

SWISH® Field-Adjustable Center Basket



2'X2'



1'X4'



2'X4'



PROJECT:

DATE:

TYPE:

PREPARED BY:



KEY FEATURES

- Available in three sizes & selectable wattages:
2X2: 39/29/19W
1X4: 39/29/19W
2X4: 49/39/29W
- CCT: 3500/4000/5000K Adjustable
- Also available with static wattage and tunable white 3000-6500K. Fully dimmable using **Lightcloud Blue** mobile app.
2X2: 40W
1X4: 40W
2X4: 50W
- Battery backup** option offered
- Microwave occupancy sensor** available
- Available with **Lightcloud** & **Lightcloud Blue**-enabled occupancy sensors
- 5-year, no-compromise warranty

Field-Adjustable Center Basket w/Lightcloud Blue Models



PERFORMANCE

SWISHFA2X2	3500K	4000K	5000K	3500K	4000K	5000K	3500K	4000K	5000K
WATTAGE	39W			29W			19W		
INPUT WATTS	38W	37W	39W	30W	29W	30W	19W	19W	19W
LUMENS	4,463	4,913	4,691	3,677	3,954	3,816	2,432	2,573	2,529
EFFICACY	116.0	133.0	122.0	123.0	136.0	128.0	129.0	139.0	134.0
CRI	83	85	84	84	85	84	84	86	84
VOLTAGE RATINGS	120-277V								

SWISHFA1X4	3500K	4000K	5000K	3500K	4000K	5000K	3500K	4000K	5000K
WATTAGE	39W			29W			19W		
INPUT WATTS	36.4W	35.1W	36.4W	28.3W	27.4W	28.3W	18.6W	18.2W	18.6W
LUMENS	5,292	5,668	5,442	4,300	4,511	4,392	2,916	3,022	2,980
EFFICACY	145.4	161.5	149.5	151.9	164.6	155.2	156.8	166.0	160.2
CRI	83	85	84	84	85	84	84	85	84
VOLTAGE RATINGS	120-277V								

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PERFORMANCE (CONTINUED)

SWISHFA2X4	3500K	4000K	5000K	3500K	4000K	5000K	3500K	4000K	5000K
WATTAGE	49W			39W			29W		
INPUT WATTS	48W	43W	46W	29W	38W	39W	26W	296W	26W
LUMENS	5,702	5,882	5,806	4,875	5,263	5,072	3,484	3,677	3,624
EFFICACY	119	137	125	125	139	130	133	144	138
CRI	83	85	84	84	85	84	84	85	84
VOLTAGE RATINGS	120-277V								

SWISHFA2X2/LCB	3000K	3500K	4000K	4500K	5000K	5700K	6500K
WATTAGE	40W						
INPUT WATTS	38.5W	38.4W	38.7W	38.8W	38.9W	39.0W	39.2W
LUMENS	4,304	4,357	4,468	4,539	4,585	4,624	4,681
EFFICACY	111.8	113.5	115.5	117.0	117.9	118.6	119.4
CRI	82	83	85	85	85	86	84
VOLTAGE RATINGS	120-277V						

SWISHFA1X4/LCB	3000K	3500K	4000K	4500K	5000K	5700K	6500K
WATTAGE	40W						
INPUT WATTS	39.7W	39.4W	39.5W	39.4W	39.5W	39.4W	39.9W
LUMENS	5,006	4,998	5,054	5,069	5,074	5,051	5,108
EFFICACY	126.1	126.9	127.9	128.7	128.5	128.2	128.0
CRI	82	84	85	85	885	85	83
VOLTAGE RATINGS	120-277V						

SWISHFA2X4/LCB	3000K	3500K	4000K	4500K	5000K	5700K	6500K
WATTAGE	50W						
INPUT WATTS	46.3W	45.9W	46.3W	46.4W	46.5W	46.5W	46.8W
LUMENS	5,626	5,656	5,779	5,870	5,936	5,973	6,065
EFFICACY	121.5	123.2	124.8	126.5	127.7	128.5	129.6
CRI	82	83	84	85	85	85	84
VOLTAGE RATINGS	120-277V						

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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. RoHS-compliant components.

