



LED Troffer Door Frame Retrofit Kit is designed to have even illumination from end to end. It is suitable for office, hospital, and retail environments. The retrofit is a one piece and enclosed steel framed Center Basket. It is designed to upgrade fluorescent light fixtures. Assembly allows for rapid troffer conversion. Upgrade to modern full distribution architectural aesthetics providing controlled very soft, very well uniform light distribution. Easy installation, only need 2.5 minutes. Available in both 2x2 and 2x4 configurations.

## TECHNICAL DATA

### CRI

Standard	80
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CCT	3000K, 3500K, 4000K, 5000K
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### Input Voltage

Standard	120-277VAC, 50/60Hz
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Operating Temp.	-4°F to 104°F (-20°C to 40°C)
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### Driver

Standard	1-10V Dimming
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	Class II drivers
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Certifications	cETLus conforms to UL Std. 1598
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	Cert. to CSA Std. C22.2 No.250.0
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	RoHS compliant
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	Suitable for dry or damp locations
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Power Factor	>0.98 at full load
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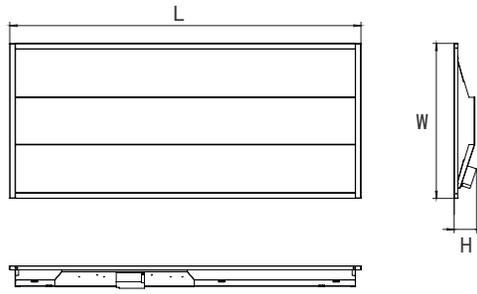
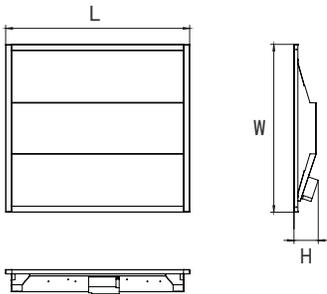
Harmonic Distortion	<20% at full load
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Projected Lifetime	L70 - 125,000 Hours
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## SPECIFICATION

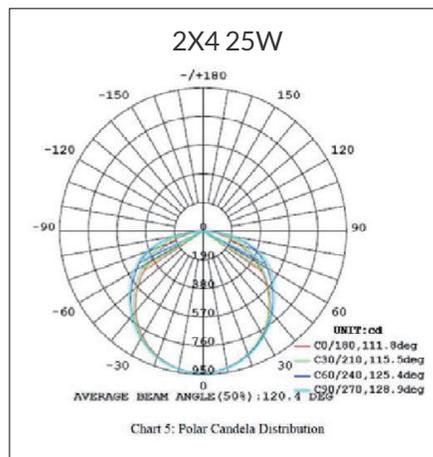
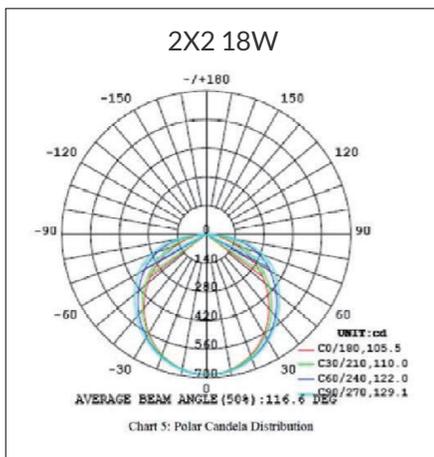
Length: 22.56"  
Width: 20.59"  
Height: 2.97"  
Max. Weight: 12 lbs

Length: 46.62"  
Width: 20.59"  
Height: 2.97"  
Max. Weight: 21 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.



