

TROFFER



OVERVIEW	
Luminous Efficacy	5000-6250 lm
Wattage Range	40W-50 W
Efficacy (LPW)	125lm/W
Size	2x2 ft , 2x4 ft

QUICK LINKS

[Ordering Guide](#)
[Performance](#)
[Photometrics](#)
[Dimensions](#)

FEATURES & SPECIFICATIONS

Construction

- Recessed design for 2x2 ft and 2x4 ft sizes, with quick snap-in to ceiling grids, enabling fast installation.
- Plug-and-play electrical connection for direct linkage to ceiling wiring, ensuring instant operation and simplified setup.

Optical System.

- Beam angle 120°
- Minimum CRI of 80.
- 3500K, 4000K, 5000K, 5700K , 6000K for Option.

Electrical

- Built-in Class High Power Factor driver
- Universal Voltage (100-277 VAC) Input 50/60 Hz.
- Operating temperature: -20°C ~ +40°C

- LED high luminous efficiency and long life.
- Power factor: >0.9

Controls

- CCT
- Power

Installation

- Mounting method: Recessed.

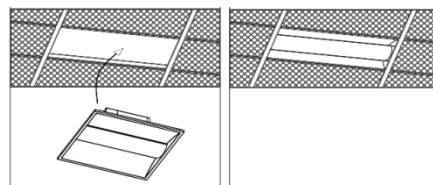
Warranty

- 5 years warranty

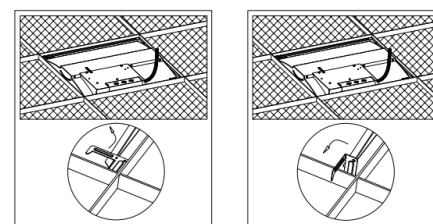
Listings

- All the sizes have passed ETL and FCC.

1. Replace existing lighting fixture from ceiling with LED Troffer.



2. Use the protective brackets for the sake of safety.



PARAMETERS

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ITEM NO.	SIZES	WATTAGE	LUMEN/W	TOTAL LUMENS	Input Amps	Input Amps
					at 120V	at 277V
BRT-TRO22-V3-5CCT-40W-DM-UNV	2x2	40W	125lm/W	5000lm	0.367	0.159
BRT-TRO24-V3-5CCT-50W-DM-UNV	2x4	50W	125lm/W	6250lm	0.458	0.199

PHOTOMETRICS

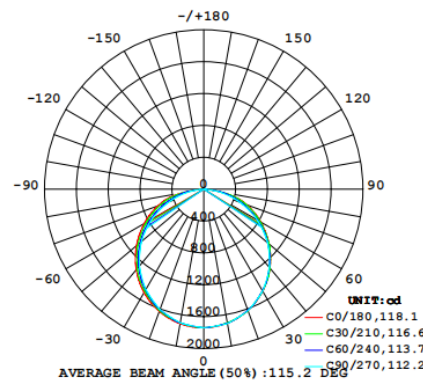
Luminaire photometry has been conducted by an accredited laboratory in accordance with IESNA LM-79. As specified by IESNA LM-79 the entire luminaire is tested as the source resulting in a luminaire efficiency of 100%.

TROFFER 40W

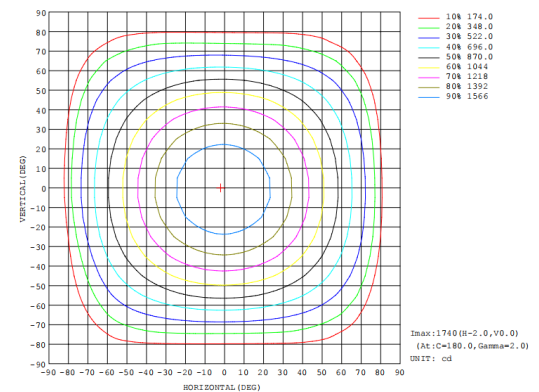
Degree distribution	
Description	3500K
Delivered Lumens	5109 lm
Watts	38.746 W
Efficacy	131.85 lm/W
CRI	80
IES Type	/

Zonal Lumen Summary		
Zone	Lumens	%Luminaire
Low (0-30)°	1349	26.4%
Medium (30-60)°	2608	51.1%
High (60-80)°	1075	21%
Very High (80-90)°	77	1.5%
Total Flux	5109	100%

