes: _____ Fixture schedule: _____

Solar Street Light



Product Description:

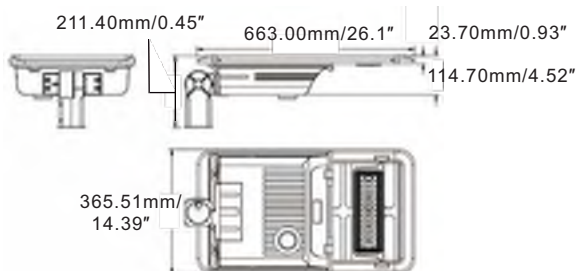
The E2 Solar LED Street light features an all-in-one design with a low profile, including a PIR/microwave motion sensor and a smart controller integrated into the design. It adopts the long life battery for storing energy. The battery can charge and discharge for over 2000 cycles, offer a safer and relatively minor size and longer lifespan. The solar panel design makes it suitable for use in remote regions and areas without electricity supply.

Features

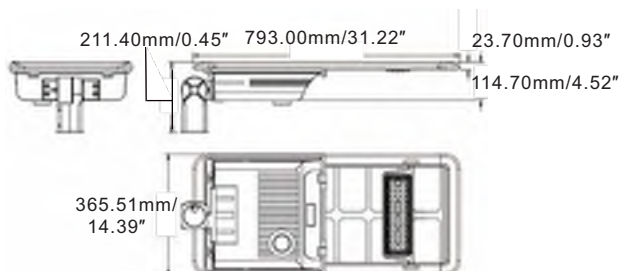
- Bifacial solar panels with an increased overall conversion efficiency of 30%.
- Ultra-high light efficiency.
- Over 2000 cycles charge and discharge of LifePO4 battery
- Rotatable LED module design
- Equipped with unique anti-theft technology on battery
- Lifespan: >50,000Hrs
- Built-in PIR/microwave motion sensor
- Warranty 5 year

Dimension

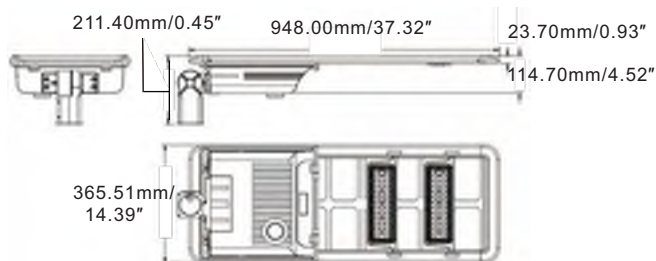
10W/15W



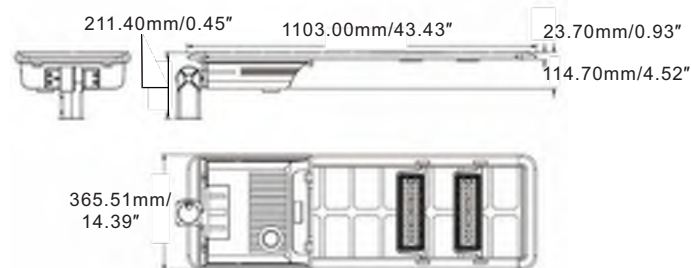
20W/25W



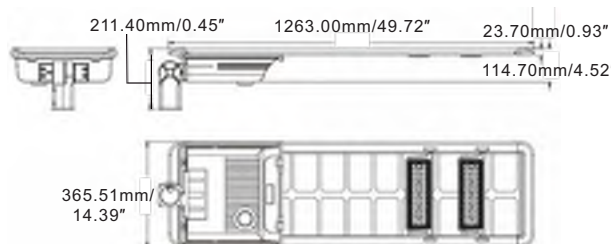
30W/35W



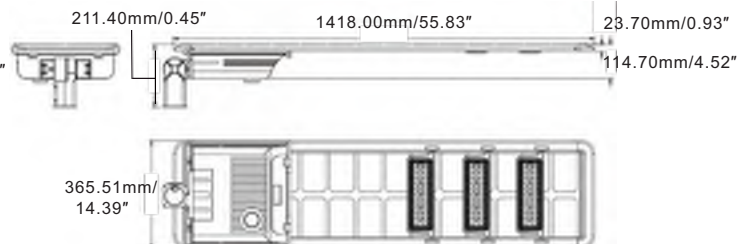
40W/45W



50W



60W





Specifications


| Model | E2-10WsE | E2-20WsE | E2-30WsE | E2-40WsE | E2-50WsE | E2-60WsE |
|---------------------|---|---|--|--|--|--|
| Power(W) | 10W/15W | 20W/25W | 30W/35W | 40W/45W | 50W | 60W |
| Control Option | Photocell sensor, timing, dimming, intelligent power saving, microwave sensor. 4G, Zigbee, Smart Lighting Control optional. | | | | | |
| LED Manufacturer | Seoul | | | | | |
| LED model | Seoul 5050 | | | | | |
| Lens | Polycarbonate | | | | | |
| Efficacy | 200lm/W | 190lm/W | 196lm/W | 192lm/W | 192lm/W | 190lm/W |
| Luminous flux | 2000lm | 3800lm | 5880lm | 7680lm | 9600lm | 11400lm |
| ULOR | = 0%, @ Luminaire inclination 0° | | | | | |
| CCT | 3000K, 4000K, 5000K, 5700K, 6500K | | | | | |
| CRI | 70Ra, 80Ra, 90Ra optional | | | | | |
| Beam angle | T2/T3/T5 | | | | | |
| IP Rating | IP 65, according to standard EN 60529 | | | | | |
| Scx | Front: 0.3465m ² ; Front-side: 0.0535 m ² ; Side: 0.0622 m ² ; | Front: 0.3465m ² ; Front-side: 0.0535 m ² ; Side: 0.0622 m ² ; | Front: 0.4143 m; Front-side: 0.0535 m; Side: 0.0669 m; | Front: 0.4831 m; Front-side: 0.0535 m; Side: 0.0706 m; | Front: 0.5537 m; Front-side: 0.0535 m; Side: 0.0743 m; | Front: 0.6215 m; Front-side: 0.0535 m; Side: 0.0790 m; |
| Housing | Heavy-duty die-cast aluminum (EN AC-46100) | | | | | |
| Surface treatment | Anti-UV thermosetting polyester / 80 micron epoxy primer + Anti-UV thermosetting polyester (for extremely corrosive environments). | | | | | |
| Painting | Black, custom color on request, C5-grade painting. | | | | | |
| Mounting | Universal/Wall mount/Round pole/Square pole | | | | | |
| Photovoltaic panel | Bifacial monocrystalline solar panel | | | | | |
| Solar Panel | 18V/30W | 18V/40W | 18V/50W | 18V/60W | 18V/70W | 18V/80W |
| Li-ion Battery | 153.6WH | 230.4WH | 307.2WH | 384.0WH | 460.8WH | 537.6WH |
| | 12.8V12AH | 12.8V18AH | 12.8V24AH | 12.8V30AH | 12.8V36AH | 12.8V42AH |
| Charing Time | 5.12Hrs | 5.76Hrs | 6.14Hrs | 6.40Hrs | 6.58Hrs | 6.72Hrs |
| Battery lifespan | >2000 times cycle | | | | | |
| Run Time | 15hrs / 10hrs | 11.5hrs / 9hrs | 10hrs / 8.5hrs | 9.5hrs / 8.5hrs | 9hrs | 9hrs |
| Ambient Temperature | -10°C to 50°C (14°F to 122°F) | | | | | |
| Storage Temperature | -20°C to 45°C (-4°F to 113°F) | | | | | |
| Control system | PWM / MPPT / complementary solution, custom IOT and remote control on request | | | | | |
| Maximum Autonomy | Operate 5~7 rainy days under intelligent model. | | | | | |
| Lifespan | L90B10 - 100000 hrs, @Tq 25°C | | | | | |
| Warranty | 3 years as standard (Warranty extension to 5 years on request) | | | | | |
| Certification | FCC CE RoHS, the company is ISO 9001 and ISO 14001 certified, For other certificates please request | | | | | |
| Application field | Road & street, residential area, garden, parks, parking lot, industrial and commercial parks, railway & station side, riverside & jogging track | | | | | |
| Important note! | The provided information is solely for reference; the official measurement report holds higher authority. | | | | | |

