



LED STANDARD STRIP

Wide size ideal to replace the two-lamp fluorescent strip



PRODUCT DESCRIPTION

ABOVE ALL lighting's LED strip have a traditional design with diffuser lens. Optional accessories include, EBU and motion sensors. It can be used in warehouse, office, garage, display shop and other commercial applications.

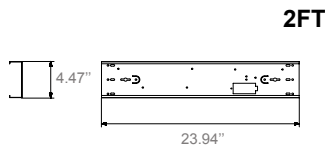
ELECTRICAL SYSTEM

- Input Voltage: 120-277V 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

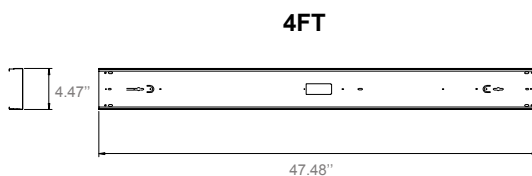
2FT

Length: 23.94"
 Width: 4.47"
 Height: 3.60"
 Max. Weight: 2.0 lbs



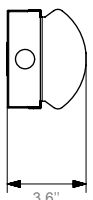
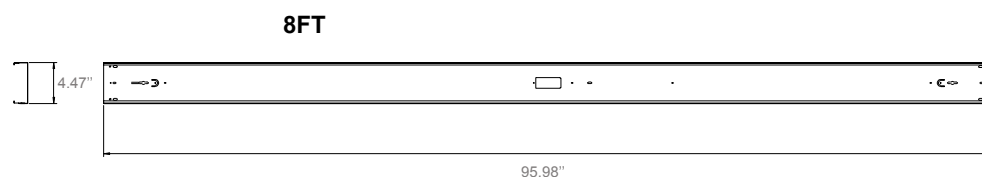
4FT

Length: 47.48"
 Width: 4.47"
 Height: 3.60"
 Max. Weight: 3.50 lbs



8FT

Length: 95.98"
 Width: 4.47"
 Height: 3.60"
 Max. Weight: 7.50 lbs



PERFORMANCE

CRI
80
 CCT
3000K, 3500K, 4000K, 5000K

Dimming
0-10V Dimming Standard

Projected Lifetime

L70 - 116,000 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
- RoHs compliant

Ordering Information

Example: STR12D40LED401S

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	S - Standard	Blank - None
	12 - 4FT		40 - 40 Watts		35 - 3500K			W - Without
	24 - 8FT	85 - 80 Watts	40 - 4000K		Lens	MSW -Microwave Dimming sensor ²		
					50 - 5000K			EBU - Emergency Battery Back-up ³
								WG - Wire Guard

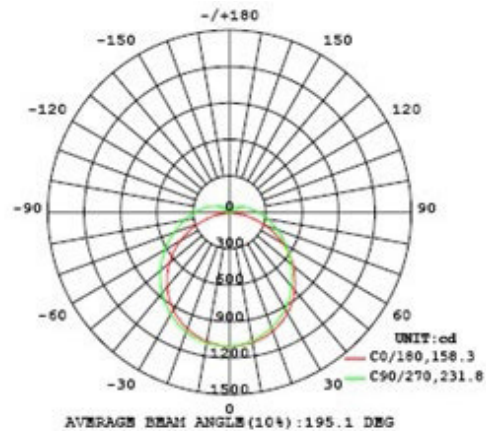
1. Microwave ON/OFF sensor, for mounting height 20ft (6m) max. It is standard.
2. Microwave dimming sensor, for mounting height 49ft (15m) max. It is for option. Please contact customer service in advance.
3. The emergency test button is pre-installed on fixture. If need a remote test switch please contact factory.

* MSWO and MSW can not be installed in the room of long-time vibration because the vibration signal will be regarded as the moving signal to trigger sensor.

* Special Order- Ask Customer Service for Details

PHOTOMETRY

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



40W 4000K

PERFORMANCE DATA

LUMEN OUTPUT

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

Watts	Lumen Output	Measured Watts	CRI	AC Input 120V	CCT	LPW
20W	2200	20W	80	0.18A	5000K	110
40W	4400	40W	80	0.37A	5000K	110
85W	9350	80W	80	0.73A	5000K	110

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	1.02
10	50	1.01
20	68	1.00
25	77	1.00
30	86	1.00
40	104	0.99

Projected LED Lumen Maintenance

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

Operating Hours	116,000
Lumen Maintenance Factor	0.70(L70)

System Wattage	Max THD (%)	Power Factor	Power Efficiency	Replaces/ Equiv.(FL)
20W	20	>0.95	93%	2 Lamp - 17W T8
40W	20	>0.95	99%	2 Lamp - 32W T8
80W	20	>0.95	92%	4 Lamp - 32W T8

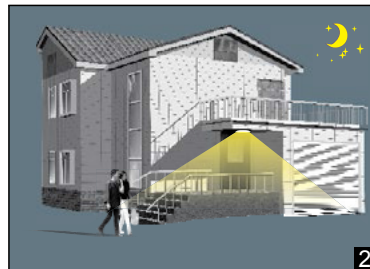
MICROWAVE ON/OFF SENSOR ON -OFF FUNCTION

Motion sensor + LED driver or ballast (Any brand)

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. As built-in daylight sensor can read brightness value, the sensor does not switch on the light if with sufficient natural light.



