



## VISION LED STRIP LIGHT

**Wide** size ideal to replace the two-lamp fluorescent strip



## PRODUCT DESCRIPTION

Above All Lighting's Vision LED strip light has a sleek design with a diffuser lens. Optical accessories include EBU and motion sensor. It can be used in stairwells, warehouses, offices, garages, shop displays, and other commercial applications

## FEATURE

- 8% up-light and no glare
- Quick and Easy to wire and install
- Seamless connection
- Built-in sensor
- EBU backup available
- Ceiling & wall surface mounted, suspension mounted

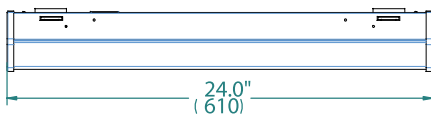
## ELECTRICAL SYSTEM

- Input Voltage: 120-277V, 120-347V 50/60Hz
- Class 2 driver
- Minimum Ambient -20°C, Maximum Ambient is 40°C
- Power Factor: > 0.9 at full load
- Total Harmonic Distortion: < 20% at full load

## SPECIFICATION

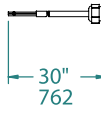
### 2FT

Net. Weight: 4.5 lbs



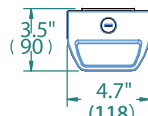
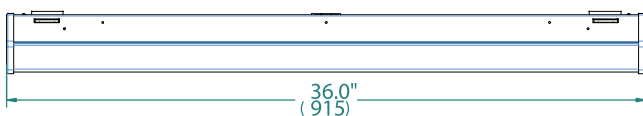
### Option

End-side cable installed



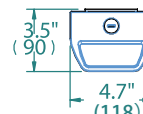
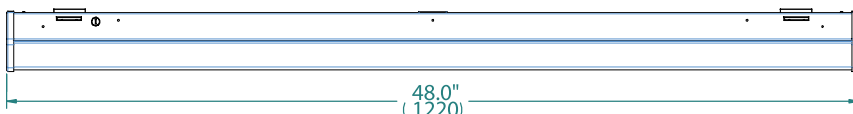
### 3FT

Net. Weight: 5.9 lbs



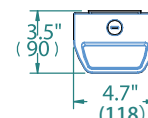
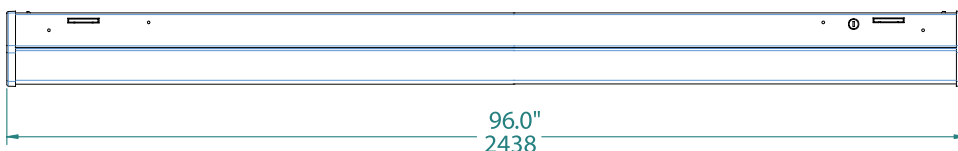
### 4FT

Net. Weight: 7.5 lbs

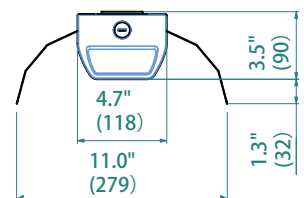


### 8FT

Net. Weight: 13.5 lbs



### With Two Reflectors



## PERFORMANCE

CRI

80

CCT

3000K, 3500K, 4000K, 5000K

Dimming

0-10V Dimming Standard

Projected Lifetime

L70 - 156,000 Hours

Working Temperature

-4-104°F (-20-40°C)

Certifications

- cETLus conforms to UL Std. 1598  
Cert. to CSA Std. C22.2 No.250.0
- Suitable for damp locations
- DLC Premium<sup>1</sup>
- RoHs compliant

Notes:

1. DLC premium is for 4ft 30W and 45W with frosted lens.

## Ordering Information

### Example: STR12D30LED401F

Strip Fixture	Dimension	Dimmable	Watts	LED	CCT	Voltage	Series	Controls
STR	06 - 2FT	D - 0-10V Dimmable	20 - 20 Watts	LED	30 - 3000K	1 - 120-277V	F-Frosted lens <sup>4</sup>	Blank - None
					35 - 3500K	2 - 347V <sup>1,3</sup>	C-Clear Lens <sup>4</sup>	MSWO - Microwave ON/OFF Sensor <sup>1</sup>
	09 - 3FT <sup>5</sup>		26 - 30 Watts		40 - 4000K	8 - 120-347V <sup>1,3,6,7</sup>		MSW-Microwave Dimming sensor <sup>2</sup>
					50 - 5000K			EBU - Emergency Battery Back-up <sup>3</sup>
	12 - 4FT		30 - 30 Watts 45 - 45 Watts					
	24 - 8FT		60 - 60 Watts <sup>6</sup> 85 - 80 Watts <sup>7</sup>					

### Option



#### 2ESC1

2ft End-side Cable Installed, white, no plug

Note: Standard product does not include the end-side cable. If need end-side cable installed please ask Customer Service.

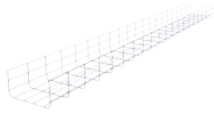
1. Microwave ON/OFF sensor for mounting height 20ft (6m) max. Microwave ON/OFF sensor is not available for 347V.
2. Microwave dimming sensor for mounting height 20ft (6m) max. Dimming default setting is Bi-Level dim and dimming to 50% and none Cut Off. Daylight sensor default setting is disabled. If other settings needed such as 20% or 30% dimming, ON/OFF function, and daylight sensor function, please consult with customer service in advance.
3. Emergency battery back-up is for ambient temperatures of 32°F-95°F (0 °C-35°C). The emergency test button is pre-installed on the fixture. If a remote test switch is needed, please contact customer service. The standard emergency test button is plastic. Metal emergency test button is optional. Emergency battery back-up is 120-277V. The EBU is Title 20 compliant. Emergency battery backup is available in 10W for 4ft with 1650lm, 8W for 8ft with 1360lm and works for a minimum of ninety (90) minutes.
4. Frosted lens is standard. Please contact Customer Service for the lead time of clear lens.
5. 3ft is without DLC. Please contact Customer Service for lead time of 3ft vision strip.
6. For 60W, only 120-347V is available.
7. For 80W, only 120-277V and single voltage 347V are available. 120-347V is not available for 80W.

\* 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.

\* 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

\* Standard Finish is White. Custom colors might be available for an additional fee. Please check with Customer Service for more information.

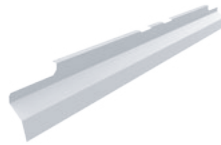
## Accessories (Ordered separately)



**90237**

STRP06-WG

Wire guard for 2ft strip



**90238**

STRP12-WG<sup>1</sup>

Wire guard for 4ft and  
8ft strip

**90240**

STRP06-RF

Reflector 2ft strip

**90242**

STRP12-RF<sup>2</sup>

Reflector 4ft and  
8ft strip



**90243**

STRP-VH<sup>4</sup>

V-hooks for strip



**90264**

STRP-QSMK<sup>3</sup>

Quick surface mount kit for  
ceiling and wall mount (a pair)



**90759**

STR-PMK

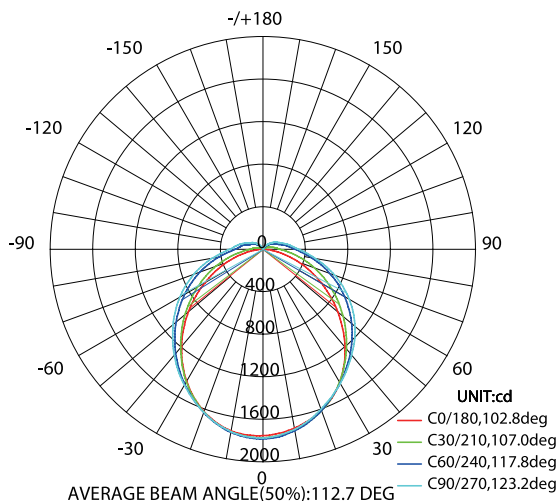
Pendant Mount Kits for strip (a pair)

### Notes:

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. Two pieces are needed for 2ft, 3ft and 4ft . If for 8ft please order three pieces.
4. Soft chain mount with V-hooks is the best choice if fixture is with MSW or MSWO and needed to be installed on a ceiling of long time vibration.

