# SELECTABLE ECO VISION LED STRIP

## Wide Size Ideal To Replace The 2 Lamp T8

ABOVE ALL
www.AboveAllLighting.com

Above All Lighting's Vision LED Strip Light has a sleek design with a diffuser lens. Wide size is ideal to replace the 2-lamp T8. Standard lengths come in 4ft and 8ft. Wide lumen range from 4,000lm to 11,000lm with high efficiency up to 143LPW. CCT and wattage selectable. Built-in sensor is available. Optional accessories include reflector, wire guard, V-hook and quick surface mount kits. It can be widely used in stairwells, warehouses, offices, garages, shop displays , and other commercial applications.

## TECHNICAL DATA

| | |
|---|---|
| **Length** | 4ft, 8ft |
| **Wattage** | Selectable Power 32W/37W/47W |
| | Selectable Power 55W/63W/80W |
| **CRI** | 80 |
| **CCT** | Selectable 3000K/3500K/4000K |
| **Driver** | 0-10V Dimming, Class 2 driver |
| **Input Voltage** | 120-347V, 50/60Hz |
| **Operating Temp.** | -4°F to 104°F (-20°C to 40°C ) |
| **Certifications** | cETLus conforms to UL Std. 1598 |
| | Cert. to CSA Std. C22.2 No.250.0 |
| | Suitable for damp locations |
| | RoHs compliant |
| **Power Factor** | >0.9 at full load |
| **Harmonic Distortion** | <20% at full load |
| **Projected Lifetime** | L70 - 156,000 Hours |
| **IK Rating** | IK10 rated |

## FEATURES

- 3000K, 3500K and 4000K selectable.
- Wattage selectable.
- 8% up-light and no glare.
- Quick and Easy to wire and install.
- Built-in sensor.
- Ceiling & wall surface mounted, suspension mounted.


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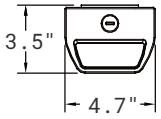
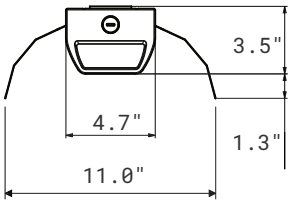
## SPECIFICATION

