

PROJECT:

SCHEDULE:

DATE:

PREPARE BY:

NOTES:

DESCRIPTION

The naturaLED Troffer provides an adaptable and reliable solution for commercial interior lighting needs. This DLC-certified luminaire is offered in 2'x2' and 2'x4' configurations and is optimized for seamless integration into T-Bar or Grid ceilings. It features a lightweight, bug-free lens that delivers consistent, uniform illumination. With selectable wattage and color temperature capabilities, the fixture easily adapts to diverse environmental requirements. It is now available with Plug-in Connector (PIC) Ready for sensor alongside optional accessories such as an Emergency LED Driver, T-Grid Hangers, and a PIR Motion Sensor.

APPLICATIONS

Conference, Meeting Rooms, Factories, Offices, Schools, Hospitals



FEATURES

- DLC Standard
- ETL/cETL Listed
- Damp Location
- Wattage & Color Selectable
- Plug-in Connector (PIC) Ready for sensor
- Wattages: 20~40W, 30~50W
- Color Temp: CCT3 (35/40/50K)
- Voltage: 120-277V
- Dimmable: 0-10V
- CRI:> 80
- Operating temperature: - 4°F - 104°F
- Power Factor: >0.9
- Beam Angle: 110°
- Easy installation for retrofit replacement
- Available in 2'x 2' or 2'x 4' length
- Material: Steel
- Lens: Polycarbonate Lens
- 5 Year Warranty
- Optional for Purchase: Emergency Driver, Inverter, PIR Sensor, T-Grid Hanger, Remote controller

ACCESSORIES

	Emergency Driver
	T-Grid Hanger for Emergency Driver
	PIR Motion Sensor
	Air Craft Cable
	Flange/Ceiling Mount Kit
	Surge Protection
	Remote Controller

SAMPLE NUMBER

TF40S/2X2/8C3

SERIES	WATTAGE	SELECTABLE	LENGTH	CRI	COLOR TEMP
TF Troffer	40 40 Watt	S Selectable Wattage	2x2 2-ft x 2-ft	8 CRI 80	C3 Selectable Color Temp (35/40/50K)



ORDERING

*P= Premium DLC / *S = Standard DLC

Ordering Code	Description	Watts (W)	Lumens (Lm)	CCT (K)	Equiv. Wattage (W)	Voltage	Size	Damp Location	DLC (S/P)
9813	TF40S/2X2/8C3	20	2,500	3CCT (35/40/50K)	60-100W	120-277V	2'x2'	•	S
		30	3,750						
		40	5,000						
9814	TF50S/2X4/8C3	30	3,750	3CCT (35/40/50K)	90-130W	120-277V	2'x4'	•	S
		40	5,000						
		50	6,250						
9842	TF40S/2X2/8C3-PIC2 (PIC-Ready for PIR Sensor)	20	2,500	3CCT (35/40/50K)	60-100W	120-277V	2'x2'	•	S
		30	3,750						
		40	5,000						
9843	TF50S/2X4/8C3-PIC2 (PIC-Ready for PIR Sensor)	30	3,750	3CCT (35/40/50K)	90-130W	120-277V	2'x4'	•	S
		40	5,000						
		50	6,250						

ACCESSORIES (Ordered Separately)

Emergency Inverter



7337 BAEM25-170BC/347-C
25W Emergency Inverter 120-347V

7342 BAEM40-170BC/347-C
40W Emergency Inverter 120-347V

Air Craft Cable



P10147 MT-ACC-4FT
(4-ft cable)

P10144 MT-ACC-10FT
(10-ft cable)

Motion Sensor



P10673 SEN-ANT-15P
(PIR Sensor with Daylight Harvesting function,
0-10V,12-24V for #9842 #9843)

Flange Mounting Kit



P10228 MT-2x2FMB0X
(2' x 2' Flange Mount Kit)

P10229 MT-2x4FMB0X
(2' x 4' Flange Mount Kit)

Remote Controller



P10632 SEN-BRI-RC200
(Remote Programmer for Sensor
P10673)

Ceiling Mount Kit (3.0" Height)



P10417 MT-2X2BOX-3.0in
(2'x2' Panel Surface Mount Kit-3.0"height)