Features of E2 Series


- The E2 solar LED street light features an all-in-one design with a low profile, including a PIR/microwave motion sensor and a smart controller integrated into the design.
- The bilateral solar panel design makes it suitable for use in remote regions and areas without electricity supply.
- Using LiFePO4 batteries, which can charge and discharge for over 2000 cycles, over a safer and relatively minor size and longer lifespan.
- Operating time: With the intelligent model enabled, it can operate for 5 to 7 days during rainy weather.
- The controller features an intelligent energy-saving mode with selectable levels, extending the lighting duration and automatically adjusting brightness.



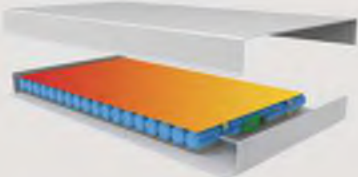
Integral
Monocrystalline
Silicon Solar Panel



Conversion Rate
up to 30%



25 Years
Lifespan



>2000 times
Lifespan Cycle
High quality LI-ion battery
Intelligent temperature control

Accessories

Mounting Options



Type A
Universal Bracket



Type B
Wall Mount



Type C
Round Pole



Type D
Square Pole



Bird Spikes



PIR/microwave
Motion Sensor



Programmable
Remote Control



MPPT
4G/Zigbee-IoT



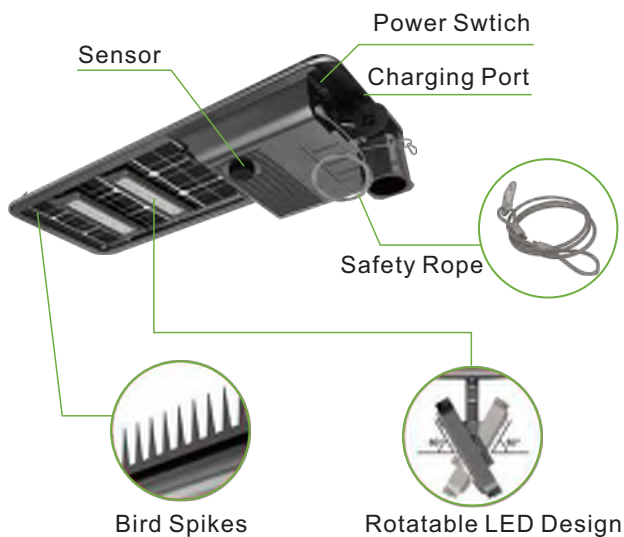
Safety Rope

Application

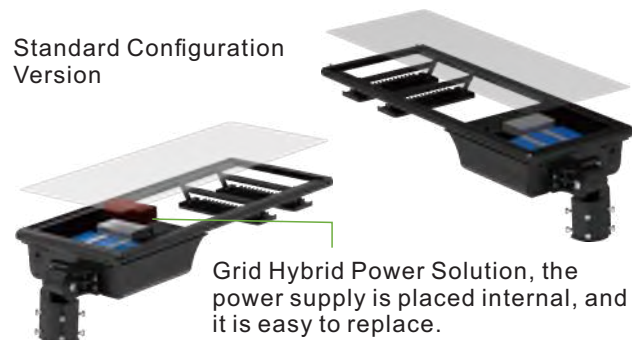
- Road & street lighting
- Residential area lighting
- Garden, parks & perimeter lighting
- Parking lot lighting
- Industrial and commercial park lighting
- Railway & station side lighting
- Riverside & jogging track lighting



Key advantages



Grid Hybrid Power Solution Optional



When the battery voltage is lower than the set value, the power supply will switch to mains power, and when the voltage is higher than the set value, it will switch to battery power. The standard configuration does not include hybrid mains power function.



Ultra-high light efficiency.
10 watts equivalent to at least
20 watts of others.



Equipped with unique anti-theft
technology on the battery door
for added security. Designed for
easy battery replacement.



Multiple installation methods
available to suit various
applications, such as light poles,
wall surfaces, and more.



Over 30 different road optical
designs available to accommodate
various road conditions while
ensuring efficient use of light.



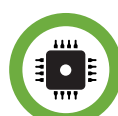
Bifacial solar panels with an
increased overall conversion
efficiency of 30%.



Rotatable LED module for ease
of installation and optimal solar
panel angle adjustment to
follow the sun's path.



Designed to replace traditional
35-400 watt lighting systems. With
options from 10W to 60W, it can
meet all road lighting requirements.



Featuring a built-in PIR/microwave
motion sensor and smart controller,
as well as complementary AC and
DC capabilities (Optional).

