



Above All Lighting's 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.

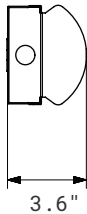
TECHNICAL DATA

Length	2ft, 4ft, 8ft
Wattage	20W, 40W, 80W
CRI	80
CCT	3000K, 3500K, 4000K, 5000K
Driver	0-10V Dimming, Class 2 driver
Input Voltage	120-277V, 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 - 116,000 Hours



SPECIFICATION

Side View



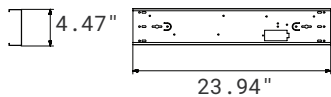
2ft

Length: 23.94"

Width: 4.47"

Height: 3.60"

Max. Weight: 2.0 lbs



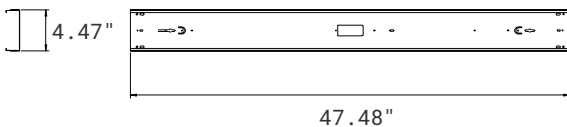
4ft

Length: 47.48"

Width: 4.47"

Height: 3.60"

Max. Weight: 3.50 lbs



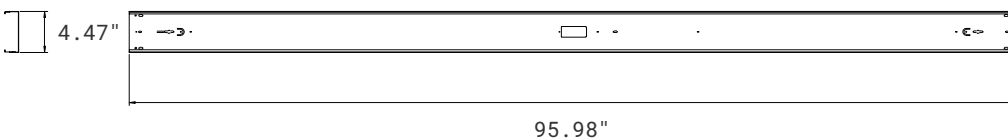
8ft

Length: 95.98"

Width: 4.47"

Height: 3.60"

Max. Weight: 7.50 lbs



STANDARD STRIP

Wide Size Ideal To Replace The 2 Lamp Fluorescent Strip

ORDERING INFORMATION

EXAMPLE: STR12D40LED401S

STR								
Strip Fixture	Dimension	Dimmable	Wattage	LED	CCT	Voltage	Series	Control
STR	06 2ft	D 0-10V Dimmable	20 20W	LED	30 3000K	1 120-277V	S Standard W Without Lens	BLANK 0-10V Dimming Driver
	12 4ft	D 0-10V Dimmable	40 40W		35 3500K			MSWO Microwave ON/OFF Sensor ^{1&4}
	24 8ft	D 0-10V Dimmable	85 80W		40 4000K 50 5000K			MSW Microwave Dimming Sensor ^{2&4} EBU Emergency Battery Back-up ³ WG Wire Guard

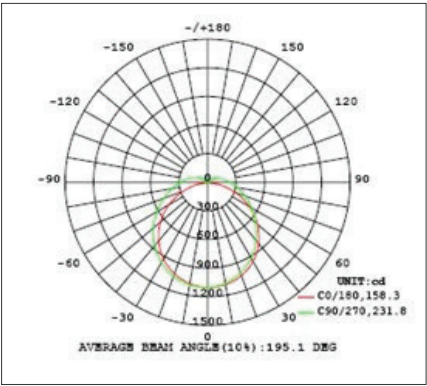
NOTE:

1. Microwave ON/OFF sensor, for mounting height 20ft max. It is standard.
2. Microwave dimming sensor, for mounting height 49ft 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.
4. 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.
5. 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. IESNA LM-79-08 specifies the entire luminaire as the source resulting in a fixture efficiency of 100%. Results may vary per actual order.

40W 4000K



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	Measured Wattage	CRI	AC Input 120V	CCT	LPW
20W	2200lm	20W	80	0.18A	5000K	110
40W	4400lm	40W	80	0.37A	5000K	110
85W	9350lm	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°F to 104°F (-20°C to 40°C).

Ambient		
Celsius	Fahrenheit	Multiplier
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 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)

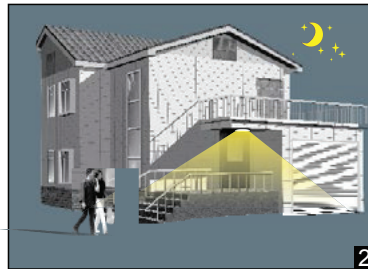
System Wattage	Max THD (%)	Power Factor	Power Efficiency	Replaces/ Equiv.(FL)
20W	20	>0.95	93%	2 Lamp - 17W T8
40W	20	>0.95	99%	2 Lamp - 32W T8
80W	20	>0.95	92%	4 Lamp - 32W T8

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.

		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	—	—	—	30min

Hold Time

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

Default Setting: 3min

		6	7	8	
ON ↑ 	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

		9	
ON ↑ 	I	ON	Constant ON
	II	—	Sensor

Mode

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

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

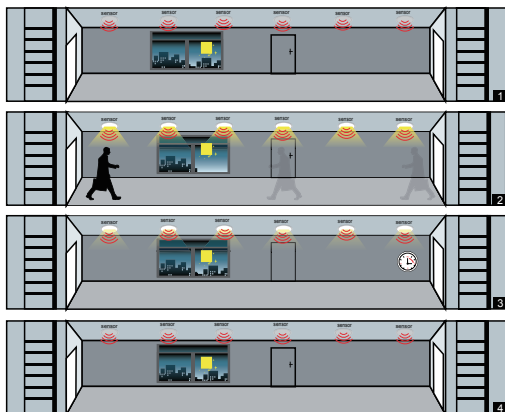
Default Setting: Sensor

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.

		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: 3min

STANDARD STRIP

Wide Size Ideal To Replace The 2 Lamp Fluorescent Strip

<div>ON</div> <div>↑</div> <div>■</div>		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	—	1 hour
	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

<div>ON</div> <div>↑</div> <div>■</div>		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

<div>ON</div> <div>↑</div> <div>■</div>		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

5 years limited warranty.

Specifications subject to change without notice.