### Side View

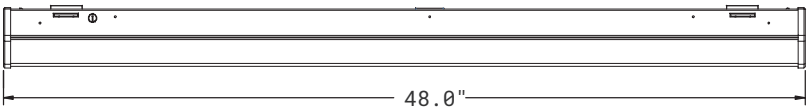



### With Two Reflectors



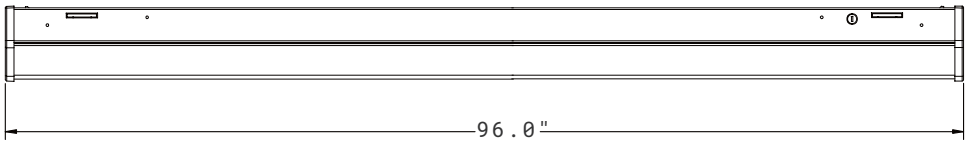

**4ft**

Net. Weight: 7.5 lbs



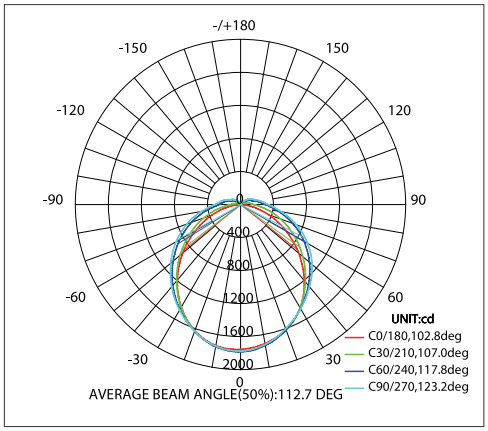

**8ft**

Net. Weight:13.5 lbs




## 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.



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## ORDERING INFORMATION

EXAMPLE: STR12DSP1LEDSW8F-SE

| STR | | | | | |
|---|---|---|---|---|---|
| **1. Series** | **2. Dimension** | **3. Dimmable** | **4. Wattage** | **5. LED** | **6. CCT** |
| **STR** | **12**<br>4ft | **D**<br>0-10V Dimmable | **SP1**<br>Selectable Power<br>32W/37W/47W[1] | **LED** | **SW**<br>Selectable CCT<br>3000K<br>3500K<br>4000K[2] |
| | **24**<br>8ft | **D**<br>0-10V Dimmable | **SP2**<br>Selectable Power<br>55W/63W/80W[1] | | |
| | **7. Voltage** | **8. Lens** | **9. Control** | **10. Series** | |
| | **8**<br>120-347V | **F**<br>Frosted lens[3] | **BLANK**<br>None<br>**MSW**<br>Microwave<br>Motion Sensor[4] | **SE**<br>ECO | |

**NOTE:**

1. 32W for 4ft and 63W for 8ft are default setting, If other wattage needed please change the setting in the field.
2. 4000K is default setting. If other CCT needed please change the setting in the field.
3. Frosted lens is standard. Please contact Customer Service for the lead time of clear lens.
4. Microwave dimming sensor for mounting height 20ft max. Dimming default setting is Bi-Level dim, 50% on vacancy and 100% on Occupancy. Daylight sensor default setting is disabled . If other settings needed such as 20% or 30% dimming, ON/OFF function, and daylight sensor function, please consult with customer service in advance.
5. Surface mount is standard. If quick surface mount or V-hook mount is needed, please order the mounting brackets separately. Please check the accessory table for details.
6. MSW can read vibration as movement and trigger the sensor despite no physical movement in the sensor field. As such, MSW should not be installed in rooms that experience significant levels of vibration.
7. Standard Finish is White. Custom colors might be available for an additional fee. Please check with Customer Service for more information.


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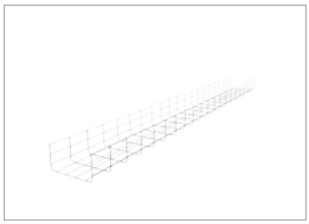
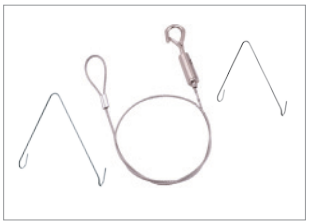
## ACCESSORIES (ORDERED SEPARATELY)



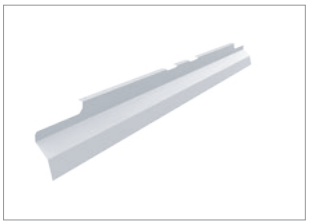
**90238**
STRP12-WG[1]
Wire guard for 4ft and 8ft strip.

**90264**
STRP-QSMK[3]
Quick surface mount kit for ceiling and wall mount (a pair).



**90243**
STRP-VH
V-hooks for strip.

STR-PMK
Pendant Mount Kits for strip (a pair).



**90242**
STRP12-RF[2]
Reflector 4ft and 8ft strip.

**BMS-L104-B1-PIR-1-BLE-KL-SMO**
Passive Infrared (PIR) Bluetooth Sensor.

**90576**
MH10
Remote control for MSW.

**NOTE:**

1. If for 8ft please order two pieces.
2. If this reflector will be installed at one side, then one piece for 4ft and two pieces for 8ft. If this reflector will be installed at both two sides, then two pieces for 4ft and four pieces for 8ft.
3. Soft chain mount with V-hooks is the best choice if fixture is with MSW and needed to be installed on a ceiling of long time vibration.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## 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.

