

# SELECTABLE LED TROFFER

## Sensor Based



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<br>/5000K/6500K |
|-----|----------------------------------------------|

|        |                                        |
|--------|----------------------------------------|
| Driver | 0-10V Dimming (dim to 1%) <sup>1</sup> |
|--------|----------------------------------------|

|     |    |
|-----|----|
| 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:

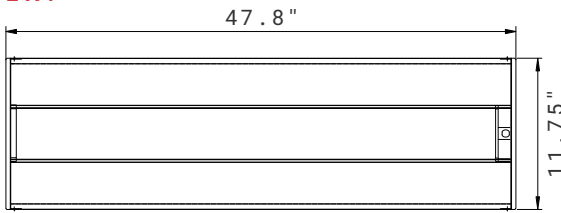
1. Dimming wire is connected to sensor receptacle. Please ask an electrician to disconnect the dimming wires if they need to be used for other purposes.

## FEATURES

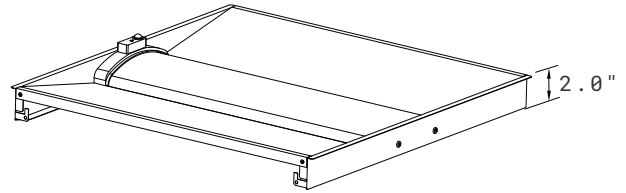
- Color temperature selectable.
- Wattage selectable.
- Occupancy sensor ready.
- Emergency battery back-up optional.

