The Selectable Sensor Based Troffer comes in 2ftx2ft, 2ftx4ft and 1ftx4ft configurations. Sensor receptacle is pre-installed on the fixture for easy plug and play installation of a wireless occupancy sensor. Ideal for standard T-bar and narrow grid drop ceiling to replace fluorescent troffers in offices, supermarkets, schools and other indoor applications.

## TECHNICAL DATA

**Wattage**

| | |
|---|---|
| 2ftx2ft | Selectable 14W/17W/20W/28W |
| 1ftx4ft | Selectable 14W/17W/20W/28W |
| 2ftx4ft | Selectable 20W/28W/34W/41W |
| **CCT** | Selectable 3000K/3500K/4000K /5000K/6500K |
| **Driver** | 0-10V Dimming[1] |
| **CRI** | 80 |
| **Input Voltage** | 120-277V, 50/60Hz |
| **Projected Lifetime** | L70-100,000 Hours |
| **Operating Temp.** | -4°F to 104°F (-20°C to 40°C) |
| **Certifications** | cUL Listed |
| | RoHS compliant |
| | Suitable for damp locations |
| **Power Factor** | >0.98 at 120V |
| **Harmonic Distortion** | <20% at 120V |

Note:
1. Dimming wire is connected to sensor receptacle. Please ask an electrician to disconnect the dimming wires if they need to be used for other purposes.
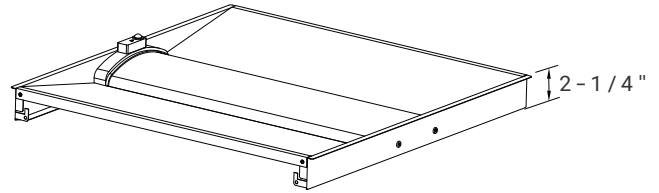
## FEATURES

- Color temperature selectable.
- Wattage selectable.
- Occupancy sensor ready.
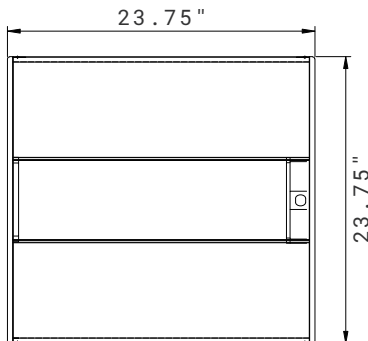- Emergency battery back-up optional.

## DIMENSION

**2'x4'**

47.8"

23.75"
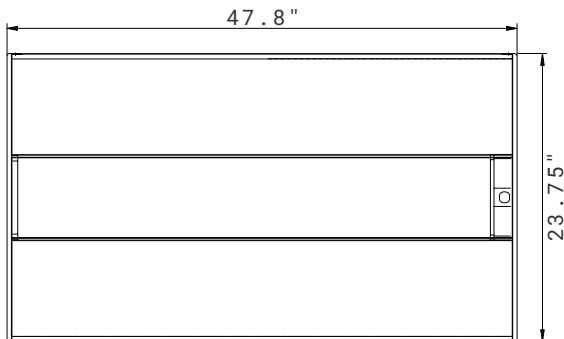
**Height for 2'x4'/2'x2'/1'x4'**

2-1/4"

**2'x2'**

23.75"

23.75"

**1'x4'**

47.8"

11.75"
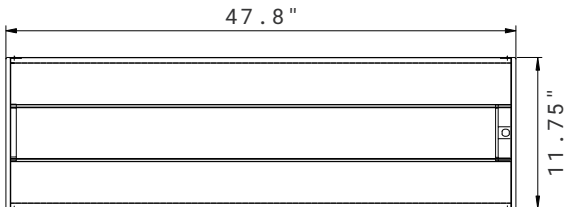
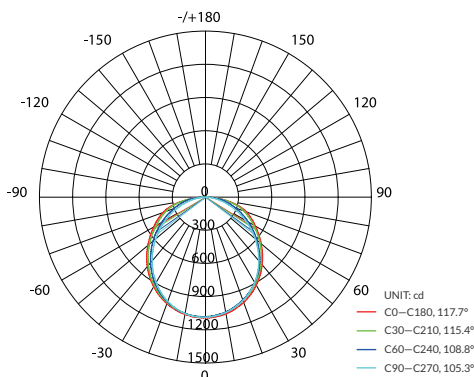## PHOTOMETRY

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP certified laboratory. IESNA LM-79-08 specifies the entire luminaire as the source resulting in a fixture efficiency of 100%. Results may vary per actual order.

