ALLURE®
ARCHITECTURAL

Client:
Project:
Type:
Quantity:

# LUMINA SERIES | WET-RATED



## Product Features

The Lumina IP65 Wet-Rated linear luminaire is engineered for demanding environments, delivering flexible control, long-lasting performance, and high-quality illumination with wide, uniform coverage. Made with 3" aluminum housing, available in a 2, 4, and 8-FT increment with outdoor weather resistant Black or White finish options; high-transmission water tight polycarbonate lens; integral driver; wide 110° distribution; ≤5 SDCM color consistency >90CRI LED; field selectable CCT in 3000K / 3500K / 4000K; LED lifespan $L_{70}$ great than 100,000 hours; IP65 wet location listed; universal input 120-277VAC input voltage; 0-10V dimming with a 0-100% dimming range.

## Technical Specifications

| | |
|---|---|
| INPUT VOLTAGE | Universal Input 120-277 VAC |
| FREQUENCY | 50/60hz |
| COLOR TEMPERATURE | Field Selectable 3000K / 3500K / 4000K |
| COLOR RENDERING INDEX | >90 |
| DISTRIBUTION | Wide - 110° |
| IP RATING | IP65 Wet Rated |
| LIFE SPAN | $L_{70}$ >100,000 Hours |
| DIMMING | 0-10V Dimming, 0-100% Dimming Range |

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## LUMINA SERIES | WET-RATED

### SUBMITTAL WORKSHEET

| Order Code Example: | LMA-W | - L2 | - 9SC | - SM | - BK | - UD | - OPTIONS |
|---|---|---|---|---|---|---|---|
| | A | B | C | D | E | F | G |

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**A** | **SERIES**

| LMA-W | Lumina Wet-Rated Architectural Linear |
|---|---|

---

**B** | **SIZE & OUTPUT** (CHOOSE ONE)

| CODE | LENGTH | POWER & LUMEN FIELD SELECTABLE* | EFFICACY (AVG.) |
|---|---|---|---|
| L2 | 2FT | 15W / 20W / 25W | 112 lm/W \| 12.5 W/ft \| 1396 lm/ft |
| L4 | 4FT | 30W / 40W / 50W | 112 lm/W \| 12.5 W/ft \| 1396 lm/ft |
| L8 | 8FT | 60W / 80W / 100W | 112 lm/W \| 12.5 W/ft \| 1396 lm/ft |

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**C** | **CCT**

| 9SC | 90 CRI Field Selectable 3000K / 3500K / 4000K |
|---|---|

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**D** | **MOUNTING** (CHOOSE ONE)

| STM-2* | 2FT Stem Pendant Mount with |
|---|---|
| SM* | Surface Mount Kit |
| WM* | Wall Mount |

*see page 3 for detail

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**E** | **FINISH** (CHOOSE ONE)

| BK | Black |
|---|---|
| WH | White |

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**D** | **INPUT** (CHOOSE ONE)

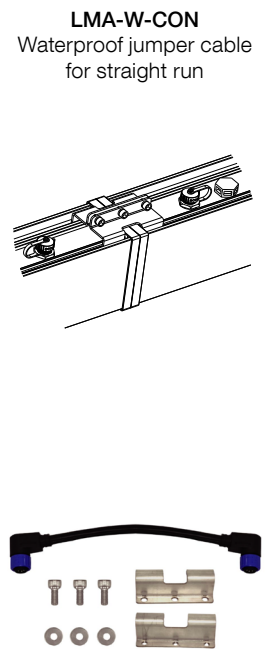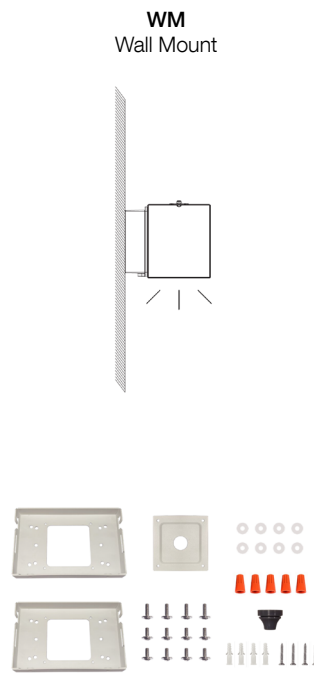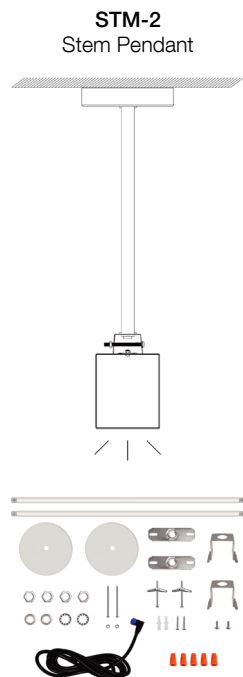| UD | 120-277VAC, 0-10V Dimming, 0-100% Dimming Range |
|---|---|