## DIMENSION

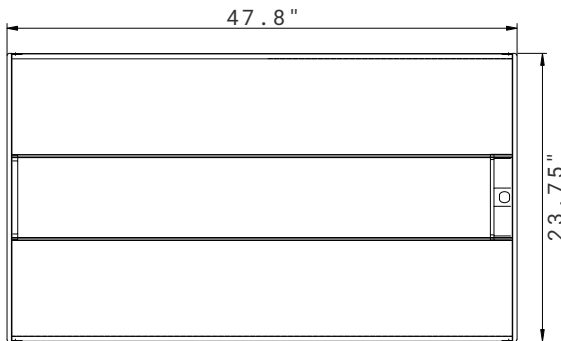
**1'x4'**



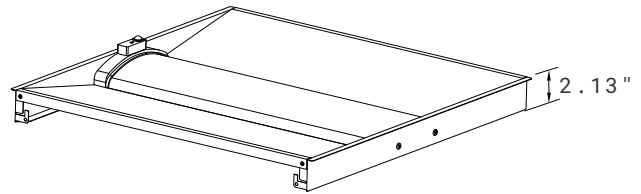
**Height for 1'x4'**



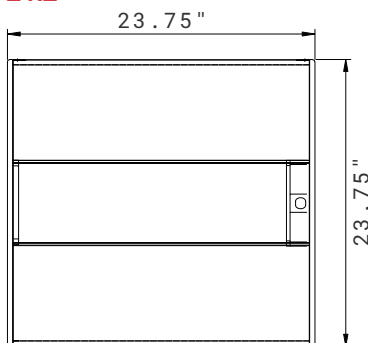
**2'x4'**



**Height for 2'x4'/2'x2'**

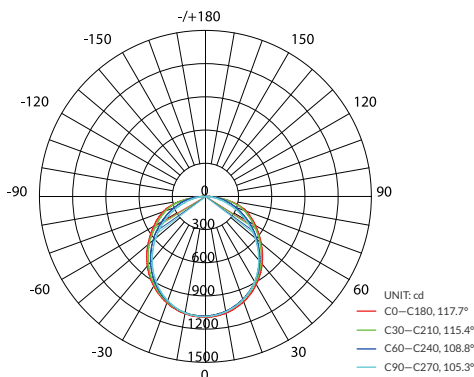


**2'x2'**



## 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.



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' | <b>D</b><br>0-10V<br>Dimming<br>Driver<br>(dim to 1%) | <b>SP1</b><br>Selectable<br>14W/17W/20W/<br>28W <sup>1</sup> | <b>SW</b><br>Selectable<br>3000K<br>3500K<br>4000K <sup>3</sup><br>5000K<br>6500K | <b>1</b><br>120-277V | <b>BLANK</b><br>With Sensor<br>Receptacle<br><br><b>EBU</b><br>Emergency<br>Battery<br>Back-up <sup>4</sup> | <b>BLANK</b><br>White <sup>5</sup> |
|        | 14<br>1'x4' | <b>D</b><br>0-10V<br>Dimming<br>Driver<br>(dim to 1%) | <b>SP1</b><br>Selectable<br>14W/17W/20W/<br>28W <sup>1</sup> |                                                                                   |                      |                                                                                                             |                                    |
|        | 24<br>2'x4' | <b>D</b><br>0-10V<br>Dimming<br>Driver<br>(dim to 1%) | <b>SP1</b><br>Selectable<br>20W/28W/34W/<br>41W <sup>2</sup> |                                                                                   |                      |                                                                                                             |                                    |

### NOTE:

- 28W is default setting. Other wattages can be set in the field.
- 41W is default setting. Other wattages can be set in the field.
- 4000K is default setting. CCT can be adjusted in the field.
- 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).
- 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)



**TRSB-22D-SMK**

2'x2' Surface Mount Kits.



**TRSB-24D-SMK**

2'x4' Surface Mount Kits.



**TRSB-14D-SMK**

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.

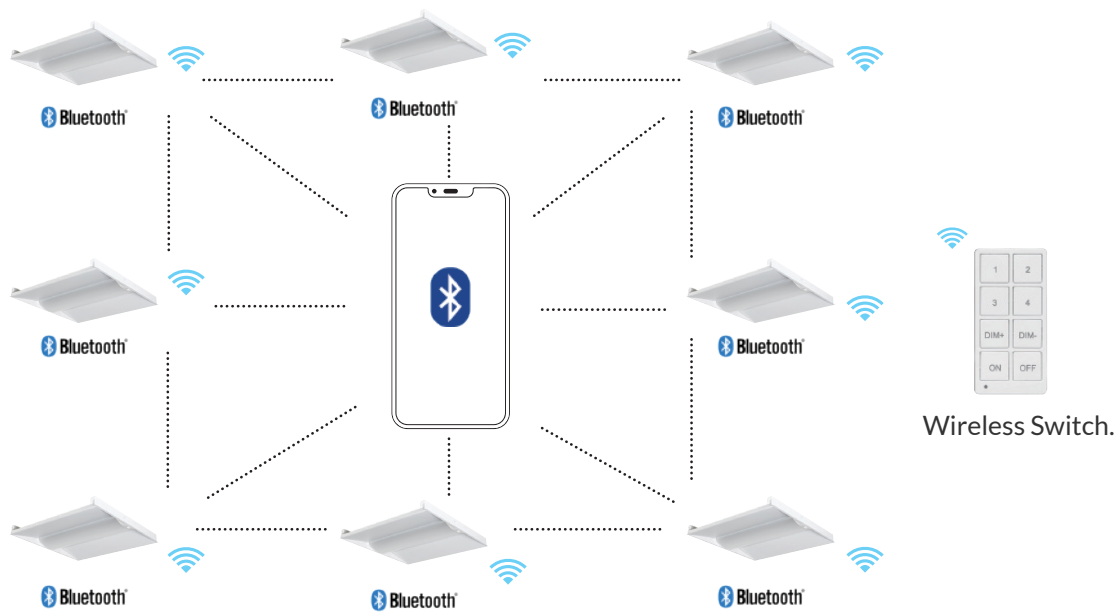
### Lumen Output

| 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



**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



## BLUETOOTH PIR MOTION SENSOR

### Wireless Switch Options



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



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



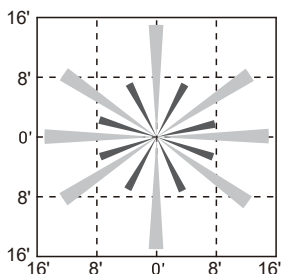
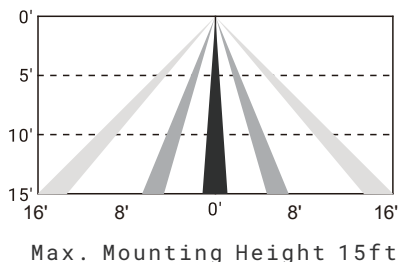
**BMWWS-L-D-1-7BT-BLE-KL**  
-WH



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



### Detection Area



## WARRANTY

5 year limited warranty.

Specifications subject to change without notice.