Photometrics Design

Lumen efficiency >200lm/W
achieve higher illumination



High
Efficiency



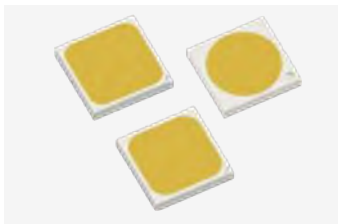
Long
Lifespan



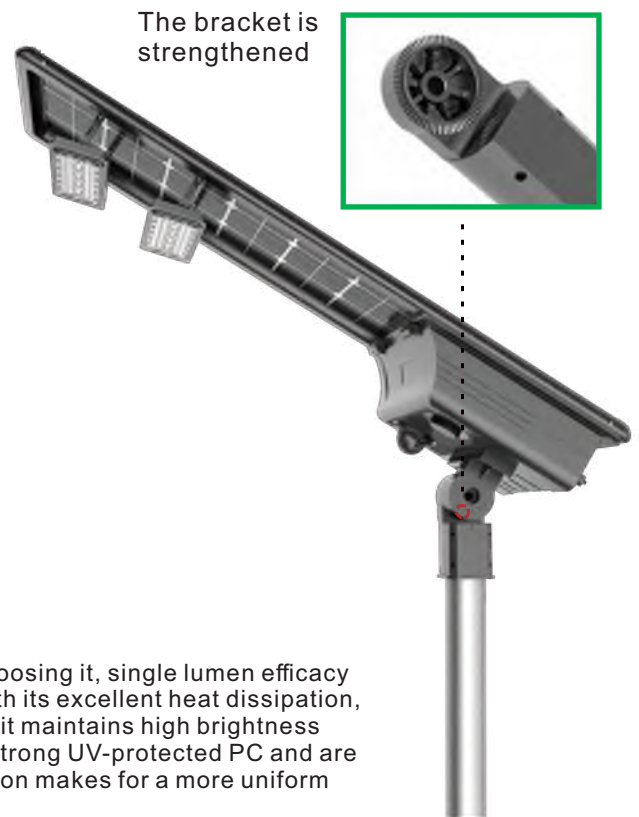
Less
Calorific Value



Low
Light Decay



Seoul 5050 LED chip creates a first-class light source. By choosing it, single lumen efficacy >200lm/W, with the aluminum lamp base and sealed lens, with its excellent heat dissipation, it is as if the LED chip has been placed in a sealed unit. Thus it maintains high brightness levels with very little fading. The sealed lenses are made of strong UV-protected PC and are aging and shock-resistant; The well-optimized light distribution makes for a more uniform and wider lighting area.



Distribution

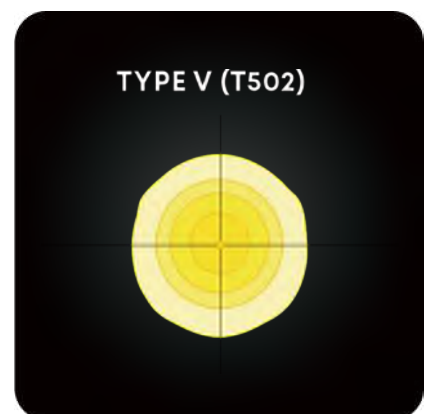
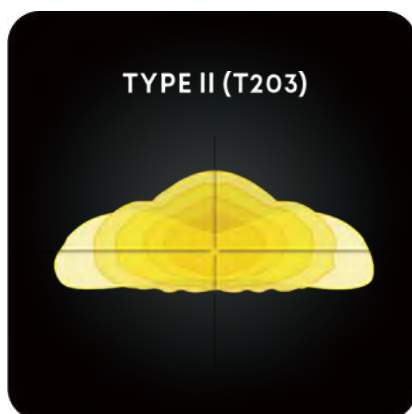
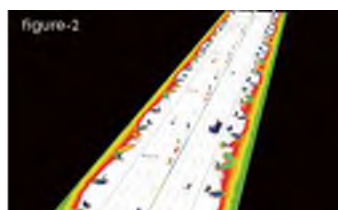
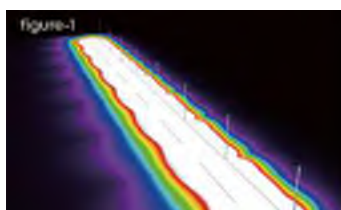


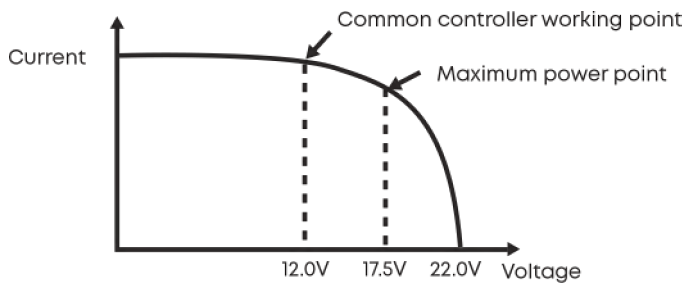
Figure-1: Example of rural branch road

Figure-2: Example of main road or avenue



Planning and analysis of street lights can be done by using lighting simulation & design software, which allows the lighting effect a more intuitive display. It uses rendering, the process of generating an image from a model, by means of computer programs resulting in different tools for measuring the simulated light levels.

Advantages of controller



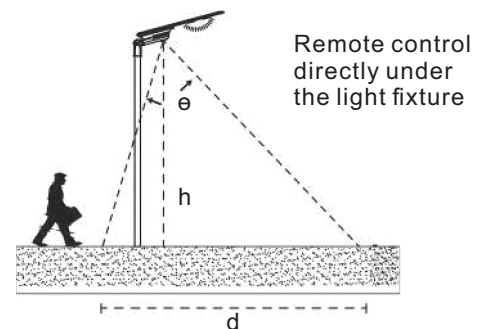
(take 12V battery system as an example)

- 1) Moving Track MPPT maximum power tracking technology is adopted to improve the tracking efficiency and speed by more than 20%;
- 2) UltraGreen power control technology with extremely low static power consumption and sleep current;
- 3) 10 time-periods programmable load power/time control;
- 4) Multiple intelligent power modes can be selected, and the load power can be automatically adjusted according to the battery power;
- 5) Multiple protection functions such as battery /PV reverse connection protection, LED short circuit/open circuit/power limit protection;
- 6) Aluminum metal housing, IP67 waterproof rating, can be used in a variety of harsh environments
- 7) Extensible IoT remote communication monitoring function;

Detection distance

Remote control distance 5-8 meters, installation height and environment and other factors will affect the controller sensitivity, please refer to the actual field.

Note: Please do not place 2 or more lights within 12 meters at the same time while using the remote controller, receiving or sending may fail.



| Inductive Type (alternative) | θ -Angle (X-axis rotation: 360°) | h (Height of lamp rod) | d (Inductive width) |
|------------------------------|---|--------------------------|-----------------------|
| IR(Infrared) | 60° | 6-8m | 6-10m |
| WB | 65° | 6-10m | 7-10m |

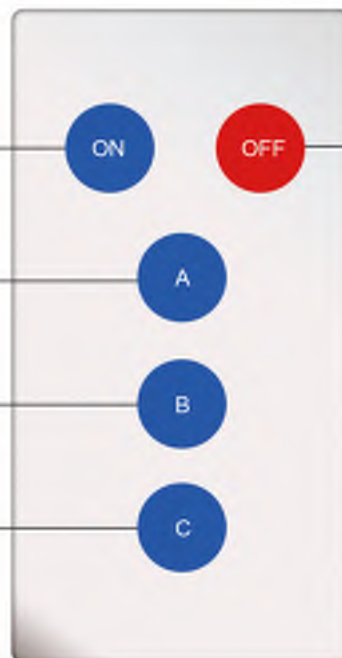
Remote control

. Turn on the anti-theft module

. Time contro+ PIR mode
4 hours 100% and 30%
3 hours 70% and 30%
3 hours 50% and 20%
4 hours 30% and 10%

.PIR mode
Human sensed.100%
No sensed, 30%

. Time control mode
2 hours 100%
2 hours 70%
4 hours 50%
6 hours 10%



. Turn off the anti-theft module

Note:

. Default output setting as Mode A.