## PHOTOMETRY

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP certified laboratory.



## PERFORMANCE DATA

### LUMEN OUTPUT

Lumen values are estimated with LED data sheet.

#### Frosted Lens

Watts	Lumen Output	Measured Watts	Size	CRI	AC Input 120V	CCT	LPW
20	3000	20	2FT	80	0.18A	5000K	150
30	4500	30	3FT	80	0.24A	5000k	150
30	4500	30	4FT	80	0.28A	5000K	150
45	6900	46	4FT	80	0.41A	5000K	150
60	9000	60	8FT	80	0.50A	5000K	150
85	11600	80	8FT	80	0.67A	5000K	145

\* Emergency battery backup is available in 10W for 4ft with 1750lm, 8W for 8ft with 1440lm and works for a minimum of ninety (90) minutes

#### Clear Lens

Watts	Lumen Output	Measured Watts	Size	CRI	AC Input 120V	CCT	LPW
20	3160	20	2FT	80	0.18A	5000K	158
30	4740	30	3FT	80	0.24A	5000K	158
30	4740	30	4FT	80	0.28A	5000K	158
45	7268	46	4FT	80	0.41A	5000K	158
60	9480	60	8FT	80	0.50A	5000K	158
85	12240	80	8FT	80	0.67A	5000K	153

#### 347V Frosted Lens

Watts	Lumen Output	Measured Watts	Size	CRI	AC Input 347V	CCT	LPW
20	3000	20	2FT	80	0.06A	5000K	150
30	4500	30	3FT	80	0.07A	5000k	150
30	4500	30	4FT	80	0.09A	5000K	150
45	6900	46	4FT	80	0.13A	5000K	150
60	9000	60	8FT	80	0.17A	5000K	150
85	11600	80	8FT	80	0.23A	5000K	145

#### Lumen Ambient Temperature (LAT) Multipliers

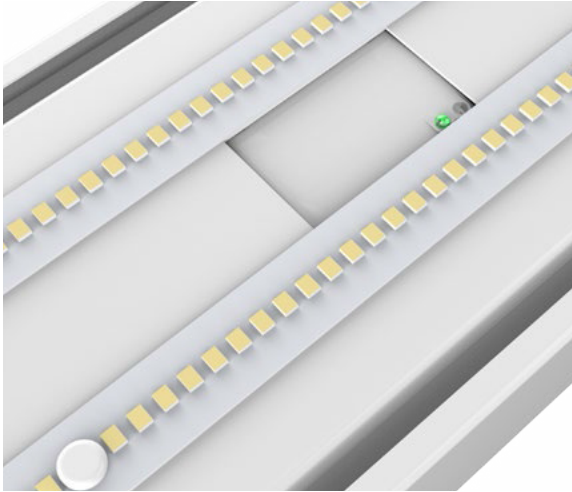
Use these factors to determine relative lumen output for average ambient temperature from -4-104°F (-20-40°C)

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

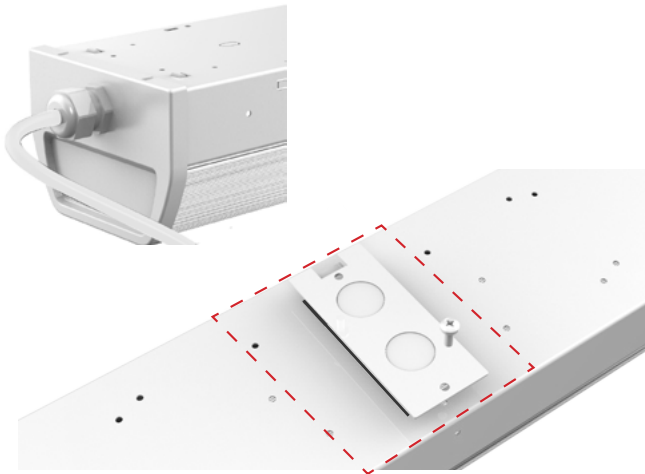
#### Projected LED Lumen Maintenance

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)