| Wattage | Lumen Output | Size | CRI | AC Input 120V | CCT | LPW |
|---|---|---|---|---|---|---|
| 32W | 4580lm | 4ft | 80 | 0.27A | 3500K/4000K | 143 |
| 37W | 5180lm | 4ft | 80 | 0.30A | 3500K/4000K | 140 |
| 47W | 6350lm | 4ft | 80 | 0.39A | 3500K/4000K | 135 |
| 55W | 7860lm | 8ft | 80 | 0.46A | 3500K/4000K | 143 |
| 63W | 8820lm | 8ft | 80 | 0.52A | 3500K/4000K | 140 |
| 80W | 10800lm | 8ft | 80 | 0.67A | 3500K/4000K | 135 |

**NOTE:**

1. For 3000K fixtures, use 0.96 multiplier.

## Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the LED strip in a 77°F ambient, (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

| | | | | |
|---|---|---|---|---|
| **Operating Hours** | 10,000 | 19,000 | 38,000 | 156,000 |
| **Lumen Maintenance Factor** | 0.98(L98) | 0.96(L96) | 0.92(L92) | 0.70(L70) |

## Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperature from -4°F to 104°F (-20°C to 40°C).

| Ambient | | |
|---|---|---|
| **Celsius** | **Fahrenheit** | **Multiplier** |
| 0 | 32 | 1.06 |
| 10 | 50 | 1.03 |
| 20 | 68 | 1.01 |
| 25 | 77 | 1.00 |
| 30 | 86 | 0.99 |
| 40 | 104 | 0.97 |


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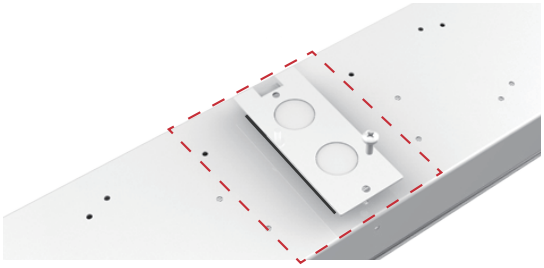
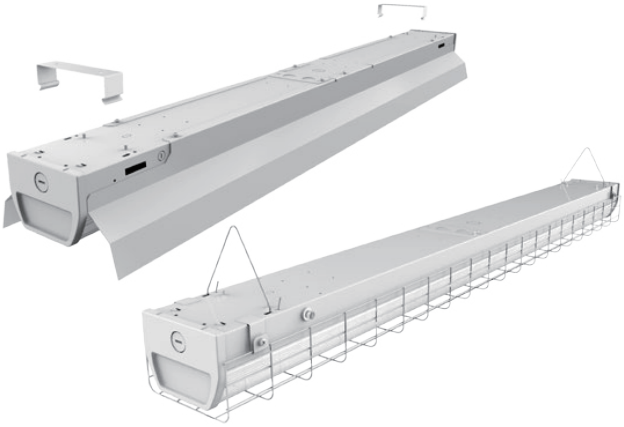


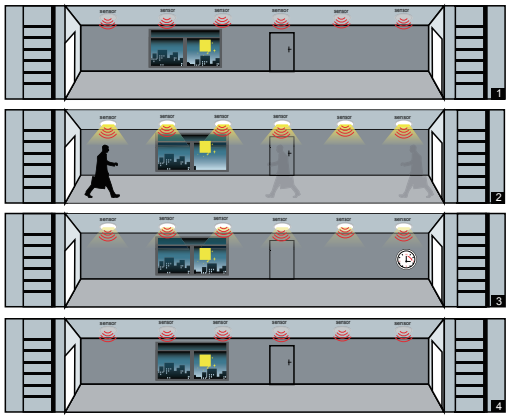


Easy to wire. End and back side wire entries available, meet different junction box locations.

Easy to install. Quick ceiling & wall surface mount and V-hook mount optional, no need to open the housing.

## MICROWAVE DIMMING SENSOR

The sensor is an innovative motion sensor, switch on the light on detection of movement, and switch off after a hold time when there is no motion detected.



1. No motion detected, all lamps switch off.
2. Any movement is detected from any direction, all lamps sync hronously switch on.
3. No motion is detected in detection area, all lamps synchronously dim to a low light level after hold time.
4. After stand-by period, the lamps switch off if no movement is detected in the detection zone.