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: P7UHV BH0

SMART SHIFT MODELS:

SWISHFA2X2: S-YMPRVZ

SWISHFA1X4: S-73GYQS

SWISHFA2X4: S-6GZ77F

CONSTRUCTION

Cold Weather Statting

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

Cold Weather Statting w/Battery Backup

Minimum starting temperature is 0°C (32°F)

Maximum Ambient Temperature

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

Maximum Ambient Temperature w/Battery Backup

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 / White

Green Technology

Mercury and UV free. RoHS-compliant components.

Reflector:

Metal 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 warranted to shift no more than 200K in color temperature over a 5-year period

FIELD ADJUSTABILITY

Field Adjustable:

2X2: 19W/29W/39W (factory default 29W)

1X4: 19W/29W/39W (factory default 29W)

2X4: 29W/39W/49W (factory default: 39W)

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

ELECTRICAL

Drivers:

SWISHFA:

Class 2, Constant Current, 120-277V, 50/60Hz

19W: 120V: 0.16A, 208V: 0.09A, 240V: 0.08A, 277V: 0.07A

29W: 120V: 0.24A, 208V: 0.14A, 240V: 0.12A, 277V: 0.11A

39W: 120V: 0.33A, 208V: 0.19A, 240V: 0.16A, 277V: 0.14A

49W: 120V: 0.42A, 208V: 0.24A, 240V: 0.21A, 277V: 0.18A

SWISHFA SS (Color Tunable):

Class 2, Constant Current, 120-277V, 50/60Hz

2X2 (40W): 120V: 0.37A, 208V: 0.22A, 240V: 0.19A, 277V: 0.17A

1X4 (40W): 120V: 0.33A, 208V: 0.16A, 240V: 0.17A, 277V: 0.14A

2X4 (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%.

THD:

2X2 : 4.65% at 120V, 16.05% at 277V

1X4 : 11.9% at 120V, 7.84% at 277V

2X4 : 2.93% at 120V, 5.63% at 277V

THD (Smart Shift models):

<30%

Power Factor:

2X2 : 99.8% at 120V, 97.4% at 277V

1X4 : 99.2% at 120V, 96.4% at 277V

2X4 : 99.69% at 120V, 95.2% at 277V

Power Factor (Smart Shift models):

>95.0%

Surge Protection

DM:2kV CM:4kV

Battery Backup:

Battery backup will operate the LED Lamp for 90 minutes if power falls.

Wired for 120-277V.

Battery Backup Light Loss Factor:

2X2 :

19W: 0.42

29W: 0.28

39W: 0.21

1X4 :

19W: 0.42

29W: 0.28

39W: 0.21

2X4 :

29W: 0.55

39W: 0.41

49W: 0.32

OTHER

Warranty

The RAB 5-year, limited warranty covers light output, driver performance and paint 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 -21 calculations

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WIRELESS NETWORK LIGHTING CONTROLS

Lightcloud products offer integrated network lighting control for a truly wireless solution that allows you to manage 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 communicate with other devices in the mesh network. With two Lightcloud systems to choose from, it's easy to implement controls anywhere.

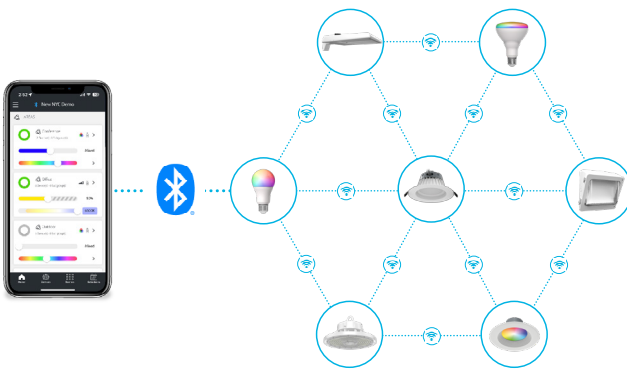


Learn more about Lightcloud wireless networked lighting controls.