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**G** | **OPTIONS**

| BAA | Assembled in America, Compliant with BAA (COTS) |
|---|---|
| LMA-W-CON | Waterproof jumper cable and metal bracket for straight run connection |
| EMB-8W-B** | 90-Minute Self-Diagnostic Emergency Battery 8W 100-347VAC Input 170VDC Output |
| EMB-18W-B** | 90-Minute Self-Diagnostic Emergency Battery 18W 100-347VAC Input 170VDC Output |

*see page 4 for detail

**see page 6 for EMB spec

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Page 2 of 10

## MOUNTING KITS

**STM-2**
Stem Pendant

**SM**
Surface Mount

**WM**
Wall Mount

**LMA-W-CON**
Waterproof jumper cable
for straight run

## DIMENSIONS - FIXTURE

| Size | L | W | H |
|------|------|------|------|
| 2FT | 24" | | |
| 4FT | 47.83" | 3.15" | 3.70" |
| 8FT | 95.08" | | |

L

H

W

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Page 3 of 10

## OUTPUT



Waterproof Connector

Selectable Wattage
Lv1 / Lv2 / Lv3

Selectable CCT
4000K / 3500K / 300K
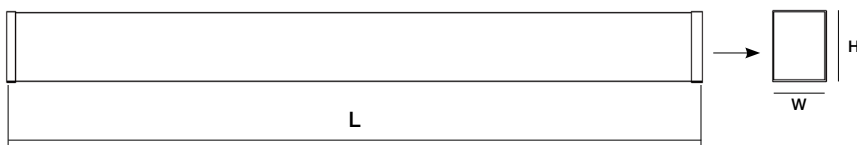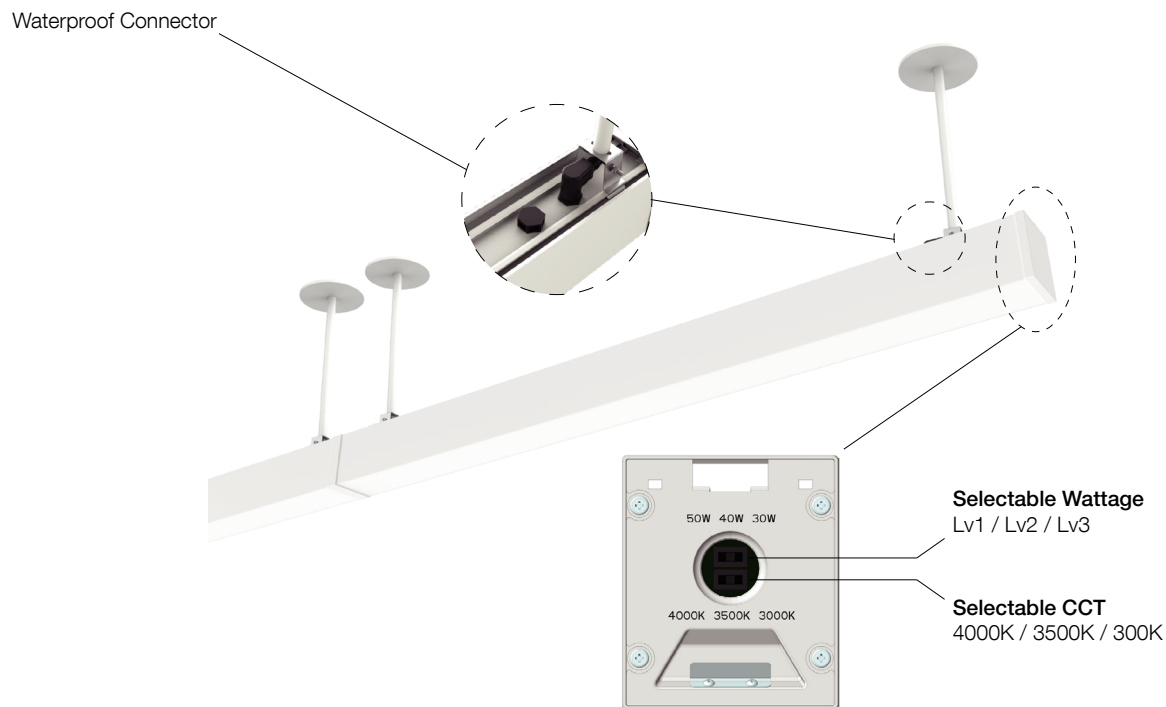
## ELECTRICAL DATA

