



Retrofit Troffer

RFT-LED



Available in sizes: 1'x4', 2'x2', 2'x4'

Upgrade existing troffer fixtures quickly and efficiently with RAB Design's RFT Retrofit Troffer, designed for fast installation, exceptional energy savings, and superior lighting performance. The RFT offers a simple and cost-effective solution for modernizing outdated fluorescent fixtures. Delivering up to 145 LM/W, the RFT maximizes energy efficiency while providing bright, uniform illumination. Ideal for offices, schools, healthcare facilities, and commercial spaces. Available in multiple sizes and wattage options.

IDEAL APPLICATIONS

- ✓ Hospitals

✓ Offices

✓ Schools
- ✓ Retail Spaces

✓ Convenience Stores

✓ Commercial Spaces

SPECIFICATIONS

	RFT14	RFT22	RFT24	AMBIENT OPERATING TEMPERATURE		
Size	1'x4'	2'x2'	2'x4'	-20°C to 40°C (-4°F to 104°F)		
PERFORMANCE				MOUNTING		
Light Output	5800/4350/2900 lm		7500/6000/4500 lm	Recessed in T-bar grid ceiling using existing housing & provided safety cables		
Efficacy	145 lm/W		150 lm/W	CERTIFICATIONS		
CCT	3500K/4000K/5000K (CCT Selectable)			cULus Listed for Canada, per CSA C22.2 No. 250.0		
Beam Angle	120°			DLC Standard		
LED Lifetime (L80)	>100,000 Hrs			CONTROLS		
CRI	86	83	85	Dimming	0-10V (0-100% Dimming, Dim to Off)	
ELECTRICAL				Sensor	Microwave Motion Sensor (RC-100 remote is needed to change default settings)	
Wattage	40/30/20W		50/40/30W	LUMEN MAINTENANCE		
Voltage	120-347 V			L90	L80	L70
Surge Protection	2kV (Built-in Driver) as per IEC/EN61000-4-5			>50000 Hrs	>100000 Hrs	>100000 Hrs
Power Factor	≥0.9			MAXIMUM AMPERAGE DRAW (A)		
THD	<15%			120V	0.35	0.44
CONSTRUCTION				208V	0.20	0.25
Housing	Powder Coated Steel Back housing			240V	0.18	0.22
Finish	White			277V	0.12	0.19
Lens	Frosted Polycarbonate			347V	0.09	0.15

Notes: - Electrical and light performance data is based on LM79 test reports, measured at maximum wattage, 4000K, and 120V.
 - Life hours are derived from IESNA LM-80 testing report and projected per IESNA TM-21 calculations.



ORDERING GUIDE

		H	VK	DIM	DHFS
Fixture	Wattage	Voltage	Colour Temp.	Dimming	Controls
RFT14 (1' X 4')	LED40A20 (40/30/20W)	H - 120-347V	VK - Colour Selectable (3500K/ 4000K/5000K)	DIM - 0-10V Dimming	DHFS - Dimming High Frequency Microwave Motion Sensor
RFT22 (2' X 2')					
RFT24 (2' X 4')	LED50A30 (50/40/30W)				