P10418 MT-2X4BOX-3.0in
(2'x4' Panel Surface Mount Kit-3.0"height)

Surge Protection



P10389 SPD-L-10KV-277
(Surge Protection 10KV 120-277V)

P10390 SPD-L-20KV-277
(Surge Protection 20KV 120-277V)

Ceiling Mount Kit



P10335 MT-2X2BOX-4.5in
(2'x2' Panel Surface Mount Kit)

P10336 MT-2X4BOX-4.5in
(2'x4' Panel Surface Mount Kit)

PIC Plug In Connector Sensor with Daylight Harvesting



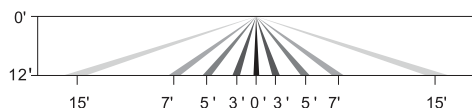
P10673 SEN-ANT-15P-R2-PIC2

Factory Default Setting:

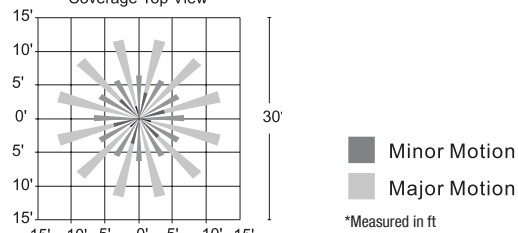
Power: 100%
Sensitivity: 100%
Hold time: 5min
LUX mode: Disable
Dim Level: 30%
Dim Time: Infinity

COVERAGE PATTERNS

Coverage Side View



Coverage Top View



P10632 SEN-BRI-RC200

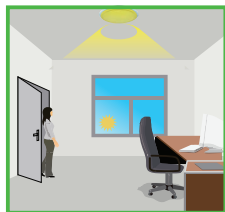
Specifications:

2 x AAA 1.5V Battery (Alkaline Preferred) *Batteries not included
Up to 50ft (50m), Dimensions: 4.84"x2.76"x0.91"

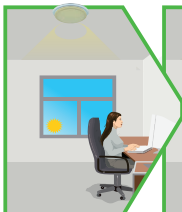
Remote control needed to change default sensor settings

DAYLIGHT HARVESTING FUNCTION

Choose the daylight harvesting function on RC-200, you can set the "LUX MODE" is "D_Harvest".



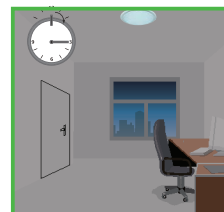
When the natural light is sufficient or dark, movement is detected and the light will turn on 100% brightness.



The light turns on at full or dims to maintain the lux level. The light output regulates according to the level of natural light available.



The light dims to stand-by period after hold-time and stays on selected minimum dimming level



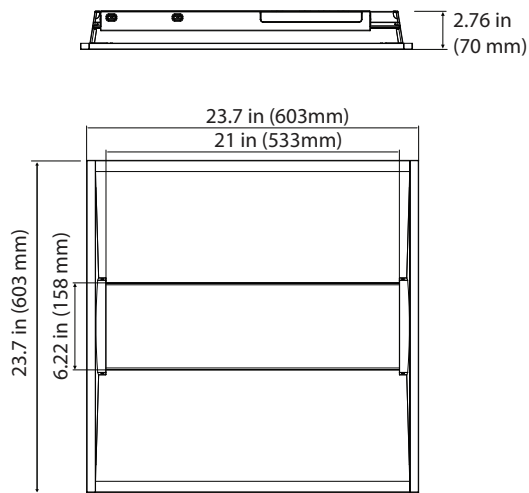
The light switches off completely after the stand-by period.

Settings on this demonstration:

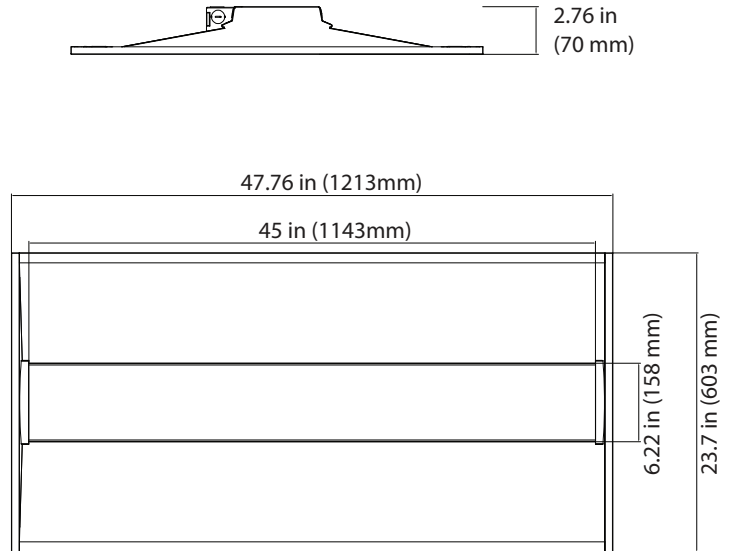
Power: 100%
Sensitivity: 100%
Hold time: 30min
LUX mode: D_Harvest
LUX: 100 LUX
Dim Level: 30%
Dim Time: 15min