| Number of Drivers | Size | Driver Current (mA) | Nominal Power (W) | Input Voltage (V) | CURRENT (AMPS) |
|---|---|---|---|---|---|
| 1 | 2FT | 525 | 25 | 120 | 0.21 |
| | | | 25 | 208 | 0.12 |
| | | | 25 | 240 | 0.10 |
| | | | 25 | 277 | 0.09 |
| 1 | 4FT | 1050 | 50 | 120 | 0.42 |
| | | | 50 | 208 | 0.24 |
| | | | 50 | 240 | 0.21 |
| | | | 50 | 277 | 0.18 |
| 1 | 8FT | 2100 | 100 | 120 | 0.83 |
| | | | 100 | 208 | 0.48 |
| | | | 100 | 240 | 0.42 |
| | | | 100 | 277 | 0.36 |

## PHOTOMETRIC

### IES: LMA-W-L2 @ 4000K 25W
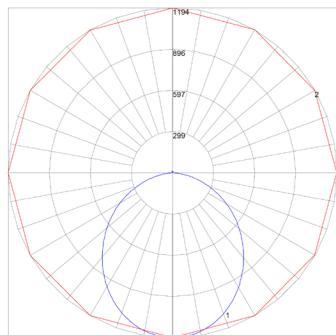


| Zone | Lumen | Luminaire% |
|------|-------|------------|
| 0-30 | 899 | 29.10 |
| 0-40 | 1446 | 46.90 |
| 0-60 | 2472 | 80.10 |
| 0-90 | 3056 | 99.00 |
| 0-180 | 3088 | 100 |

Lumen: 3088
Input Watts: 25 W
Efficacy: 123 LPW

### IES: LMA-W-L4 @ 4000K 50W
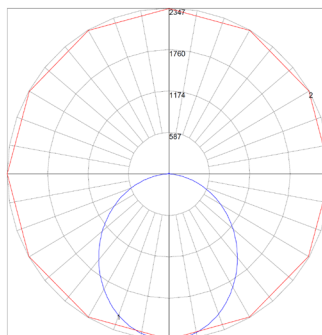


| Zone | Lumen | Luminaire% |
|------|-------|------------|
| 0-30 | 1775 | 28.60 |
| 0-40 | 2864 | 46.20 |
| 0-60 | 4936 | 79.60 |
| 0-90 | 6172 | 99.50 |
| 0-180 | 6204 | 100 |

Lumen: 6204
Input Watts: 50 W
Efficacy: 124 LPW

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Page 5 of 10

## EMB SPEC

| Model | Battery Capacity | Input | Output | Output Power | Operating Temp | Installation |
|---|---|---|---|---|---|---|
| EMB-8W-B | 90mins | 100-347VAC | 170VDC | 8W | 0°C ~ 50°C 32°F ~ 122°F | Field Install |
| EMB-18W-B | 90mins | 100-347VAC | 170VDC | 18W | 0°C ~ 50°C 32°F ~ 122°F | Field Install |