Default Setting: Maximum Wattage,4000K

STOCK CODES

085014	RFT14-LED40A20-H-VK-DIM-DHFS
085022	RFT22-LED40A20-H-VK-DIM-DHFS
085024	RFT24-LED50A30-H-VK-DIM-DHFS

INCLUDED IN THE BOX

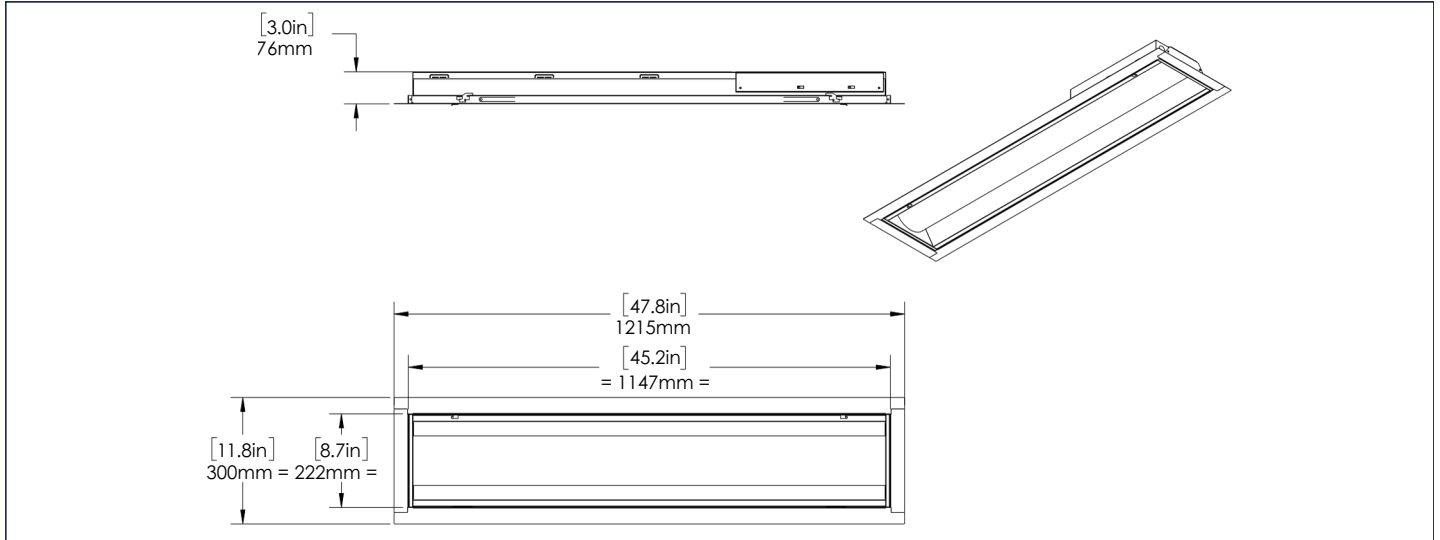
HARDWARE	
SIDE BRACKETS TO INSTALL THE FIXTURE	

ACCESSORIES SOLD SEPARATELY

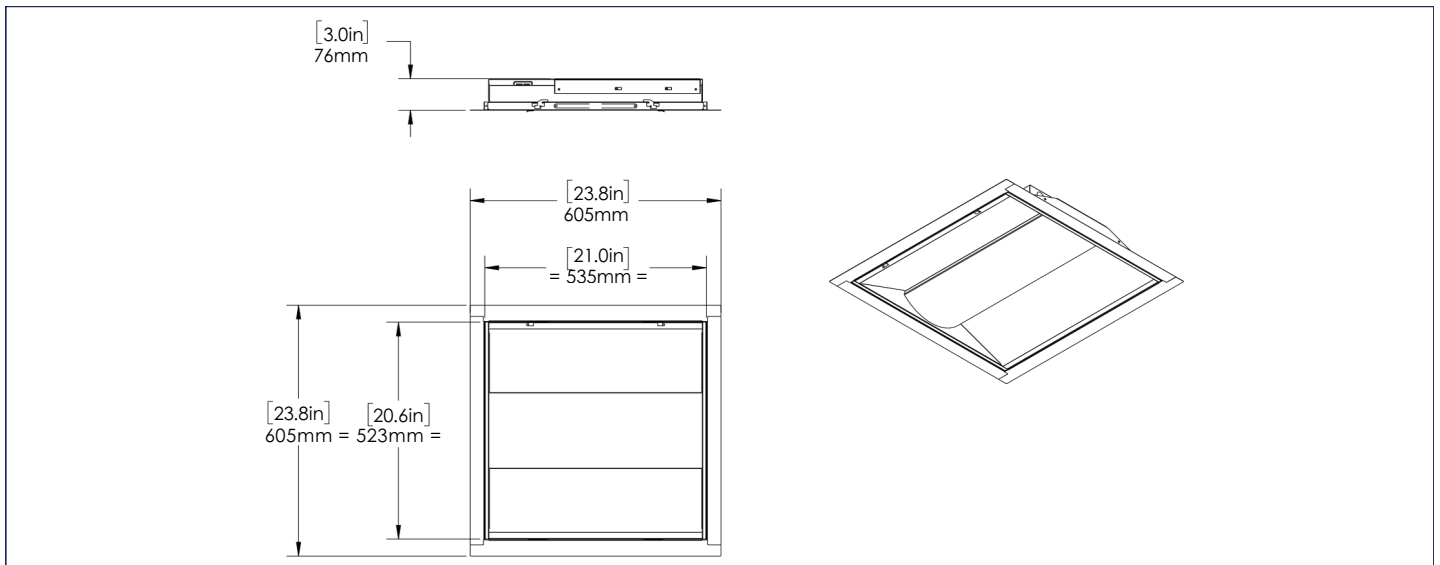
087016	RC-100 MOTION SENSOR REMOTE CONTROL	
--------	--	---