UNIT: cd

— C0—C180, 117.7°
— C30—C210, 115.4°
— C60—C240, 108.8°
— C90—C270, 105.3°

AVERAGE BEAM ANGLE(50%): 111.8 DEG

## ORDERING INFORMATION

EXAMPLE: TRSB-24D-SP1-SW1

| TRSB | | | | | | | |
|------|------|------|------|------|------|------|------|
| Series | Size | Dimmable | Wattage | CCT | Voltage | Control | Finish |
| TRSB | **22**<br>2'x2' | **D**<br>0-10V Dimming Driver | **SP1**<br>Selectable 14W/17W/20W/ 28W[1] | **SW**<br>Selectable 3000K 3500K 4000K[3] 5000K 6500K | **1**<br>120-277V | **BLANK**<br>With Sensor Receptacle<br><br>**EBU**<br>Emergency Battery Back-up[4] | **BLANK**<br>White[5] |
| | **14**<br>1'x4' | **D**<br>0-10V Dimming Driver | **SP1**<br>Selectable 14W/17W/20W/ 28W[1] | | | | |
| | **24**<br>2'x4' | **D**<br>0-10V Dimming Driver | **SP1**<br>Selectable 20W/28W/34W/ 41W[2] | | | | |

**NOTE:**

1. 28W is default setting. Other wattages can be set in the field.
2. 41W is default setting. Other wattages can be set in the field.
3. 4000K is default setting. CCT can be adjusted in the field.
4. Emergency battery back-up is available in 8W with 1100lm and works for a minimum of ninety (90) minutes. Emergency battery back-up is installed at the back of the housing. For ambient temperatures of 32˚F - 95˚F (0 ˚C -35˚C).
5. White finish is standard. Custom finish colors are available at an additional charge. Please contact Customer Service for premium options.

## ACCESSORIES (ORDERED SEPARATELY)



**BMS-L108-PIR-DC-BLE-KL-AUX-D1**

Bluetooth Economical PIR Motion Sensor.



**BMS-S1P-PIR-DC1-PPM**

Standalone PIR Motion Sensor.



**AAL-RC-100**

Remote control for the Standalone PIR Sensor only.

## ACCESSORIES (ORDERED SEPARATELY)



2'x2' Surface Mount Kits.



2'x4' Surface Mount Kits.



1'x4' Surface Mount Kits.

**NOTE:**

1. Factory default setting for Standby PIR sensor: 100% sensitivity, Time out period: 5min, Daylight sensor is disable, Unoccupied dimming level is 30%, Dimming time before off: 60 minutes. PIR sensor is for mounting height of 12ft (4m) max. Other settings can be set by the remote control AAL-RC-100.
2. BlueMesh NLC APP. Refer to last page.

## PERFORMANCE DATA

Lumen values are measured by third party certified laboratories performed in accordance with IESNA LM-79-08 as well as Lighting Facts listed.

**Lumen Output**

| Wattage | Lumen Output | Size | CRI | CCT | LPW |
|---------|--------------|------|-----|-----|-----|
| 14W | 1896lm | 1'x4' | >80 | 4000K | 135 |
| 17W | 2363lm | 1'x4' | >80 | 4000K | 144 |
| 20W | 2752lm | 1'x4' | >80 | 4000K | 142 |
| 28W | 3702lm | 1'x4' | >80 | 4000K | 137 |
| 14W | 1979lm | 2'x2' | >80 | 4000K | 141 |
| 17W | 2452lm | 2'x2' | >80 | 4000K | 144 |
| 20W | 2844lm | 2'x2' | >80 | 4000K | 142 |
| 28W | 3845lm | 2'x2' | >80 | 4000K | 137 |
| 20W | 3390lm | 2'x4' | >80 | 4000K | 169 |
| 28W | 4629lm | 2'x4' | >80 | 4000K | 165 |
| 34W | 5375lm | 2'x4' | >80 | 4000K | 158 |
| 41W | 6442lm | 2'x4' | >80 | 4000K | 157 |