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Page 6 of 10

![ALLURE ARCHITECTURAL logo]
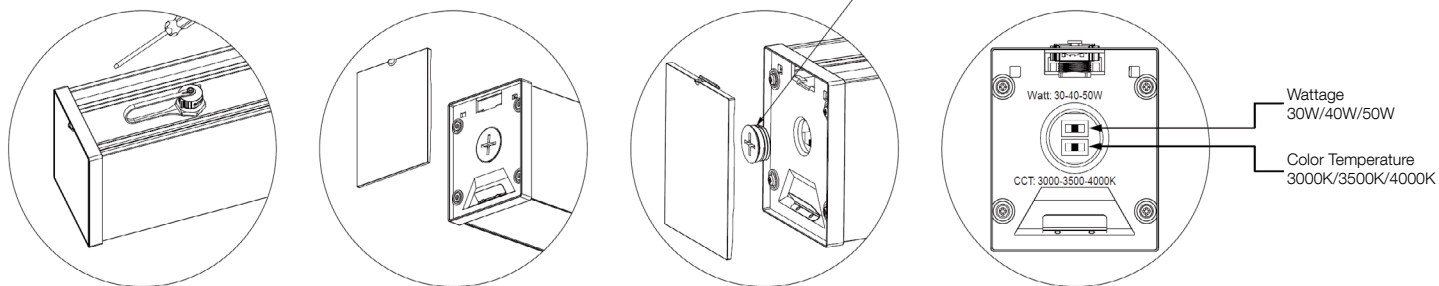
# LUMINA SERIES | WET-RATED
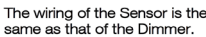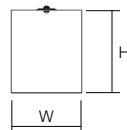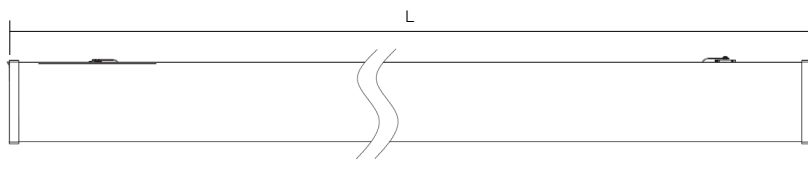
## INSTALLATION

### CCT and Wattage Adjustment

Adjust the color temperature and wattage to the desired setting before beginning installation.

Ensure the cover and silicon ring are well installed before adjust the DIP switch.

Watt: 30-40-50W

CCT: 3000-3500-4000K

Wattage
30W/40W/50W

Color Temperature
3000K/3500K/4000K

### Multiple Fixtures Installation

| Size | L | W | H |
|------|-------|-------|-------|
| 4FT | 47.83" | 3.15" | 3.70" |
| 8FT | 95.08" | | |

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|
| CM6x16 Screw x3 | Gasket x3 | Joiner Bracket A | Joiner Bracket B | Connector Cable |
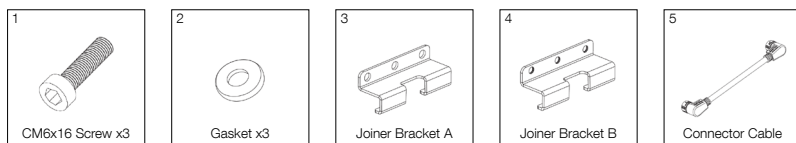
**Fixture Connection**

B-A          B-B          B-C          B-D
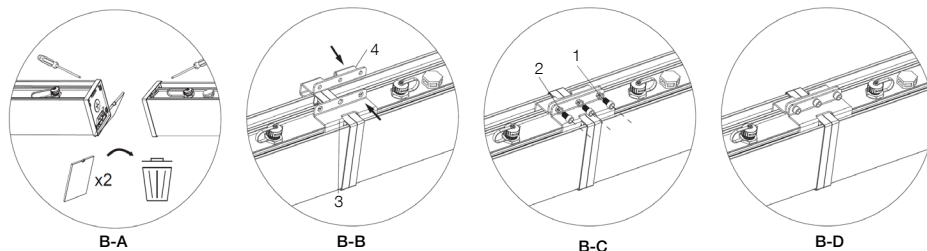
1. Remove the endcaps of the luminaires with a screwdriver. (B-A)
2. Push the joiner brackets straight into the luminaire body. (B-B)
3. Secure the two joiner brackets to each other with the gaskets and screws. (B-C)
4. See the installation completion diagram above. (B-D)