With sufficient light, the lamp doesn't switch on.



With insufficient ambient light, the sensor switches on the lamp when motion is detected.



After hold time, the sensor switches off the lamp when no motion is detected.

MICROWAVE ON/OFF SENSOR SETTING

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

ON ↑ [DIP SWITCH]		1	2	
	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%

ON ↑ [DIP SWITCH]		3	4	5	
	I	ON	ON	ON	5s
	II	-	ON	ON	30s
	III	ON	-	ON	90s
	IV	-	-	ON	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: 3min

ON ↑ []		6	7	8	
	I	ON	ON	ON	2lux
	II	ON	ON	-	10lux
	III	-	ON	-	25lux
	IV	ON	-	-	50lux
V	-	-	-	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, 25lux: twilight operation, 10lux, 2lux: darkness operation only.

Default Setting: Disable

ON ↑ []		9	
	I	ON	Constant ON
	II	-	Sensor

Mode

When set to "Constant ON", the microwave sensor function is inactive, lights turn on or off by switch.

When set to Sensor, the microwave sensor function is active.

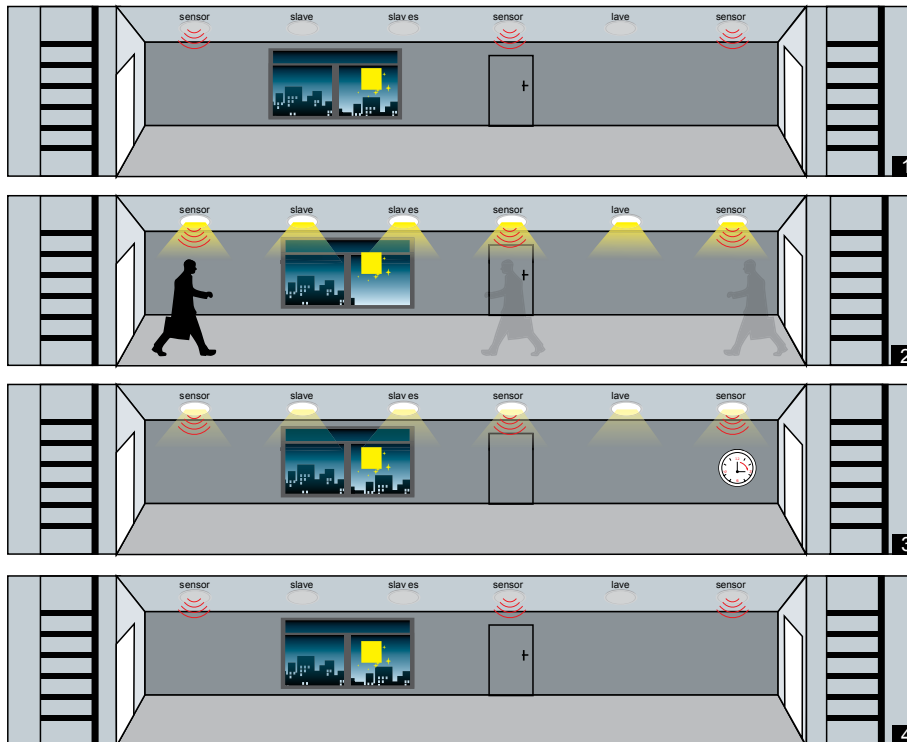
Default Setting: Sensor

MICROWAVE DIMMING SENSOR

DIMMING FUNCTION

3-step dimming function

Lamps in corridor are controlled by several sensors. Once any motion is detected by one of sensors, the motion signal will be transmitted to other sensors connected together. Then, all lamps switch on at the same time, instead of switching on the lamps in the area where motion is detected.



1. No motion detected, all lamps switch off.


2. Any movement is detected from any direction, all lamps synchronously 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


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

ON ↑ 		1	2	
	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%

ON ↑ 		3	4	5	
	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: 3min

ON ↑ 		6	7	8	
	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 " +∞" mode, the low light is maintained until motion is detected.

Default Setting: 30min

ON ↑ 		1	2	3	4	
	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

ON ↑ 		5	6	
	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%

Warranty

Five year limited warranty. Full warranty terms located at www.abovealllighting.com/warrantystatements

Note:

Specifications subject to change without notice.