Design Lights Consortium Network Lighting Controls:

- Interior Applications: N1XMLOEATB
- Exterior Applications: NHCZ2BIA17L

Lightcloud®



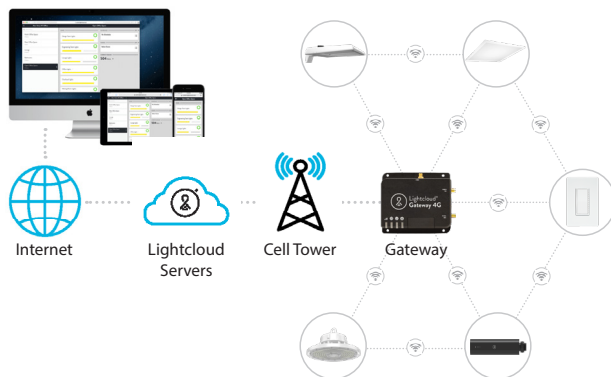
- Utilizes Bluetooth Mesh, eliminating the need for a Gateway or Hub
- Ideal for applications that need basic wireless control such as ON/OFF, dimming, color tuning, Schedules, and SmartShift
- Download the Lightcloud Blue mobile app for iOS or Android devices
- Add the XDIM/BRIDGE/LCB and LCGATEWAY to adopt premium Lightcloud Enterprise features

SIMPLE SETUP



Learn more about [Lightcloud Blue](#). Visit the [Lightcloud Blue Resources](#) page for more information on how to use the system.

Lightcloud®



- 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

SIMPLE SETUP



Learn more about [Lightcloud Enterprise](#). Visit the [Lightcloud Enterprise Resources](#) page for more information on how to use the system.

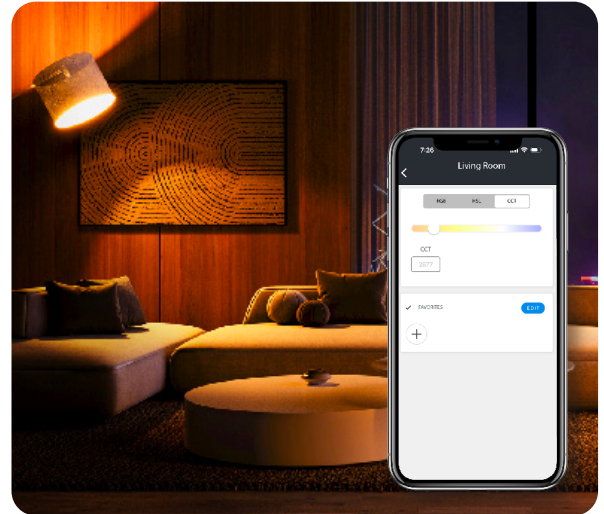
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COLOR TUNING

Products available with color tuning options offer endless possibilities to enhance any application. Create Scenes and Schedules from the Lightcloud interface and choose the desired color temperature (2200K-6500K*) or up to 16+ million colors*. [Explore RGB color-tuning products.](#)

**Color options may vary by product, see individual product specification sheet for more details.*



SmartShift is the first lighting technology that can promote better sleep, health and happiness. Once installed alongside a Lightcloud control system, it automatically tunes the color and intensity of indoor lights throughout the day, mimicking the sun's changing light as it rises and sets. [Learn more about SmartShift.](#)