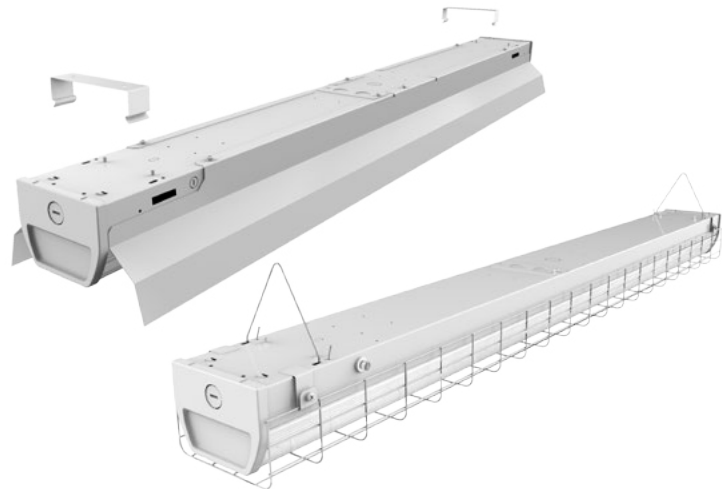
- **Built-in** sensor



- **Easy to wire** end and back side wire entries available, meet different junction box locations.



- **EBU** backup available  
The standard emergency test button is plastic. Metal emergency test button is optional



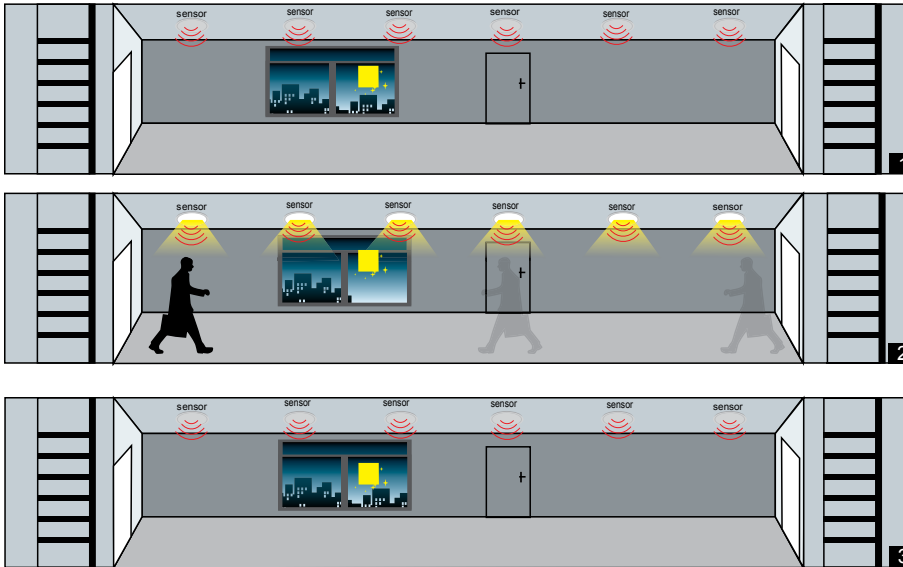
- **Easy to install** quick ceiling & wall surface mount and V-hook mount optional, no need to open the housing.

## MICROWAVE ON/OFF SENSOR

### ON -OFF FUNCTION

#### Motion sensor + LED driver

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 synchronously switch on.

3. After stand-by period, the lamps switch off if no movement is detected in the detection zone.

## MICROWAVE ON/OFF SENSOR SETTING (120-277V)

By selecting the combination on the DIP switch, sensor data can be precisely set for each specific application.

	1	2	
ON	I	ON	100%
	II	—	75%
	III	ON	50%
	IV	—	10%

#### Detection Area

Detection area can be reduced by selecting the combination on the DIP switches to fit precisely each application.

**Default Setting: 100%**

	3	4	5	
ON	I	ON	ON	5s
	II	—	ON	30s
	III	ON	—	90s
	IV	—	—	3min
	V	ON	ON	20min
	VI	—	—	30min

#### Hold Time

Refers to the time period the lamp remains at 100% illumination after no motion detected.