. 5 buttons on controller:
"NO""OFF""A""B"and"C"The remote control should aim at the sensor head on the fixture and press the corresponding key to send the signal. If it is written & received successfully, the indicator light will flash accordingly, else failed.

. Energy-saving description:
Mode A: optimal
Mode B: medium
Mode C: best
Please select the mode according to the condition of installation site.

Bifacial Solar Panel

Cost is one of the biggest factors a big factor - particularly in the case of monofacial modules. The cost of bifacial modules has fallen precipitously over the last two decades. Notably, as costs have decreased, so too has the cost gap between mono - and bifacial modules.

There is no doubt bifacial modules will increase power production. Results and studies have shown that bifacial modules can produce additional power between 10-20% over monofacial panels. If conditions are optimized and single - axis trackers adopted, the additional power can be as high as 30-40%.



Site selection:

The site selection of the bifacial panels can be optimized. For places where land is less expensive and electricity supply is less, monofacial panels should be laid in the right direction to ensure maximum energy collection. However, bifacial modules can have optimal spacing and therefore higher yields. Also, bifacial yields are greater where the diffuse light energy is greater, which means at higher latitudes the bifacial yield will be greater than at lower latitudes.

High Albedo:

The environment has a high albedo that is great for bifacial panels compared with monofacial panels. Desert sand is even a better option. The best option is white concrete or highly reflective roof foil. Snow and ice also have a very high albedo.

Tilt:

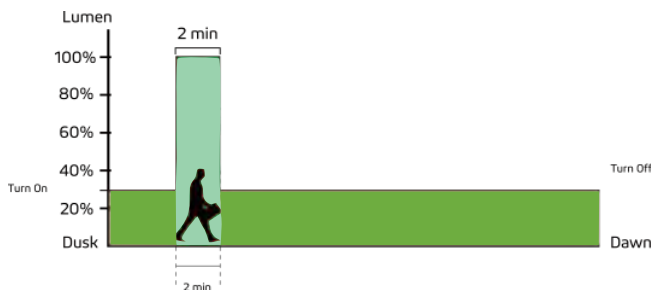
More flexible than monofacial panel. Bifacial panels can receive light even at sunset. This will vary from site to site, but generally, 2-15 degrees more than the monofacial tilt has been shown to be effective.

Smart City Starts with Smart Lighting

autonomy control reference

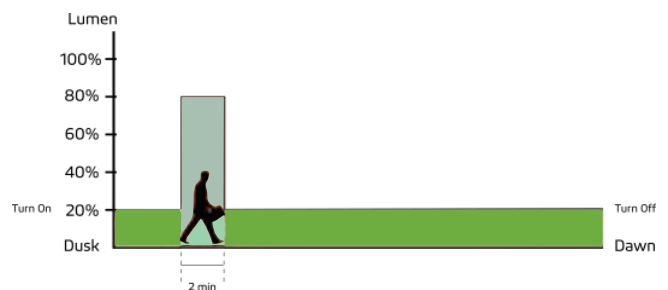
30%-100% MOTION SENSOR MODE

Constant 30% brightness (turns on at dusk, turns on at dawn);
100% brightness turns on for 2 minutes when motion is



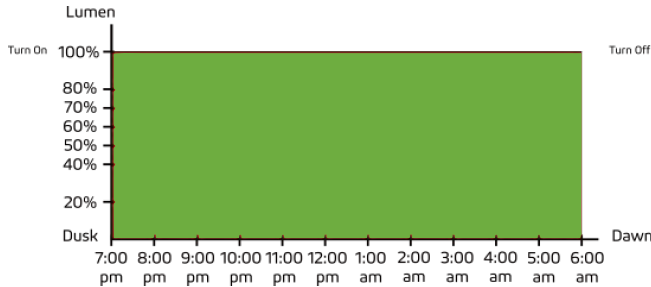
20%-80% MOTION SENSOR MODE

Constant 20% brightness (turns on at dusk, turns on at dawn);
80% brightness turns on for 2 minutes when motion is



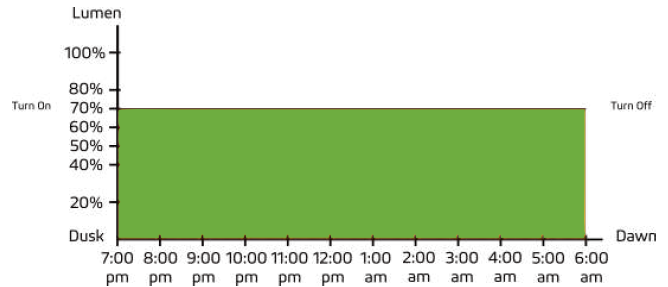
100% CONSTANT MODE

100% brightness from dusk to dawn.



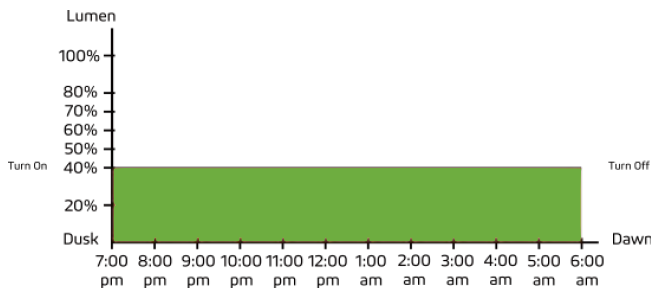
70% CONSTANT MODE

70% brightness from dusk to dawn.



40% CONSTANT MODE

40% brightness from dusk to dawn.



PROGRAMMABLE CONTROLLER OPTIONAL



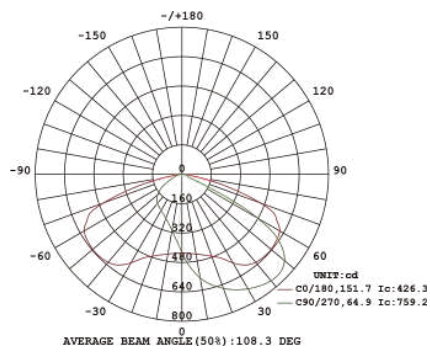
A programmable remote control is used to adjust the appropriate plan according to the different periods of daylight and road conditions in each area and season.