## ORDERING INFORMATION

EXAMPLE: TRK22D25LEDXX-DL-EBU

TRK Door Frame Retrofit Kit	Dimension	Dimmable	Wattage	Source type	CCT	Series	Control
TRK	22 2'x2'	D 1-10V Dimmable	18 18 Watts <sup>1</sup>	LED	30 3000K	Series DL	EBU Emergency Battery Backup <sup>2</sup>
	24 2'x4'		25 25 Watts		32 32 Watts		
25 25 Watts		38 38 Watts		45 45 Watts	50 5000K	MSWB Bluetooth Microwave Motion Sensor <sup>5</sup>	

### NOTE:

1. For EBU solution, 18W is excluded.
2. The emergency test button is pre-installed on fixture. If need a remote test switch please contact factory. The EBU is Title 20 compliant.
3. 3500K and 4000K are standard.
4. Information of sensor default setting is on the last page. Sensor data can be reset for each specific application by DIP switches or by a remote controller which need to be bought separately.
5. Information of sensor default setting is on the last page. Sensor data can only be reset by a user manual APP. Please contact Customer Service for APP details.

## ACCESSORIES (ORDERED SEPARATELY AND FIELD INSTALLED)



### RC-100

Remote control for sensor.

## 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.

Nominal Wattage	Measured Wattage	Size	Lumen Output @5000K	Lumen Output @4000K	Lumen Output @3500K	Lumen Output @3000K	AC Input @ 120V	CRI	LPW
18W	18W	2x2	2160	2160	2120	2050	0.15A	>80	120
25W	26W	2x2	3400	3350	3300	3200	0.22A	>80	131
32W	32W	2x2	3930	3840	3840	3650	0.27A	>80	123
25W	25.5W	2x4	3400	3350	3300	3120	0.21A	>80	133
38W	36W	2x4	4680	4600	4500	4400	0.30A	>80	130
45W	44W	2x4	5400	5300	5160	5160	0.37A	>80	123

## 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).

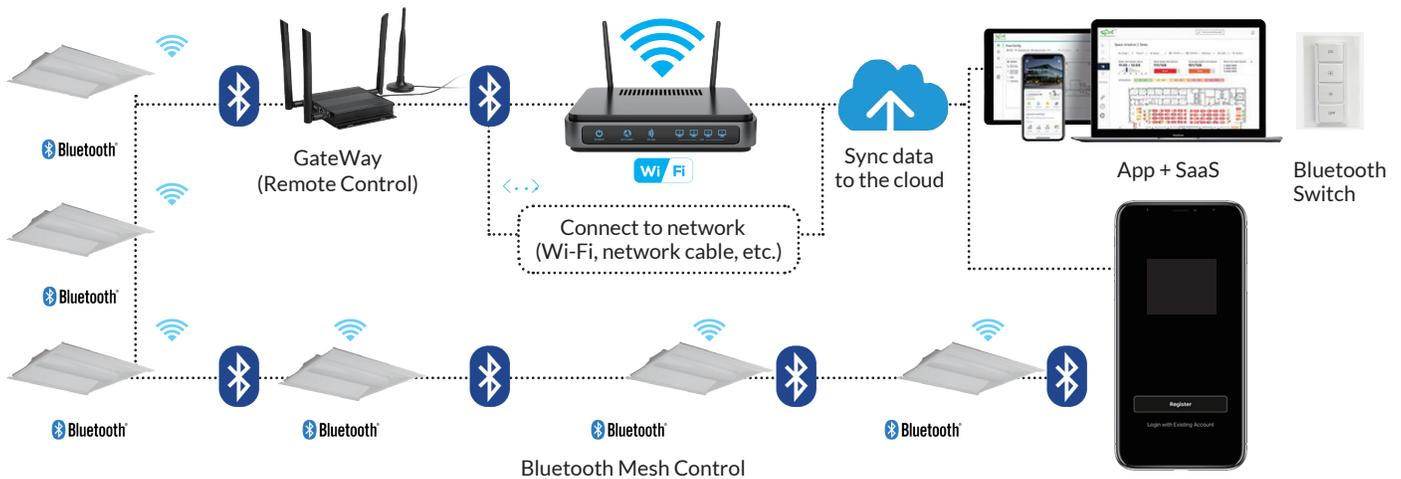
Ambient		Multiplier
Celsius	Fahrenheit	
0	32	1.02
10	50	1.01
20	68	1.00
25	77	1.00
30	86	1.00
40	104	0.99