**Default Setting: 20 min**

ON  
↑  


The sensor can be set to only allow the lamp to illuminate below a defined ambient brightness threshold.

**Default Setting: Disable**

ON  
↑  


When set to “Const-ant ON”, the microwave sensor function is inactive, lights turns on or off by switch.

### Default Setting: 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.



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866-222-8866  
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www.AboveAllLighting.com

## MICROWAVE DIMMING SENSOR SETTING (120-277V)


By selecting the combination on the DIP switch, sensor data can be precisely set for each specific application.

		1	2	
ON ↑ 	I	ON	ON	100%
	II	ON	-	75%
	III	-	ON	50%
	IV	-	-	10%

### Detection area

Detection area can be reduced by selecting the combination on the DIP switches to fit precisely each application .


**Default Setting: 100%**

		3	4	5	
ON ↑ 	I	ON	ON	ON	5S
	II	-	ON	ON	30S
	III	ON	-	ON	90S
	IV	-	-	ON	3min
	V	ON	ON	-	20min
	VI	-	-	-	+∞

### Hold time

Refers to the time period the lamp remains at 100% illumination after no motion detected.


**Default Setting: 20 min**

		6	7	8	
ON ↑ 	I	ON	ON	ON	0S
	II	-	ON	ON	5S
	III	ON	-	ON	5min
	IV	-	-	ON	10min
	V	ON	ON	-	30min
	VI	-	ON	-	1h
	VII	-	-	-	Disable

### 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 "Disable" mode, the low light is maintained until motion is detected

**Default Setting: Disable**

		1	2	3	4	
ON ↑ 	I	-	-	ON	ON	2Lux
	II	-	-	-	ON	5Lux
	III	-	ON	ON	-	10Lux
	IV	-	-	ON	-	25Lux
	V	-	ON	-	-	50Lux
	VI	ON	-	-	-	100Lux
	VII	-	-	-	-	Disable

### 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.

**Default Setting: Disable**

		5	6	
ON ↑ 	I	ON	ON	50%
	II	-	ON	30%
	III	ON	-	20%
	IV	-	-	10%

### Stand-by dimming level

The low light level you would like to have after the hold time in the long absence of people.

**Default Setting: 50%**



## MICROWAVE DIMMING SENSOR SETTING (347V)

By selecting the combination on the DIP switch, sensor data can be precisely set for each specific application.

	1	2	
I	ON	ON	100%
II	ON	—	75%
III	—	ON	50%
IV	—	—	25%

### Detection area

Detection area can be reduced by selecting the combination on the DIP switches to fit precisely each application.

**Default Setting: 100%**

	3	4	5	
I	ON	ON	ON	5s
II	ON	—	ON	30s
III	—	ON	ON	1min
IV	ON	—	—	5min
V	—	ON	—	10min
VI	—	—	ON	15min
VII	—	—	—	30min

### Hold time

Refers to the time period the lamp remains at 100% illumination after no motion detected.

**Default Setting: 15min**

	6	7	8	
I	ON	ON	ON	0s
II	ON	—	ON	1min
III	—	ON	ON	3min
IV	ON	—	—	5min
V	—	ON	—	10min
VI	—	—	ON	30min
VII	—	—	—	+∞

### 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.

**Default Setting: +∞**

	S1	S2	
I	ON	ON	10%
II	ON	—	20%
III	—	ON	30%
IV	—	—	40%

### Stand-by dimming level

The low light level you would like to have after the hold time in the long absence of people.

**Default Setting: 40%**

	S3	S4	S5	S6	
I	ON	ON	ON	ON	5Lux
II	—	ON	ON	ON	15Lux
III	ON	—	ON	ON	30Lux
IV	—	—	ON	ON	50Lux
V	ON	ON	—	ON	100Lux
VI	ON	ON	ON	—	150Lux
VII	—	—	—	—	Disable

### 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.

**Default Setting: Disable**

## Warranty

Five year limited warranty. Full warranty terms located at [www.abovealllighting.com/warrantystatements](http://www.abovealllighting.com/warrantystatements)

## Note:

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