Default mode

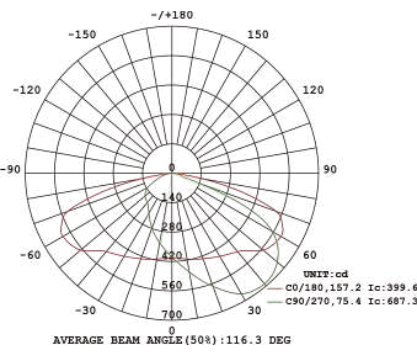
- 1) 4H-Detected 100%, None 30%;
- 2) 3H-Detected 70%, None 30%;
- 3) 3H-Detected 50%, None 20%;
- 4) 4H-Detected 30%, None 10%;
- 5) Subject to specific order.

Photometry

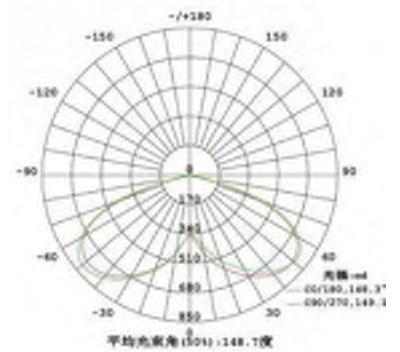
Type II



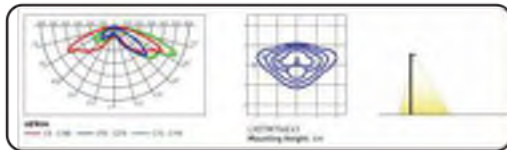
Type III



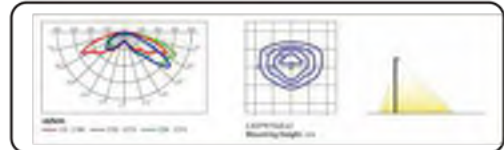
Type V



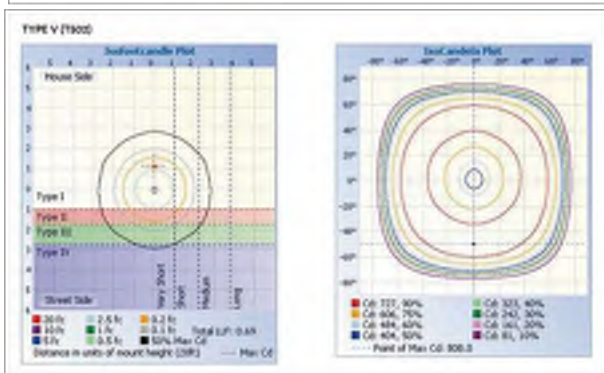
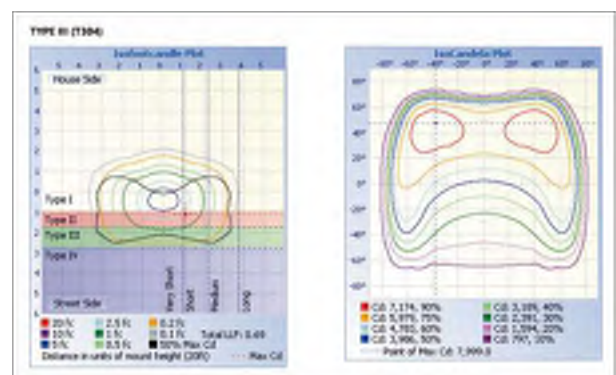
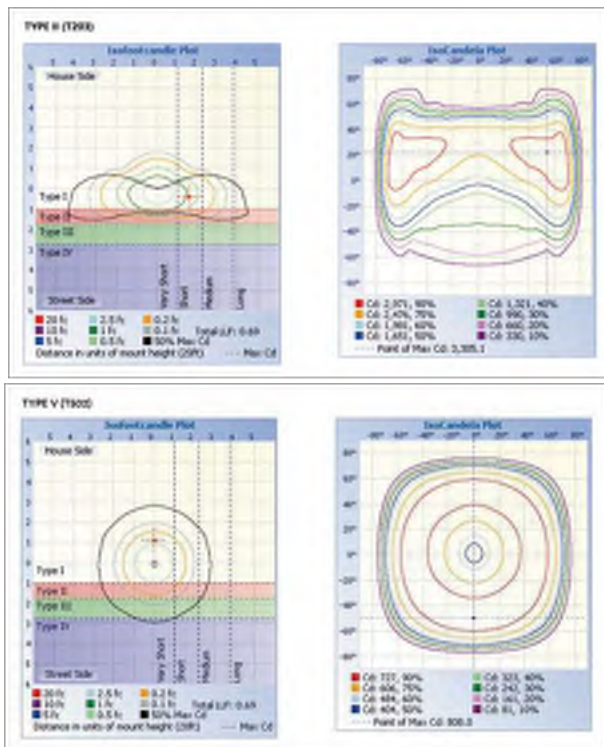
Type 2 for street lighting, cycle paths and footpaths



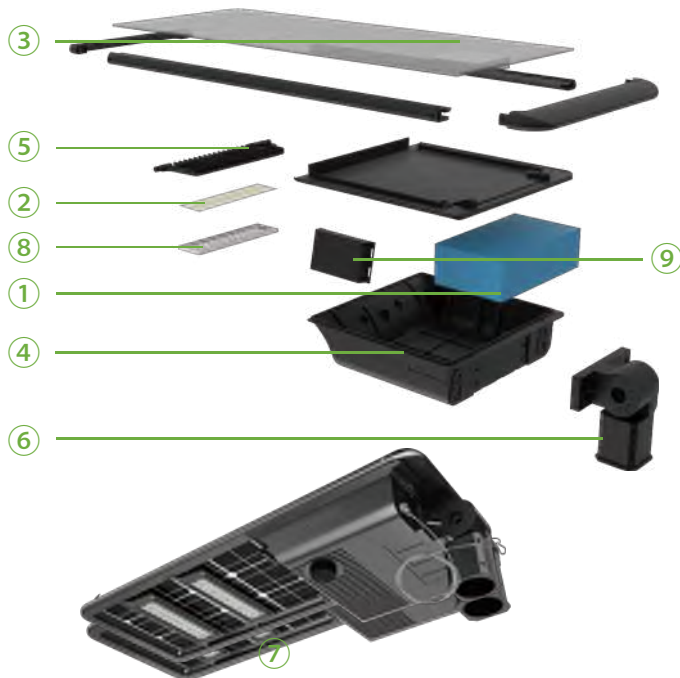
Type 3 for street light and car parks



Illuminance Diagram

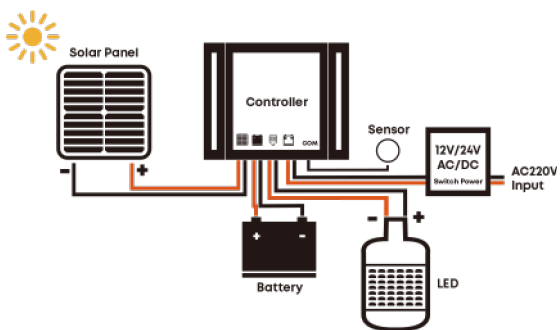


Construction Features



1. Easy battery replacement design, can be renewed for 7 years.
2. Ultra-high light efficiency, 10 watts equivalent to 20 watts of others at least.
3. Bilateral solar panels, the overall conversion efficiency is increased by 30%.
4. Unique anti-the technology on battery door.
5. Rotatable LED module, worry-free installation, best solar panel angle adapt to the sun.
6. The various installation methods suit for any application likes light poles, wall surface and etc.
7. From 10 to 60 watts, can replace the traditional 35-240 watts, meeting all road application conditions.
8. Customizable optical road lighting designs, adapt to various road conditions but no waste of light.
9. Controller, system charging and charging intelligent control center.