**Electrical Connection**

Female          Female          Male

Male

Female          Female

C-A
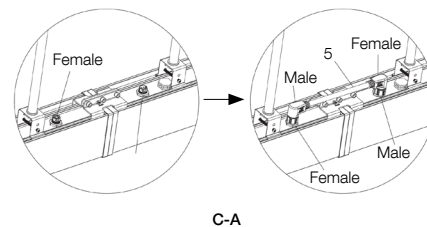
Connect the cable to the spliced fixture. Ensure proper connection of both ends as illustrated: male connector to female socket and female connector to male socket. (C-A)

## INSTALLATION

### STM - Stem Mount Installation



| Size | L | L1 | L2 |
|------|------|------|------|
| 4FT | 47.83" | 35"-40.98" | 2' |
| 8FT | 95.08" | 82.24"-88.23" | |

| | | | | | | |
|---|---|---|---|---|---|---|
| 1 Hanger Rod x2 | 2 Fixture Clip x2 | 3 Gasket x2 | 4 Nut x2 | 5 Connector Cable | 6 Power Feed Canopy | 7 Canopy |
| 8 J-Box Mounting Bracket x2 | 9 J-Box Mounting Screw 6-32 x2 | 10 Wire Nut x5 | 11 Expansion Sleeve x2 | 12 KA4x30 Screw x2 | 13 Toggle Bolt x2 | |

1. Feed the rod through the clip, then tighten them together preliminarily with the gasket and nut. (B-A)

2. Route the cable feeding an appropriate length through the center of the rod. (C-A)

**Power Side** **Non-Power Side**

**WIRING DIAGRAM**

| | | |
|---|---|---|
| LINE | ● | BLACK |
| NEUTRAL | ● | WHITE |
| GREEN | ● | GROUND |
| DIM (+) | ● | VIOLET |
| DIM (-) | ● | PINK |

**Wiring shall be completed by a certified electrician**
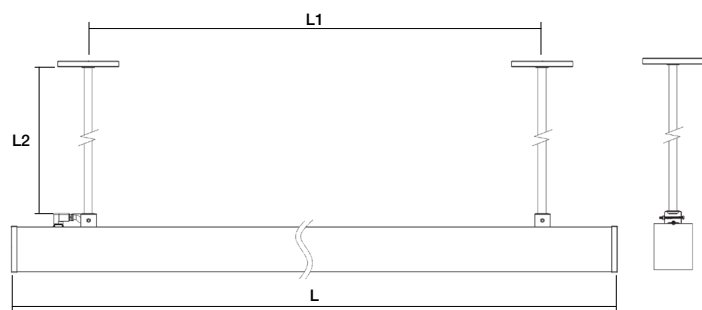
Thick Ceiling    Thin Ceiling

3. Secure the mounting brackets to the ceiling junction box using 6-32 screws, with one bracket at each end and their sides facing opposite directions.
4. Connect the luminaire wires according to the wiring diagram. (D-A)
5. Screw the hanger rods (with canopies sleeved over them) into the threads at the center of the mounting brackets. (D-B)
6. Apply waterproof sealant around the power feed canopy. (D-C)

7. Adjust the direction of the two clips to align them. (E-A)
8. Push the luminaire body into the clips. (E-B)
9. Adjust the nuts on the clips with a wrench to level both ends of the luminaire body. (E-C)
10. Secure the clips to the luminaire body with the threaded rods and nuts provided with the clips. (E-D)
11. Fully plug the female connector of the cable into the male socket on the luminaire body. (E-E)

