

Lightcloud Blue, Smartshift, SWISH® Center Basket Troffer



2'X2'



2'X4'



Field-Adjustable and Tunable White Center Basket



* TUNABLE WHITE:
50,000 HRS

PROJECT:

DATE:

TYPE:

PREPARED BY:



KEY FEATURES

- Available in two sizes & selectable wattages:
SWISHFA2X2: 39/29/19W
2X4: 49/39/29W
- CCT: 3500/4000/5000K selectable
- Also available with static wattage and tunable white 2700-6500K. Fully dimmable using the Lightcloud Blue app.
2X2: 40W
2X4: 50W
- Battery backup** option offered
- Available with **Microwave** and **passive infrared** occupancy sensors
- Available with network **wireless lighting control**
- 5-year, no-compromise warranty**

PERFORMANCE

SWISHFA2X2	3500K	4000K	5000K	3500K	4000K	5000K	3500K	4000K	5000K
INPUT WATTS									
LUMENS	4,463	4,913	4,691	3,677	3,954	3,816	2,432	2,573	2,529
LM/W	116	133	122	123	136	128	129	139	134
CRI	83	85	84	84	85	84	84	86	84
VOLTAGE RATINGS									
SWISHFA2X4	3500K	4000K	5000K	3500K	4000K	5000K	3500K	4000K	5000K
INPUT WATTS									
LUMENS	5,702	5,882	5,806	4,875	5,263	5,072	3,484	3,677	3,624
LM/W	119	137	125	125	139	130	133	144	138
CRI	83	85	84	84	85	84	84	85	84
VOLTAGE RATINGS									

SWISHFA2X2 SS 40W	Tunable 2700-6500K
INPUT WATTS	40W
LUMENS	4,400
LM/W	110.0
CRI	>80
VOLTAGE RATINGS	120-277V

SWISHFA2X4 SS 50W	Tunable 2700-6500K
INPUT WATTS	50W
LUMENS	5,500
LM/W	110.0
CRI	>80
VOLTAGE RATINGS	120-277V

TECHNICAL SPECIFICATIONS**COMPLIANCE****UL Listed**

Suitable for dry and damp locations

FCC Compliant

Complies with part 15 of the FCC rules

RoHS compliant

Mercury and UV free

IESNA LM-79 & LM-80 testing

Components have been tested by an independent laboratory in accordance with IESNA LM-79 & LM-80

DLC

This product is on the Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities. Designed to meet DLC 5.1 requirements.

SWISHFA2X2: PD0NA0YP

SWISHFA2X4: P7UHVBH0

FIELD-ADJUSTABILITY**Field Adjustable:**

2'x2': 19W/29W/39W (factory default 29W)

2'x4': 29W/39W/49W (factory default: 39W)

Color temperature: Selectable by 3500/4000/5000K (factory default 4000K)

Tunable White:

2'x2': 40W

2'x4': 50W

Color temperature: Tunable 2700-6500K (Default 3000K)

CONSTRUCTION**Cold Weather Starting Temperature**

Minimum starting temperature is -20°C (-4°F)

Maximum Ambient Temperature

Suitable for use in up to 40°C (104°F)

Mounting

Recessed into T-grid ceiling. Surface and recessed mounting kits for drywall ceilings, sold separately

Lens

Frosted Polystyrene

Housing / Finish

Sheet metal and extruded aluminum / White

Green Technology

Mercury and UV free. RoHs-compliant components

Reflector:

Aluminum with high reflectance white finish, optimized for uniform distribution

Finish

Formulated for high durability and long lasting color

LED CHARACTERISTICS**LEDs**

Long-life, high-efficacy, discrete, surface-mount LEDs

Color Stability

LED color temperature is warrantied to shift no more than 200K in color temperature over a 5-year period

ELECTRICAL**Drivers:****SWISHFA:**

Class 2, Constant Current, 120-277V, 50/60Hz
 19W: 120V: 0.16A, 208V: 0.10A, 240V: 0.08A, 277V: 0.07A
 29W: 120V: 0.25A, 208V: 0.15A, 240V: 0.13A, 277V: 0.12A
 39W: 120V: 0.33A, 208V: 0.20A, 240V: 0.17A, 277V: 0.15A
 49W: 120V: 0.39A, 208V: 0.24A, 240V: 0.21A, 277V: 0.17A

SWISHFA SS (Color Tunable):

Class 2, Constant Current, 120-277V, 50/60Hz
 40W: 120V: 0.37A, 208V: 0.22A, 240V: 0.19A, 277V: 0.17A
 50W: 120V: 0.45A, 208V: 0.26A, 240V: 0.23A, 277V: 0.21A

Dimming Driver *:

Driver includes dimming control wiring for 0-10V dimming systems. Requires separate 0-10V DC dimming circuit. Dims down to 10%

(* Dimming specs does not apply to the LCB version models)

THD:

2'x2': 4.65% at 120V, 16.05% at 277V
 2'X4': 2.93% at 120V, 5.63% at 277V

Power Factor:

2'x2': 99.8% at 120V, 97.4% at 277V
 2'X4': 99.69% at 120V, 95.2% at 277V

Battery Backup:

Battery backup will operate the LED Lamp for 90 minutes if power fails. Wired for 120-277V.