## MICROWAVE DIMMING SENSOR SETTING (120-347V)

Sensor data can be precisely set for each specific application by a remote controller which need to be bought separately.

### Detection area

Detection area can be reduced by selecting the combination on the remote controller to fit precisely each application.
Optional Setting: 100%/75%/50%/25%.

Default Setting: 100%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**Hold time**

Refers to the time period the lamp remains at 100% illumination after no motion detected.
Optional Setting: 5s/30s/1min/3min/5min/10min/20min/30min.

Default Setting: 20mins

**Stand-by period**

Refers to the time period the lamp remains at a low light level before it completely switches off in the long absence of people. When set to "+∞"mode, the low light is maintained until motion is detected.
Optional Setting: 0s/10s/1min/3min/5min/10min/30min/+∞.

Default Setting: +∞

Notes: If just need ON/OFF function, please set the stand-by period in "0S" mode by the remote controller.

**Daylight sensor**

The sensor can be set to only allow the lamp to illuminate below a defined ambient brightness threshold. When set to Disable mode, the daylight sensor will switch on the lamp when motion is detected regardless of ambient light level. 50lux, 30lux: twilight operation, 10lux, 5lux: darkness operation only. Note that daylight sensor is active only when lamp totally switches off.
Optional Setting: 5lux/15lux/30lux/50lux/100lux/150lux/Disable.

Default Setting: Disable

**Stand-by dimming level**

The low light level you would like to have after the hold time in the long absence of people.
Optional Setting: 10%/20%/30%/50%.

Default Setting: 50%

## BLUETOOTH PIR MOTION SENSOR

| Model No. | Description |
|---|---|
| BMS-L104-B1-PIR-1-BLE-KL-SMO | Passive Infrared (PIR) Bluetooth Sensor |
| LS03-HB1-2-WH | HB1 High Bay Lens |
| LS03-HB3-2-WH | HB3 High Bay Lens |


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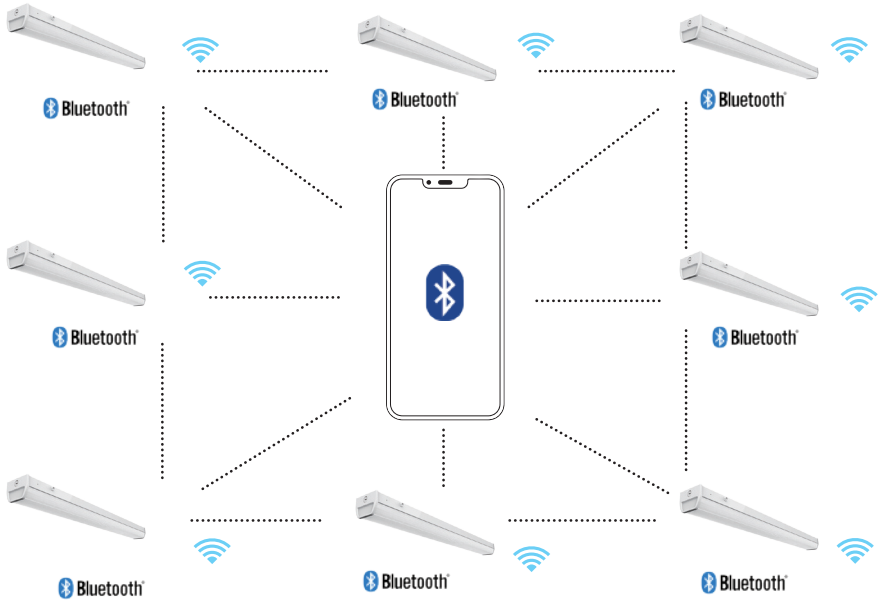
## BLUETOOTH MESH CONTROL