Working Way



The solar panel receives solar radiation energy and converts it into electricity, which is stored in the battery by the photovoltaic controller. At night, when the illumination gradually decreases to about 10 LUX and the solar panel voltage is 5V, the charge and discharge controller detects this voltage value, and controls the battery to discharge for the LEDs to complete the process of daytime charging and evening discharge.

When the battery voltage is lower than the set value, the power supply will switch to mains power, and when the voltage is higher than the set value, it will switch to battery power. The standard configuration does not include mains complementary function.

Ordering Information

| E2 | | | | | | | |
|-------|----------|---------------|--------------------------------|------------------|--------------|--------|----------|
| Watts | Voltage | LED Chips | Type of Sensor | CCT & CRI | Distribution | Mount | Color |
| 10WSE | DC=Solar | S5=Seoul 5050 | 00=Without Sensor | 3070=3000K 70CRI | T2=TYPE II | Type A | BK=Black |
| 15WSE | NV=Grid | | SN=Motion Sensor (up to 9M) | 4070=4000K 70CRI | T3=TYPE III | Type B | |
| 20WSE | | | PIR=PIR Sensor (up to 7M) | 5070=5000K 70CRI | T5=TYPE V | Type C | |
| 25WSE | | | DV=Dimmable | 5770=5700K 70CRI | | Type D | |
| 30WSE | | | | 6570=6500K 70CRI | | | |
| 35WSE | | | | 3080=3000K 80CRI | | | |
| 40WSE | | | | 4080=4000K 80CRI | | | |
| 45WSE | | | | 5080=5000K 80CRI | | | |
| 50WSE | | | | 5780=5700K 80CRI | | | |
| 60WSE | | | | 6580=6500K 80CRI | | | |

Accessories (Order separately)

- Intelligent APP control
- IOT Management
- AC & DC complementary

Accessories (Order separately)

Intelligent APP control
IOT Management
AC & DC complementary

Tri-Proof Vapor Proof



Features

Housing: Plastic With Aluminum
Inside Thermal Conductivity: 226 W/
m·K Led: Bridgelux

CRI: Ra >80

SDCM: <6

Power Factor: >0.95

THO: <15

Driver: XZ power

Driver Efficiency: >90%

Protection: OTP, OCP, OVP, SCP

Surge Protection: 2KV

Waterproof: IP65

Impact Test: IK08

Electrical: 100-277V, 50/60Hz

Operating Temperature: -20~40

°C TM21: L80B10>50,000H

Lifetime: 50,000H





PC housing

uv resistant and anti-yellowish

Aluminum heat sink inside

better heat dissipation and lumen maintenance

High Brightness 1401 m/W

Bridgelux led is used to achieve high brightness

● ● ● ● ● ● ● ●
In order to help our customer to lower labor cost during installation, our Lock&Lock series tri-proof light's end-cap is designed specially. With screw-free lock buckles on each end, it can be open very easily so that customers can rewire into the terminal inside the housing. And 3XL, 3x1.5mm², 3x2.5mm², 5x1.5mm² and 5x2.5mm² wire through are all for option to be linkable in series. ● ● ● ● ● ● ● ●

**Screw
Free**





3-core Terminal



5-core Terminal

With Terminal Inside

3 core or 5 core terminal is available to be rewired inside easily



One Connector



Two Connectors

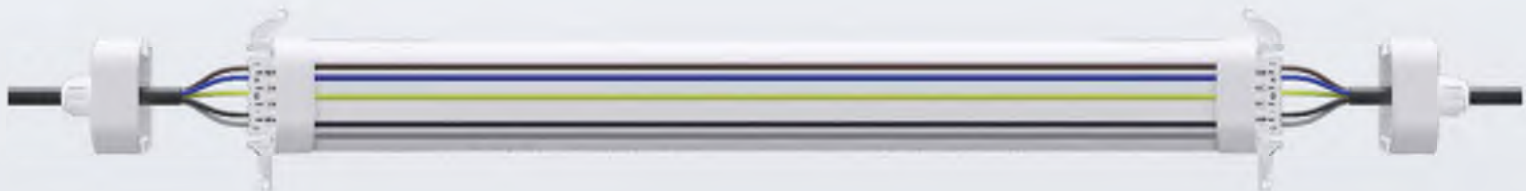
PG connector

The PG connector on each end cap can be extended to 2pcs in order for easy connection

PG connector

The PG connector on each end cap can be extended to 2pcs in order for easy connection

Wire Through



With Wire Through

3x1.5mm² / 3x2.5mm² / 5x1.5mm² / 5x2.5mm² wire though are all available to be linkable in series

Linkable in Series



Linkable

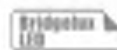
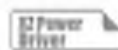
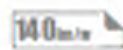
Linkable in series. Loading capacity is up to 14400w



Functions

ZigBee - PWM - DALI - 0/1~10V - Micro-wave

Optical options:



| Model | Watt | Voltage | Lumen | CRI | IP | Dimension |
|--------------|------|----------|--------|-----|------|---------------------|
| TP020LU2F-BX | 20W | 100-277V | 2800LM | >80 | IP65 | L25.90*W2.91*H2.51" |
| TP040LU4F-BX | 40W | 100-277V | 5600LM | >80 | IP65 | L40.07*W2.91*H2.51" |
| TP060LU5F-BX | 60W | 100-277V | 8400LM | >80 | IP65 | L59.13*W2.91*H2.51" |

Project Name: _____ Catalog Number: _____

Notes: _____ Fixture schedule: _____

Solar Flood Light



Product Description:

This Solar flood light has an unique design for large beam angle. Core technology ASL2.0 by Independent develop, automatically adjust Power consumption on rainy days, to support 10 days working with fully charged. The professional lighting distribution offered wide lighting area. The amazing performance would be impressed.

Features

1. Continuously lighting for 10 rainy days
2. 4m cable and extra extension cable is available
3. Multi functional remote controller
4. Unique design achieves transmittance over 90%
5. High efficiency LED beads, 190lm/w
6. Different power provides with 300W & 600W
7. Battery protection to make sure longer life span
8. IP65 rated, for wet location
9. 5 years warranty

Application

Landscape, High way, Park, Street, Roadway, Parking lot, Plaza and Farm etc.