DIMENSIONS

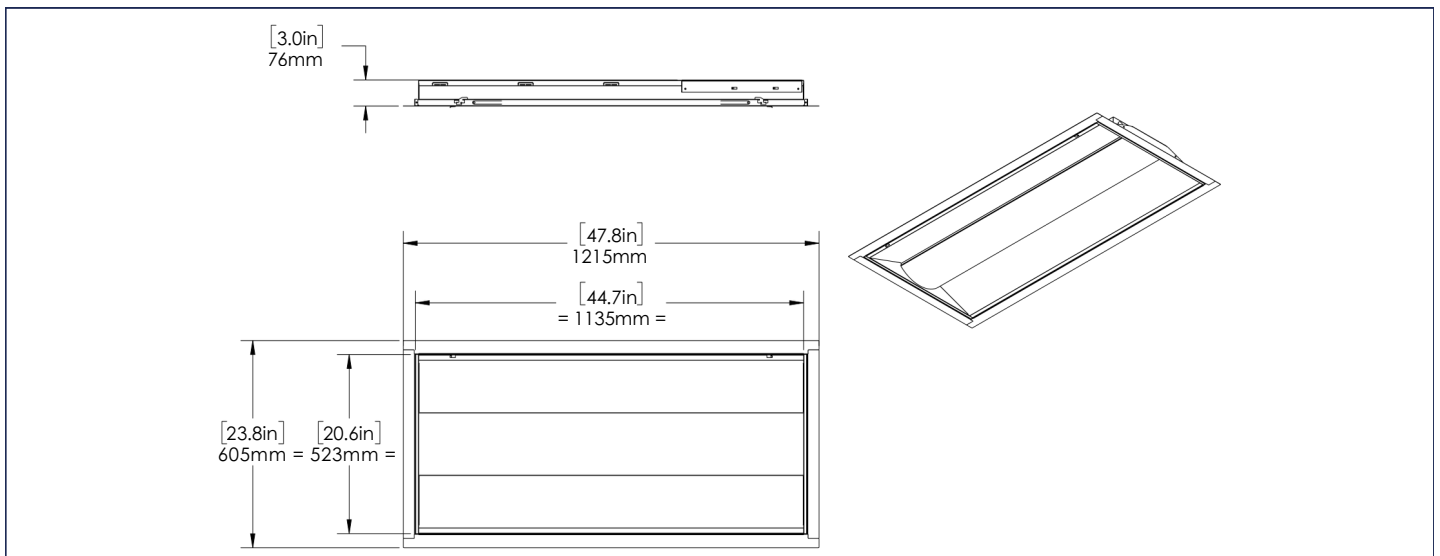
RFT14

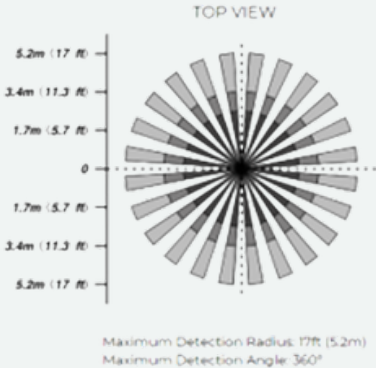
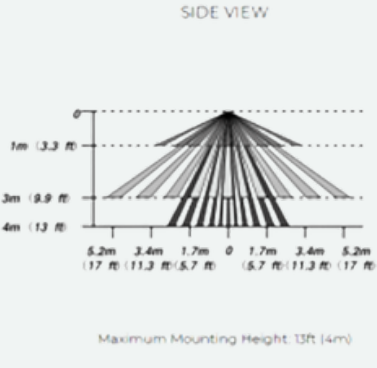


RFT22



RFT24



MOTION SENSOR SPECIFICATIONS	
Sensor Type	Microwave Motion Sensor
Microwave Frequency	5.8GHz +/- 75MHz
Operating Voltage	12-24V DC
Operating Current	25mA Max. Sinking Current
Output Voltage	0-10V
Detection Range	TOP VIEW  Maximum Detection Radius: 17ft (5.2m) Maximum Detection Angle: 360° SIDE VIEW  Maximum Mounting Height: 13ft (4m)
Ambient Operating Temperature	-40°C to 70°C (-40°F to 158°F)
Indoor Use	50ft. (15m) Indoor, No Backlight

DEFAULT FACTORY SETTINGS	
Sensitivity	100%
Hold Time	15mins
Daylight Sensor	Disabled
Standby Dim	50%
Standby Time	60min

PHOTOMETRIC PLOTS