DIMENSIONS

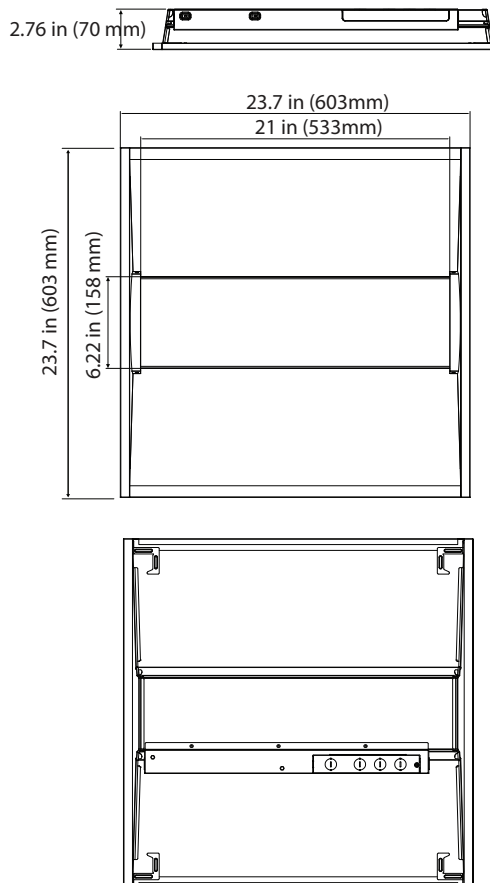
40 Watt Selectable 5.23-lbs



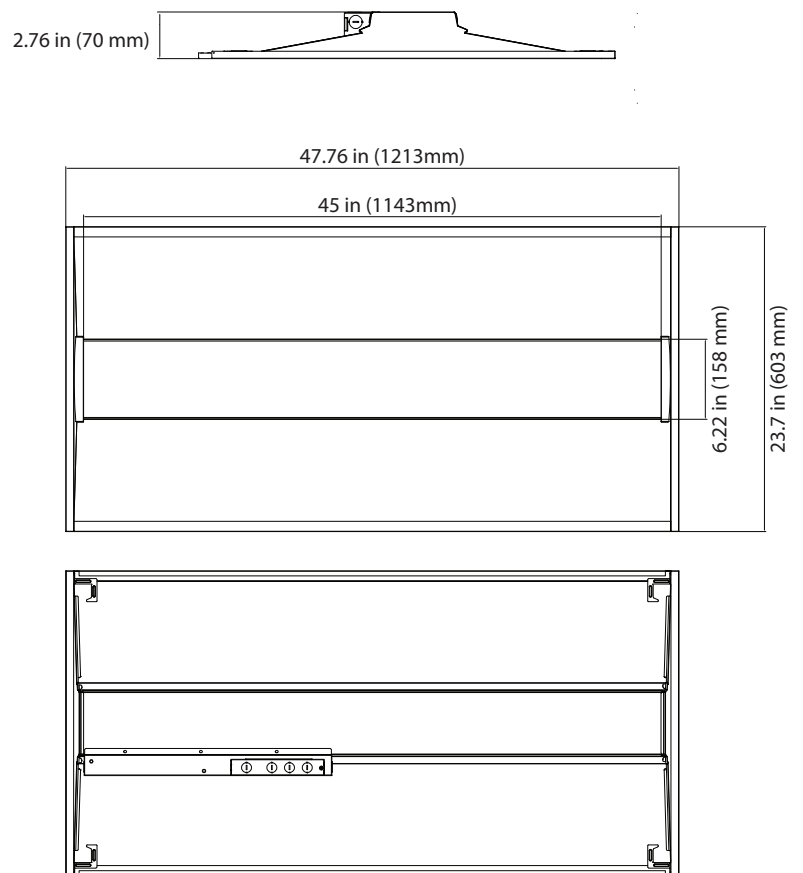
50 Watt Selectable 8.74-lbs



40 Watt Selectable with PIR Sensor 5.23-lbs

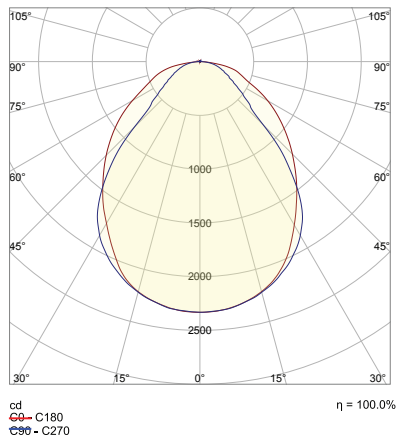


50 Watt Selectable with PIR Sensor 8.74-lbs

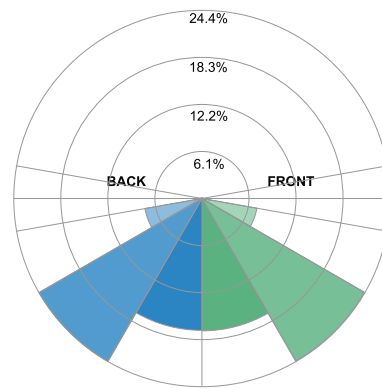


PHOTOMETRICS

2'x2'



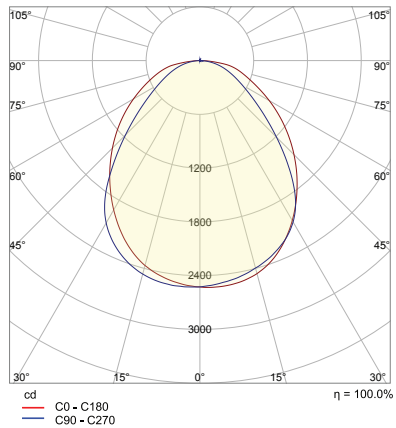
BUG rating B2 U1 G1



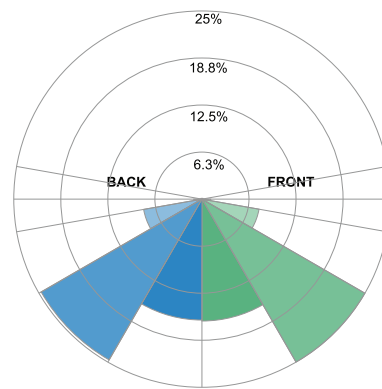
	Center Beam fc	Beam Width
1.67M	77.9 fc	3.55 M 2.98 M
3.33M	19.5 fc	7.09 M 5.96 M
5.00M	8.67 fc	10.63 M 8.94 M
6.67M	4.87 fc	14.18 M 11.92 M
8.33M	3.12 fc	17.72 M 14.91 M
10.00M	2.17 fc	21.27 M 17.89 M

■ Vert. Spread: 93.5°
■ Horiz. Spread: 83.6°

2'x4'



BUG rating B2 U1 G1



	Center Beam fc	Beam Width
1.67M	84.4 fc	3.88 M 3.21 M
3.33M	21.1 fc	7.75 M 6.41 M
5.00M	9.39 fc	11.63 M 9.61 M
6.67M	5.28 fc	15.50 M 12.82 M
8.33M	3.38 fc	19.38 M 16.02 M
10.00M	2.35 fc	23.26 M 19.23 M

■ Vert. Spread: 98.6°
■ Horiz. Spread: 87.8°

PACKAGE

	Master Carton (pc)	Dimensions (in)	Weight (lb)
2'x2'	2	25.2" x 24.2" x 5.7"	12.89
2'x4'	2	25.2" x 48.2" x 5.7"	21.05