Luminous Intensity Distribution Curve



ISOCANDELA DIAGRAM

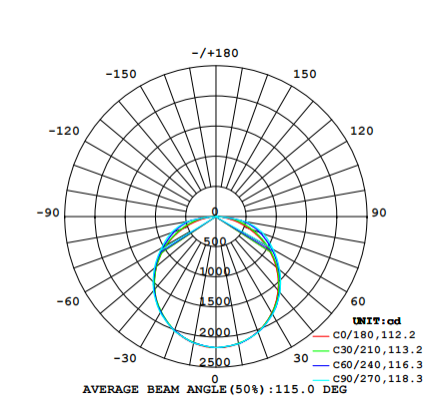


TROFFER 50W

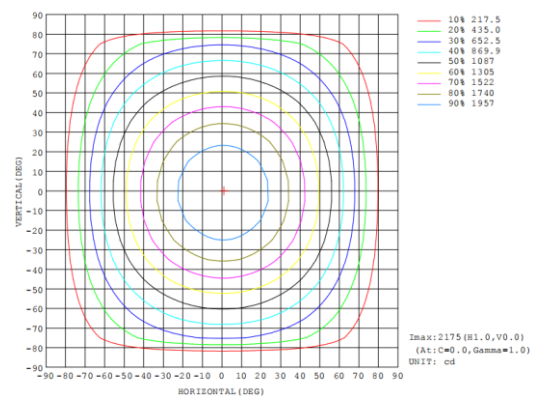
Degree distribution	
Description	3500K
Delivered Lumens	6484 lm
Watts	46.679 W
Efficacy	138.90 lm/W
CRI	80
IES Type	/

Zonal Lumen Summary		
Zone	Lumens	%Luminaire
Low (0-30)°	1687	26%
Medium (30-60)°	3254	50.2%
High (60-80)°	1400	21.6%
Very High (80-90)°	143	2.2%
Total Flux	6484	100%

Luminous Intensity Distribution Curve



ISOCANDELA DIAGRAM

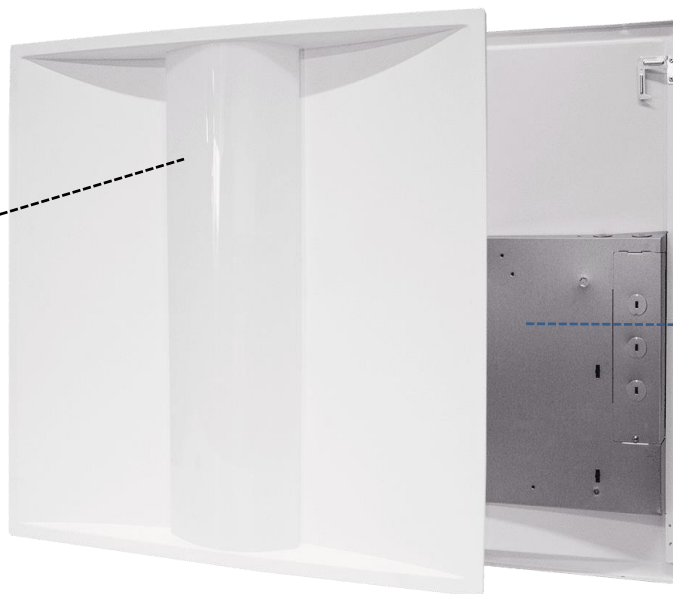


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ACCESSORIES

Accessories	Order Number
Motional sensor	MS
Emergency battery	EM

Motion sensor,
PIR sensor

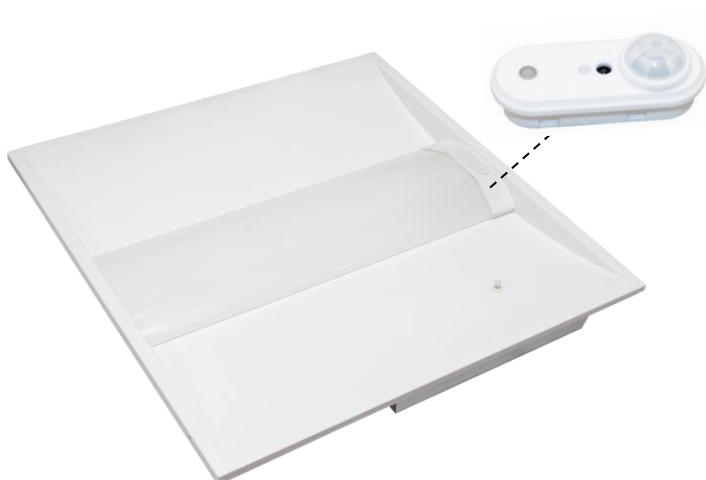


Emergency battery



Sensor:

1. Built-in sensor
2. Plug - unplug sensor



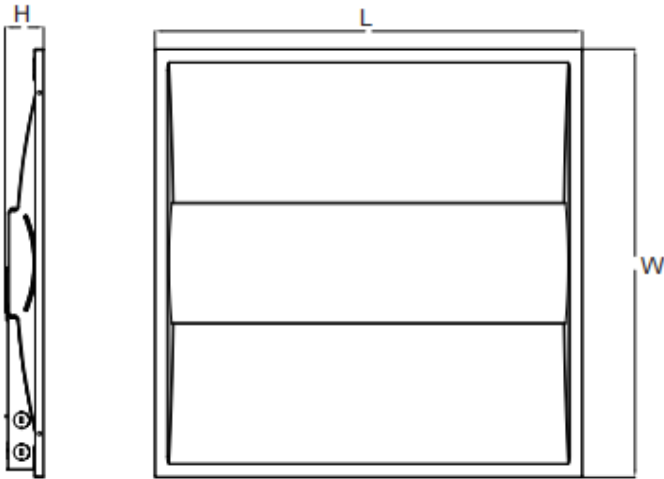
EM back up :

1. Built-in EM battery
2. External EM back up



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PHYSICAL INFORMATION

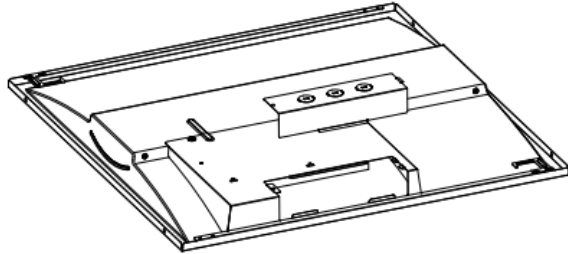


ITEM NO.	L	W	H
BRT-TRO22-V3-5CCT-40W-DM-UNV	23.74"	23.74"	2.15"
BRT-TRO24-V3-5CCT-50W-DM-UNV	47.75"	23.74"	2.15"

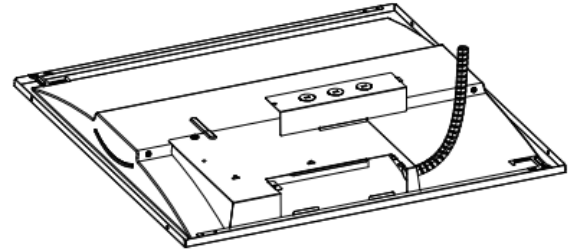
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ELECTRICAL CONNECTION

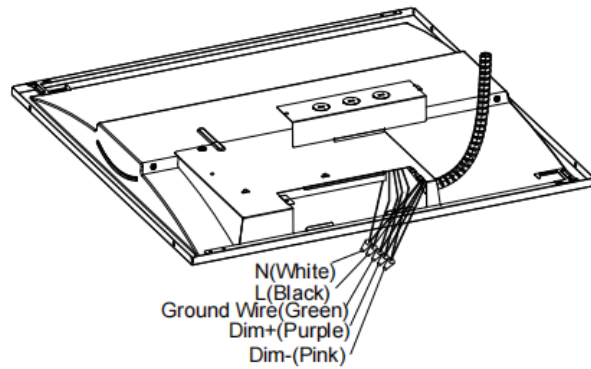
1. Unscrew the driver cover.



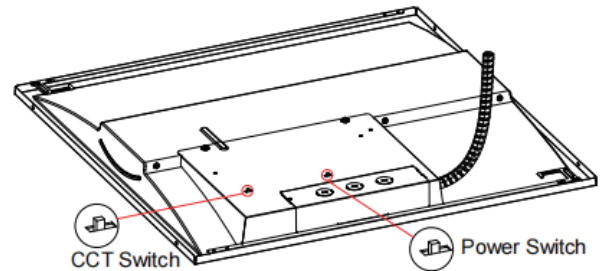
2. Connect the conduit to the driver box.



3. Connect other wires separately.



4. Put back the driver cover and fix it by screw.



PACKAGE

Sizes	Items	Box Size	Qty/ Carton	Lamps Net Weight	Weight/ Carton
2x2	BRT-TRO22-V3-5CCT-40W-DM-UNV	25.51''*5.51''*25.71''	2 PC	11.9 lbs	14.55 lbs
2x4	BRT-TRO24-V3-5CCT-50W-DM-UNV	49.49''*5.51''*25.71''	2 PC	21.61 lbs	25.79 lbs