## INSTALLATION

### SM - Surface Mount Installation
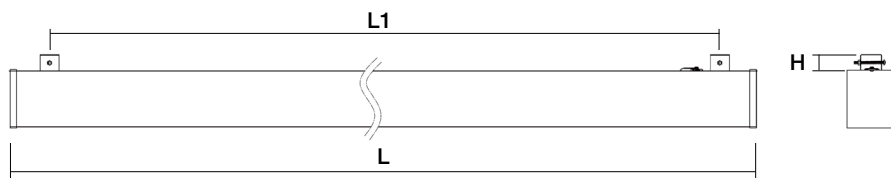


| Size | L | L1 | H |
|------|------|------------|-------|
| 4FT | 47.83" | 35"-40.98" | 1.13" |
| 8FT | 95.08" | 82.24"-88.23" | |

| 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| Ceiling Clip x2 | Expansion Sleeve x4 | KA4x30 Screw x4 | Connector Cable | Wire Nut x5 | Toggle Bolt x4 |



B-A

B-C

B-B

**\*\*Wiring shall be completed by a certified electrician\*\***

**WIRING DIAGRAM**

| LINE | ——●—— | BLACK |
|------|-------|-------|
| NEUTRAL | ——●—— | WHITE |
| GREEN | ◀——●——▶ | GROUND |
| DIM (+) | ——●—— | VIOLET |
| DIM (-) | ——●—— | PINK |
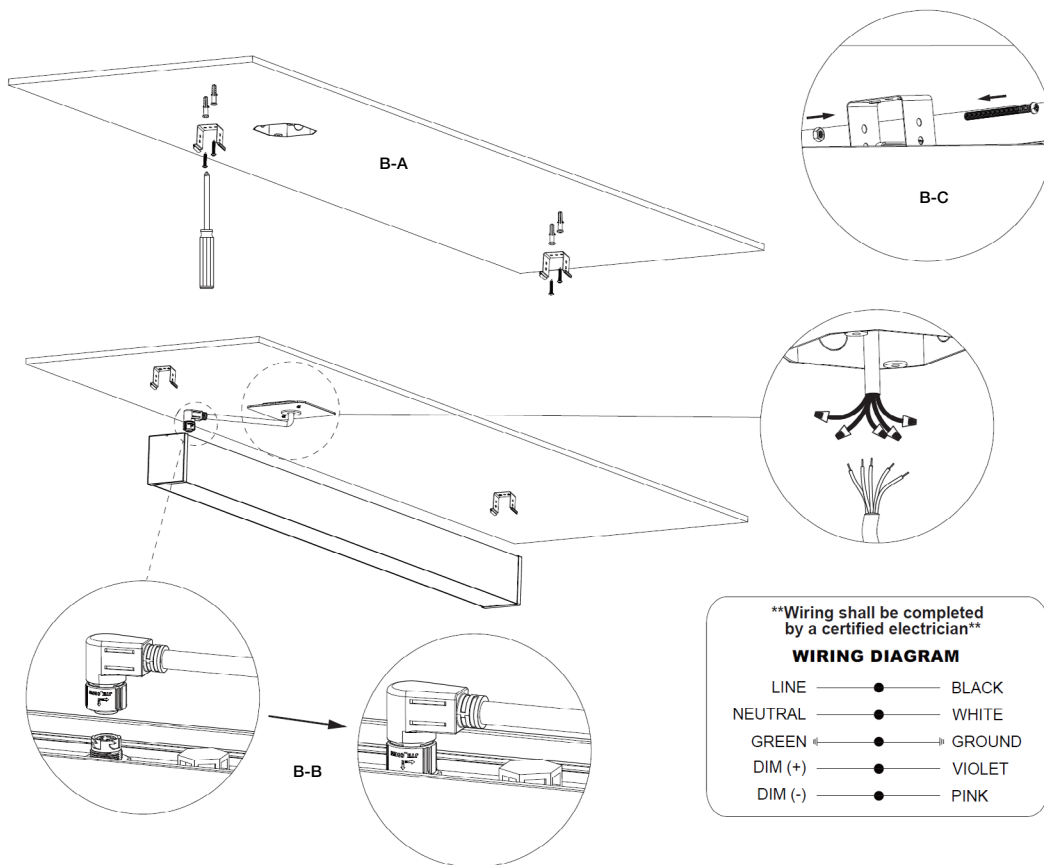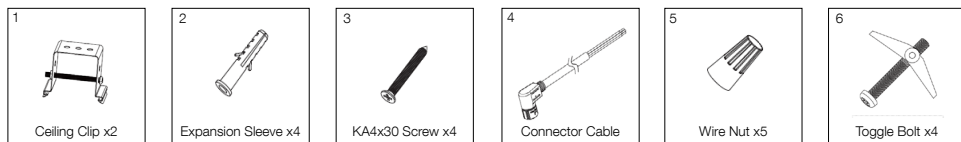
1. Secure the clips to the ceiling with the expansion anchors (for thick ceilings) or toggle bolts (for thin ceilings). (B-A)
2. After the wires are properly connected, snap the luminaire body into the clips. (B-B)
3. Secure the clips with the threaded rods and nuts to complete installation. (B-C)