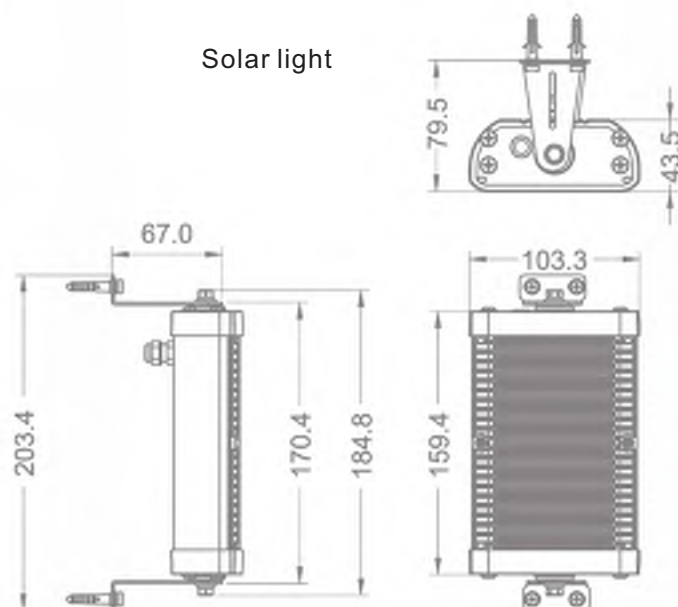


Specifications

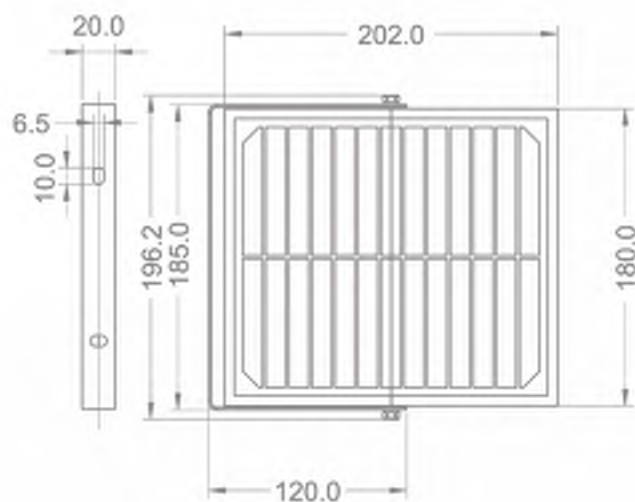
| | | |
|--------------------------------|--|--|
| Item: | SWL-20PRO | SWL-40PRO |
| Light Brightness | 3000 Lumens | 6000 Lumens |
| Solar panel | | |
| Power | Monocrystalline, 14V/5W | Monocrystalline, 14V/10W |
| Li-ion battery | | |
| Capacity | 3.7V28.86WH 2.6AH/PC | 3.7V57.72WH 2.6AH/PC |
| Charging/Discharging Temp | 0~45℃ / -20~60℃ | 0~45℃ / -20~60℃ |
| Charging Time | 7.5H | 7.5H |
| LED (OSRAM) | 3030 30pcs | 3030 60pcs |
| Color Temp | 5700K, Ra 70+ | 5700K, Ra 70+ |
| Efficiency | 190lm/W | 190lm/W |
| UV LED | — | — |
| Performance | | |
| Lighting Time in Rainyday | >10 days | >10 days |
| Control Mode | Button Switch, ON/OFF Long Press 1.5s | |
| Lighting Mode (Remote Control) | M1: 50% 1500LM(5H) + 10% 300LM Till dawn M2: 30% 900LM(5H) + 10% 300LM Till dawn M3: 20% 600LM Till dawn T: 3000LM 2Hrs | M1: 50% 3000LM(5H) + 10% 600LM Till dawn M2: 30% 1800LM(5H) + 10% 600LM Till dawn M3: 20% 1200LM Till dawn T: 6000LM 2Hrs |
| Mode Indication | M1: Red / M2: Green / M3: Orange, T: Green light flashes | |
| Capacity Indication | Green: >70% Orange: 30%~70% Red 10%~30% | Green: >70% Orange: 30%~70% Red: 10%~30% |
| PIR | — | — |
| Core technology | ALS2.3 | ALS2.3 |
| Solar Panel Autoclean | — | — |
| IP/IK Class | IP 65 | IP 65 |
| Install Height | — | — |