## Projected LED Lumen Maintenance

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

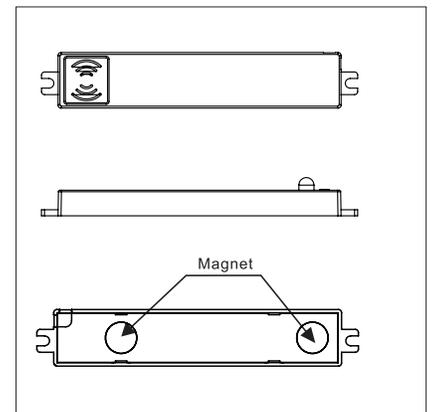
Operating Hours	0H	12,000H	18,000H	30,000H	125,000H
Lumen Maintenance Factor	1.0	0.98(L98)	0.96(L96)	0.92(L92)	0.70(L70)

## BLUETOOTH MICROWAVE MOTION SENSOR (ANT-7-BLE)



### Overview

The Bluetooth Fixture Sensor is a complete sensing and lighting control node powered from its attached light fixture. Sensor information combined with a configurable behavior profile makes the fixture Sensor an integral component of an intelligent lighting control and sensing solution. With integrated wireless communications for data transmission and remote configuration as well as autonomous fixture-level control, this sensor brings advanced lighting automation to a whole new level.



## Features And Benefits

**Sharkward Fixture Sensor DLC:** Meet DLC 5.1 Networked Lighting Control System.

**Localized Lighting Control:** Light-level schedules, preferences, and profiles for each fixture are wirelessly communicated at system setup and stored for continuous operation.

**Bluetooth Low Energy:** An embedded BLE radio allows the sensor to receive and transmit beacons as well as support communication with lighting control devices and other sensors.

**Occupancy/Vacancy/Manual:** A Microwave sensor combined with ambient with 3 difference modes as options.

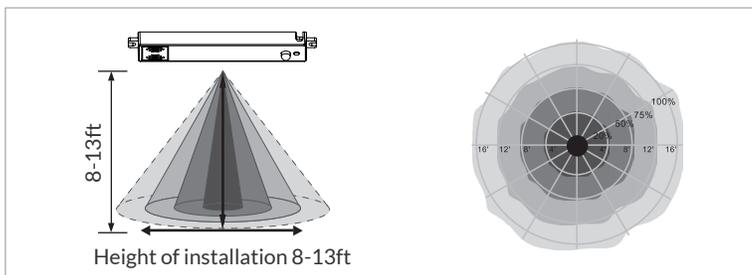
**Daylight Harvesting:** Captured ambient light information is locally processed to raise and lower light levels based on available daylight.

**Room and Zone Control:** Pairs with room switches for code-compliant manual-on or auto-off capability. Sensors can be grouped into zones that share occupancy sensing data and coordinate light control based on detected motion.

## Technical Data

<b>Motion Sensor</b>	Microwave sensor
<b>Input Power</b>	12-24VDC, >50mA
<b>Control Output</b>	2-channel 0-10V output signals, 1 for dimming, 1 for CCT
<b>Mounting height</b>	13ft (4m) Max.
<b>Detection angle</b>	360°
<b>Operating temperature</b>	-40°F to 158°F (-40°C to 70°C)
<b>Wireless Standards</b>	5.0 Bluetooth Mesh

## Sensor Coverage



## MICROWAVE DIMMING SENSOR SETTING

Sensor data can be reset for Microwave Motion Sensor by DIP switches or by a remote controller which need to be bought separately.

Sensor data can only be reset by a user manual APP for Bluetooth Microwave Motion Sensor. Please contact Customer Service for APP details.

### 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%/20%

**Default Setting: 100%**

### Hold time

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

Optional Setting: 10S/1min/5min/15min

**Default Setting: 15min**

### 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: Disable/10lux/30lux/50lux

**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: 0%/10%/30%/50%

**Default Setting: 30%**

### 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: 1min/30min/60min/+∞

**Default Setting: 30min**