2700K








6500K

2700K

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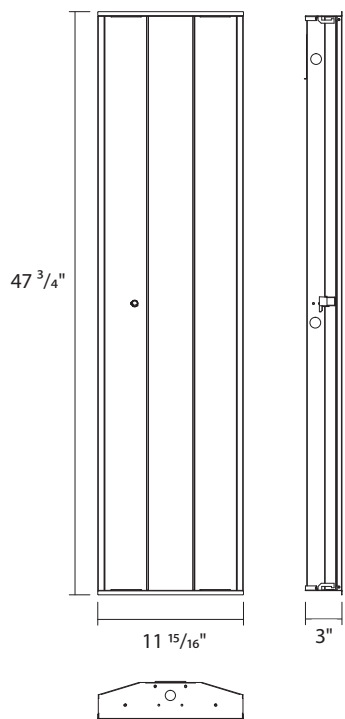
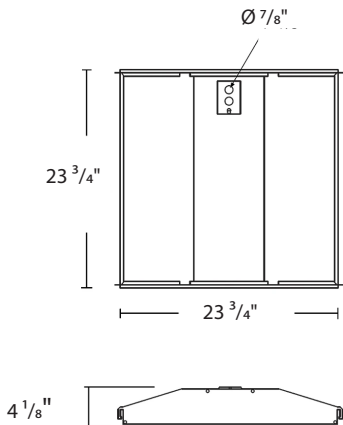


ACCESSORIES (to be ordered separately)

Image	SKU#	UPC	Description
	MVSREM	019813490991	MVS SENSOR REMOTE CONTROL
	SMKPANEL2X2	019813104973	LPANEL 2X2 SURFACE MOUNTING KIT WHITE
	SMKPANEL1X4	019813295824	LPANEL 1X4 SURFACE MOUNTING KIT WHITE
	SMKPANEL2X4	019813295831	LPANEL 2X4 SURFACE MOUNTING KIT WHITE
	RMKPANEL2X2	019813104966	LPANEL 2X2 RECESS ED MOUNTING KIT WHITE
	RMKPANEL1X4	'019813104997	LPANEL 1X4 RECESS ED MOUNTING KIT WHITE
	RMKPANEL2X4	019813104980	LPANEL 2X4 RECESS ED MOUNTING KIT WHITE

Model: 2'X2'
Weight: 9.2 lbs
Weight: 10.9 lbs w/Battery Backup

Model: 1'X4'
Weight: 10.2 lbs
Weight: 11.4 lbs w/Battery Backup



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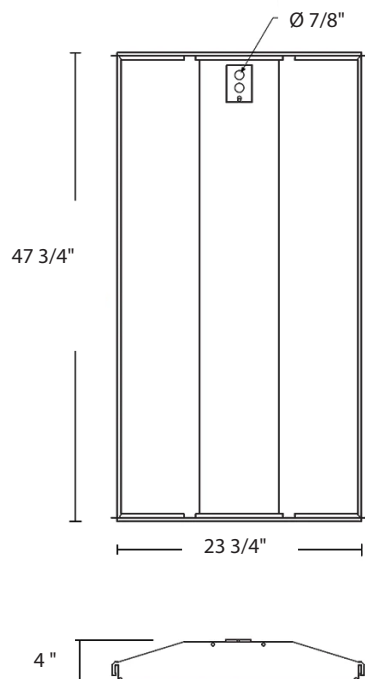


DIMENSIONS

Model: 2'X4'

Weight: 19.2 lbs

Weight: 20.9 lbs w/Battery Backup



ORDERING MATRIX

SWISHFA w/Adjustable CCT

Family	Size / Wattage		Color Temperature		Driver	Controls		Battery Backup		
SWISHFA					/D10					
	1X4	1' x 4', 39/29/19W	BLANK	3500/4000/5000K CCT Adjustable	/D10	120-277V, 0-10V Dimming	Blank /MVS /LC	No Option Microwave Sensor Lightcloud	Blank /E2	No Option Battery Backup*
	2X2	2' x 2', 39/29/19W								
	2X4	2' x 2', 49/39/29W								

* Battery Backup option not available with MVS & LC

SWISHFA w/Tunable White

Family	Size / Wattage		Color Temperature		Driver		Controls		Battery Backup	
SWISHFA										
	1X4	2'X2', 40W	BLANK	3000-6500K Tunable White	Blank	120-277V, 0-10V Dimming	/LCB /LCBS /LCBS/MVS	Lightcloud®Blue Lightcloud®Blue w/PIR Sensor Lightcloud®Blue w/MVS Sensor	Blank /E	No Option Battery Backup
	2X2	2'X2', 40W								
	2X4	2'X4', 50W								