SWL-20PRO

Solar light

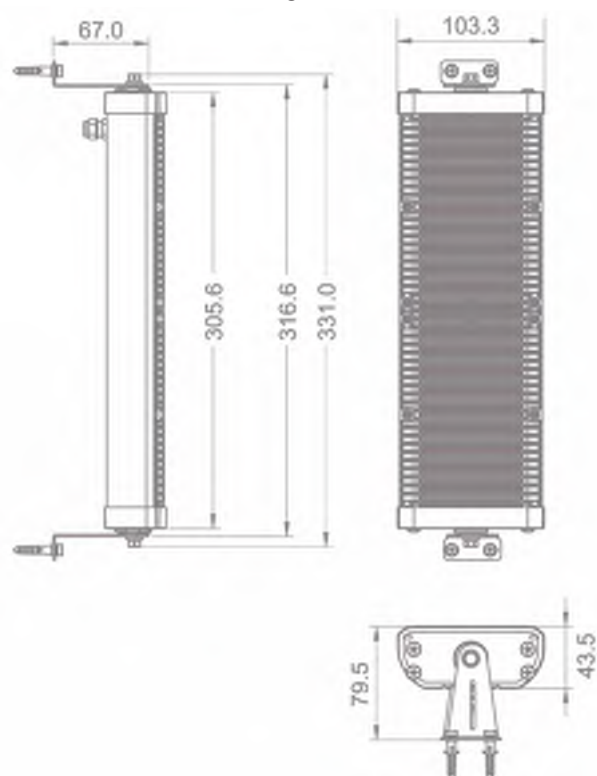


Solar panel

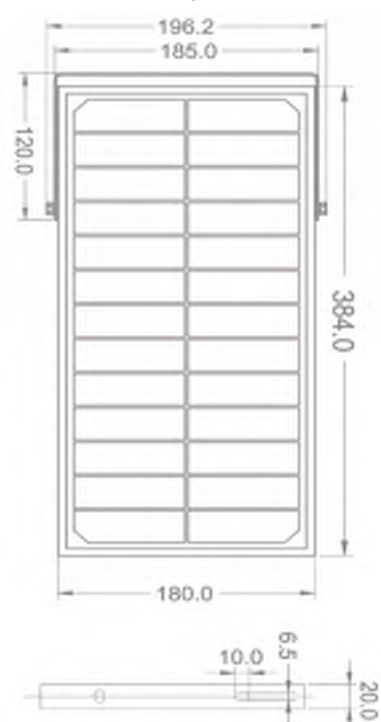


SWL-40PRO

Solar light

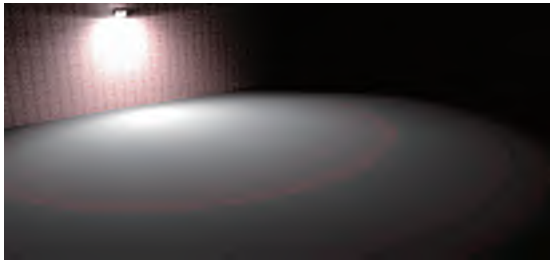


Solar panel

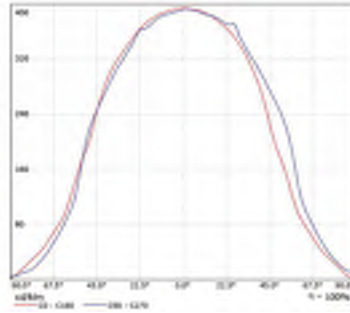


Optical Figure

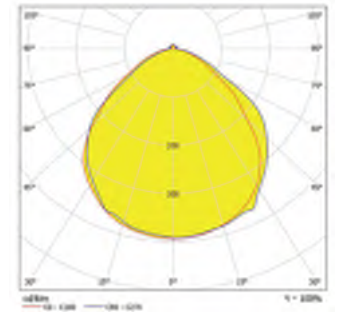
Road Simulated Diagram



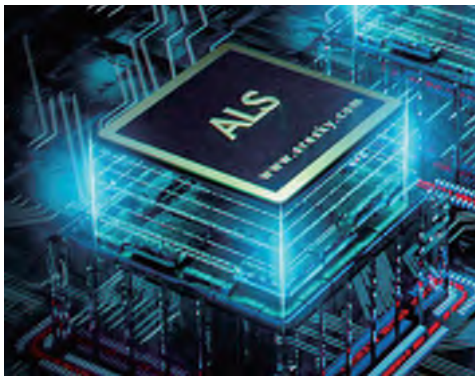
Illumination Curve



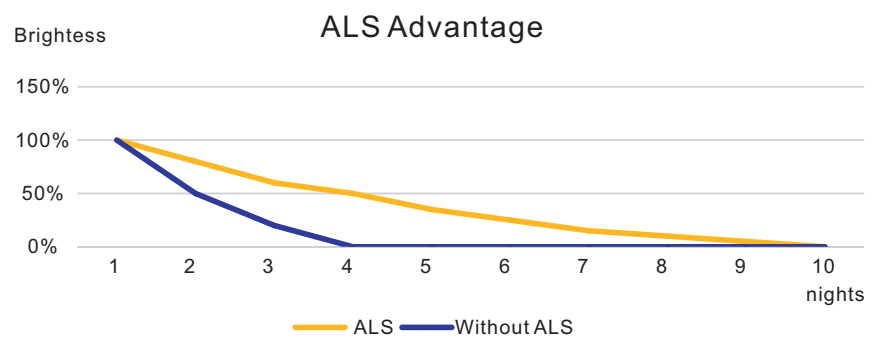
Luminance Distribution



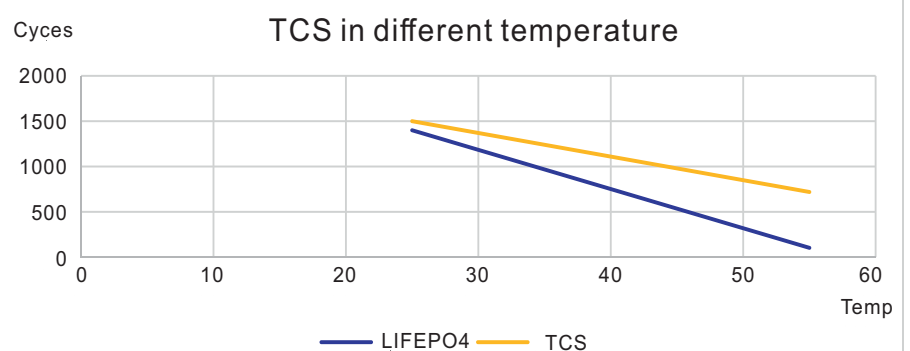
Core Technology



Advantage of ALS



Advantage of TCS



Project Name: _____ Catalog Number: _____

Notes: _____ Fixture schedule: _____

Outdoor Bug Eye Dual Head Emergency Light



90 Mins Battery Back-Up

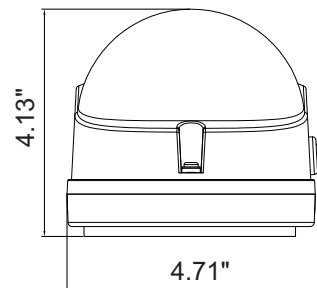
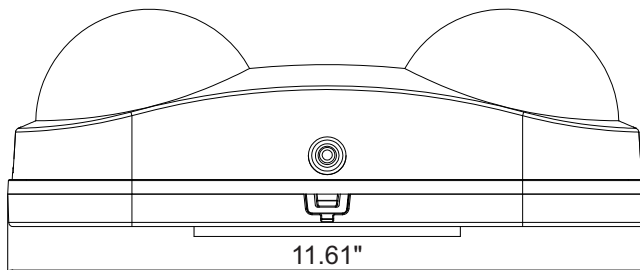
Product Description:

This LED Emergency Light is safe for outdoor use. It has a plastic cover that protects it from rain and snow. These lights are widely used outside of offices, hotels, and other businesses. It is suitable for 32°F-104°F harsh environments

Features

- Injection-molded thermoplastic ABS housing
- 5VA flame rating.
- innovative, easy installation in minutes.
- Suitable for wall mount applications.
- Wet location listed
- 2*1.2W led lamp heads.6500K
- Universal J-box mounting pattern.
- 120/277VAC dual voltage operation.
- Built-in 3.6V 700mAh rechargeable NiCd battery for minimum 90 minutes emergency operation.
- Maximum 24 hours for full recharge time.
- Test switch and charge indicator.

Dimensions



Test Button Installation

1. Loosen the screws on the housing

2. Remove the housing from the light base

3. Connect wires with external power supply

4. Connect the battery terminal



Specifications

| Product Number | Information | Certifications | Dimmable | Voltage | Working Hours |
|-----------------|---------------------------------------|------------------------------|----------|----------|--------------------------|
| E2-STEVO10-IP65 | 2x12pcs SMD 2835 LED lamp heads | UL Wet LOCATION LISTED | NO | 120-277V | EMERGENCY MODE-90min. |



700mAh Large CAPACITY
24hrs charging for at least 90mins emergency lighting



*must connect internal battery before fixture installation