Battery Backup Light Loss Factor:

2'x2':
 19W: 0.50
 29W: 0.33
 39W: 0.26

2'X4':
 29W: 0.67
 39W: 0.50

TECHNICAL SPECIFICATIONS

WIRELESS NETWORK LIGHTING CONTROLS

Lightcloud products offer integrated network lighting control for a truly wireless solution that allows you to control RAB's various compatible devices. With RAB's patented Rapid Provisioning technology, devices can be quickly and easily commissioned for residential and commercial applications. Each device can then communicate with other devices in the mesh network. With two Lightcloud systems to choose from, it's easy to implement controls within any application.

DLC system - N1XMLOEATBA (Interior); NHCZ2BIA17L (Exterior)

Learn more at www.lightcloud.com

Lightcloud Blue (/LCB)

- Utilizes Bluetooth Mesh, eliminating the need for a Gateway or Hub.
- Ideal for applications that need basic wireless control such as ON/OFF, dimming, color tuning, Schedules, and SmartShift.
- Download the Lightcloud Blue mobile app for iOS or Android devices.

Lightcloud Enterprise (/LC)

- Utilizes a secure cellular and Zigbee mesh network that requires a Gateway or Hub (sold separately).
- Offers premium features like remote commissioning, demand response, BACnet integration, and more.
- Download the Lightcloud Enterprise mobile app for iOS or Android devices.

OCCUPANCY SENSORS

Sensor Type: Passive Infrared (PIR) or Microwave (MVS)

Input Voltage: 12VDC

Operating Frequency: 50/60Hz

Operating Temperature: -22°F to 104°F (-30°C to 40°C)

Max Mounting Height: 9 ft. to 12 ft.

Detection Range: 20 ft. diameter at 9 ft. mounting height

OCCUPANCY SENSORS

Daylight Sensing: The sensor will determine to trigger the light(s) on or not based on the daylight threshold level set. Closed loop daylight harvesting with continuous dimming available with Lightcloud Blue. Specify settings using the Lightcloud Blue mobile app.

Default Settings:

Motion Sensitivity: High

Brightness when triggered : 100%

Hold time: 20 minutes

Standby to dim: 20%

Standby time: 1 minute

When vacant: Off

Daylight: Disabled

Adjustable Settings: Settings for Lightcloud Blue-enabled sensors can be adjusted using the mobile app. All other sensors will require MSR1 Remote (sold separately) to adjust the following sensor settings:

OTHER

Warranty

RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish. RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty.

Lifespan

100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations. 50,000-hour lifespan for the tunable version.

ACCESSORIES (to be ordered separately)

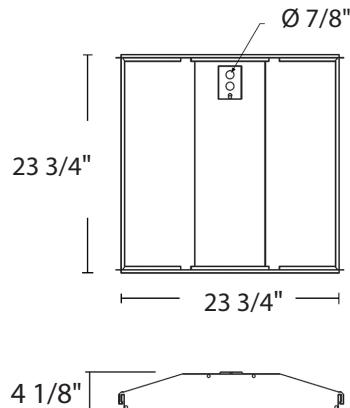
Image	SKU#	UPC	Description
	MSR1	192552026055	MULTI SENSOR REMOTE CONTROL IP20
	SMKPANEL2X2	019813104973	LPANEL 2X2 SURFACE MOUNTING KIT WHITE
	SMKPANEL2X4	019813295831	LPANEL 2X4 SURFACE MOUNTING KIT WHITE
	RMKPANEL2X2	019813104966	LPANEL 2X2 RECESS ED MOUNTING KIT WHITE
	RMKPANEL2X4	019813104980	LPANEL 2X4 RECESS ED MOUNTING KIT WHITE

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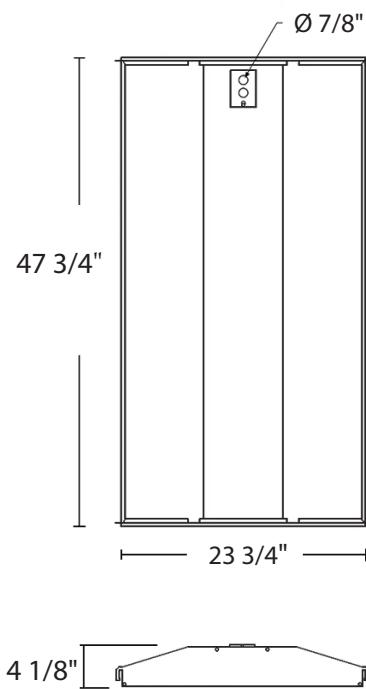
RAB®

DIMENSIONS

Model: 2'X2'
Weight: 14.0 lbs



Model: 2'X4'
Weight: 23.0 lbs



ORDERING MATRIX

SWISHFA w>Selectable CCT

Family	Size / Wattage	Color Temperature	Finish	Driver	Options	Battery Backup
SWISHFA				/D10		
2X2	2' x 2', 39/29/19W Selectable	BLANK 3500/4000/5000K Adjustable	BLANK White	/D10 120-277V, 0-10V Dimming	BLANK /MVS /LC	No Option Microwave Sensor Lightcloud
2X4	2' x 4', 49/39/29W Selectable					/E2 BLANK No Option Battery Backup

SWISHFA w>Tunable White

Family	Size / Wattage	Color Temperature	Finish	Driver	Options	Battery Backup
SWISHFA						
2X2	2' x 2', 40W	BLANK	White	BLANK 120-277V /LCB /LCBS	Lightcloud Blue	BLANK No Option
2X4	2' x 4', 50W	Tunable White 2700-6500K	BLANK	/LCBS/MVS	Lightcloud Blue w/PIR Sensor Lightcloud Blue w/MVS Sensor	/E Battery Backup