Wireless Switch

## WIRELESS SWITCH OPTIONS

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

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

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

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

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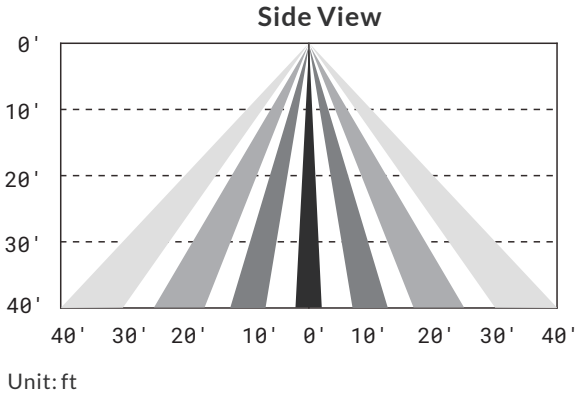
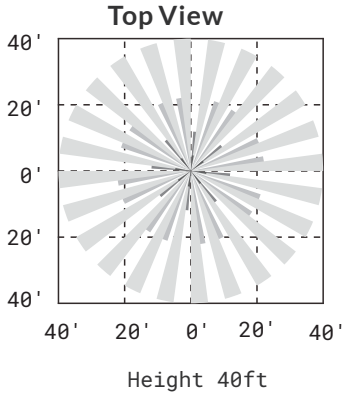
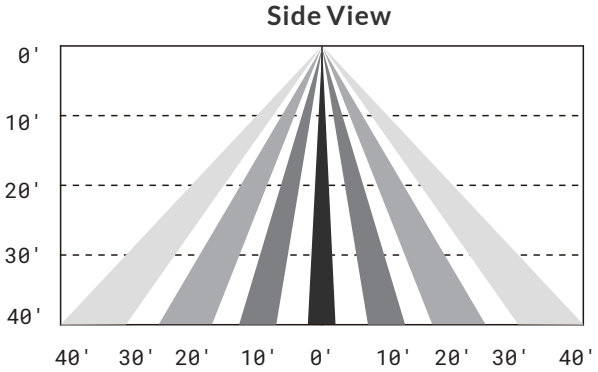
## DETECTION AREA

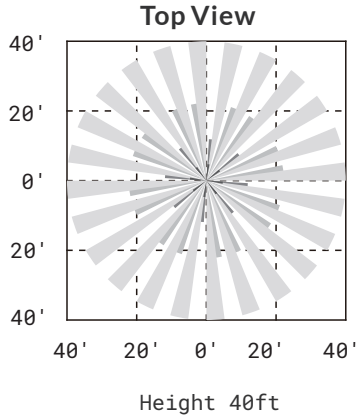
### HB1 High Bay Lens



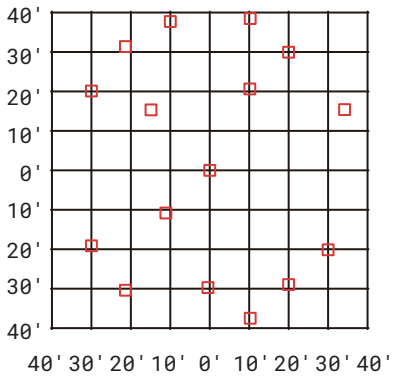




### HB3 High Bay Lens

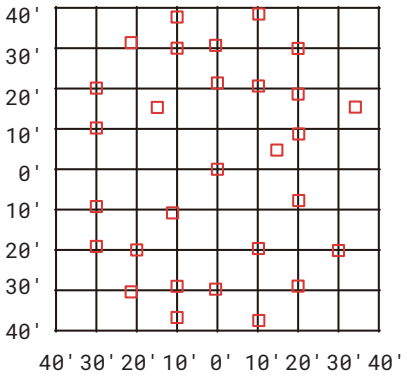



## DETECTING SPOTS FOR REF




HB1 Lens




HB3 Lens(more detected points)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## WARRANTY

5 years limited warranty.
Specifications subject to change without notice

**Note:**
Please refers to the instruction manual for motion sensor default setting.


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