## BLUETOOTH PIR MOTION SENSOR

| Model No. | Description |
|---|---|
| BMS-L108-PIR-DC-BLE-KL-AUX-D1 | Wireless Bluetooth PIR occupancy sensor with daylight harvesting capability. |

### Bluetooth Mesh Control
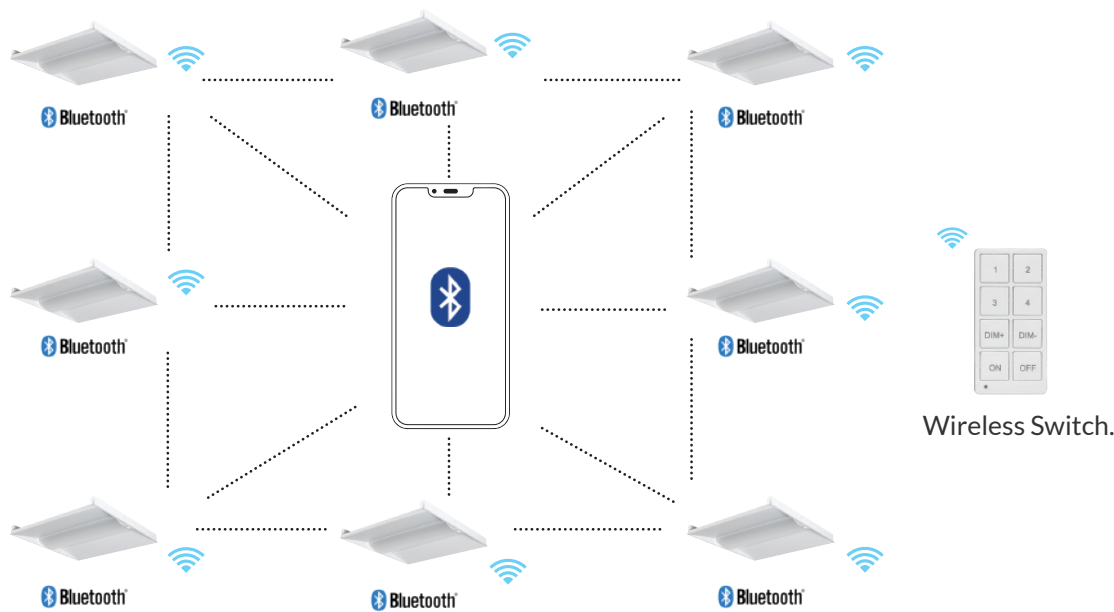


Wireless Switch.

**NOTE:**

1. Central gateway is not required for lighting control operation with occupancy sensor BMS-L108-PIR-DC-BLE-KL-AUX-D1.

**Simply plug in sensor into the pre-installed receptacle**

5

# BLUETOOTH PIR MOTION SENSOR

## Wireless Switch Options



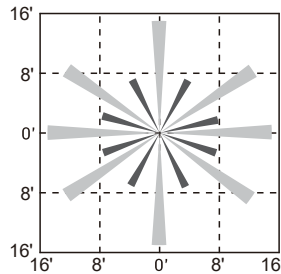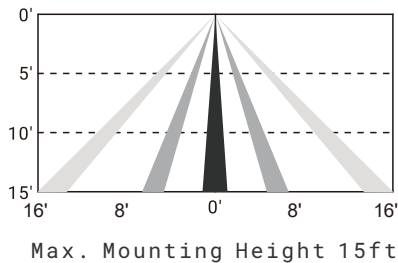**BMWS-L-D-1-3BT-BLE-KL-WH**



**BMWS-L-D-5BT-BLE-KL-WH**



**BMWS-L-D-1-7BT-BLE-KL-WH**



**BMWS-L-D-8BT-BLE-KL-WH**



## Detection Area



Max. Mounting Height 15ft

# WARRANTY

5 year limited warranty.

Specifications subject to change without notice.