## INSTALLATION

### WM - Wall Mount Installation



A flush-mount wet-location J-Box (supplied by others) is required.
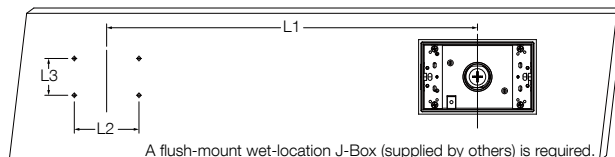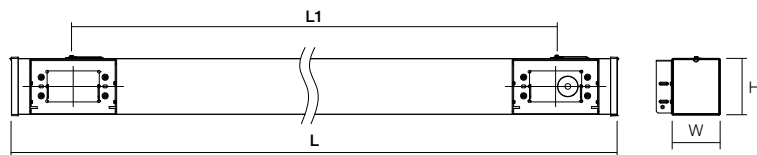
| Size | L | L1 | L2 | L3 | W | H |
|------|-------|--------|-------|-------|-------|-------|
| 4FT | 47.83" | 40" | 3.29" | 1.87" | 3.15" | 3.72" |
| 8FT | 95.08" | 87.24" | | | | |



Row-End  Structure Mount
Row-Mid  Structure Mount
Row-Start/Individual  Structure Mount
Power  J-Box Mount

| | | | | | | |
|---|---|---|---|---|---|---|
| 1 Wall Mounting Bracket B x2 | 2 Wall Mounting Bracket C | 3 Silicone Plug x2 | 4 6-32 Screw x4 | 5 Expansion Sleeve x4 | 6 KA4x30 Screw x4 | 7 Wire Nut x5 |
| 8 PWM3x6 Screw x4 | 9 PMW4x8 Screw x4 | 10 Power Cord | 11 PMW4x6 Screw x8 | 12 Wall Mounting Bracket A | 13 2P Terminal Block | 14 3P Terminal Block |



B-A

1. Mount bracket B on the power side at the appropriate location using 6-32 screws fitted with silicone O-rings.
2. Mount the second bracket B on the non-power side with the expansion anchors. (B-A)

C-A

3. Apply waterproof sealant around bracket B on the power side. (C-A)

D-A  D-B  D-C  D-D

**Wiring shall be completed by a certified electrician**

**WIRING DIAGRAM**

| | |
|---|---|
| LINE | BLACK |
| NEUTRAL | WHITE |
| GREEN | GROUND |
| DIM (+) | VIOLET |
| DIM (-) | PINK |

4. Place the luminaire body into mounting brackets B. (D-A)
Then, rotate and fasten it onto the wall. (D-B)
5. Insert the silicone plug into the hole on bracket C.Then, feed the power cord through the plug.
(To ease threading, wrap the power cord end with tape.) (D-C)
6. Connect the wires according to the wiring diagram. (D-D)

E-A  E-B  E-C

7. Secure mounting brackets C to B using PWM3x6 screws fitted with O-rings. (E-A)
8. Push the luminaire body upward (E-B), then secure the wall brackets with PWM4x8 screws. (E-C)
9. The installation completion diagram is as follows. (F-A)