

# 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 |       |       |       |       |       |       |       |       |

# SWISH® Field-Adjustable Center Basket



## 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 |       |       |       |       |       |       |

## 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 Listed

This product family is listed with the DesignLights Consortium (DLC). Individual SKUs within this family may carry either a DLC Standard or DLC Premium qualification. Please refer to the individual product specification sheet or the DLC Qualified Products List (QPL) at [designlights.org](http://designlights.org) to confirm the qualification status of a specific SKU prior to specification or purchase.

### 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](http://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.

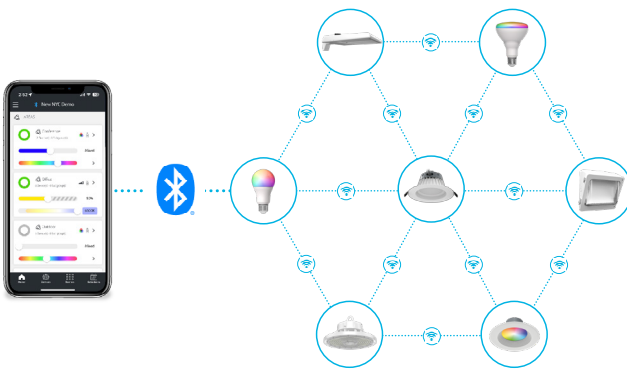


Learn more about Lightcloud wireless networked lighting controls.

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.

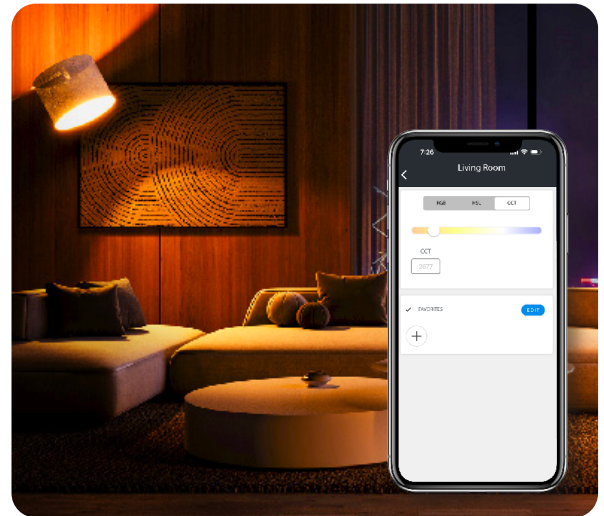
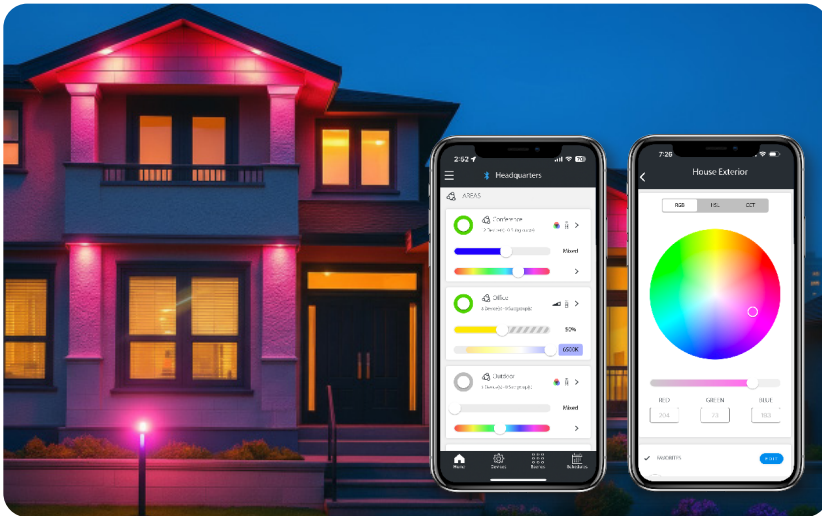
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## COLOR TUNING

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

# SWISH® Field-Adjustable Center Basket

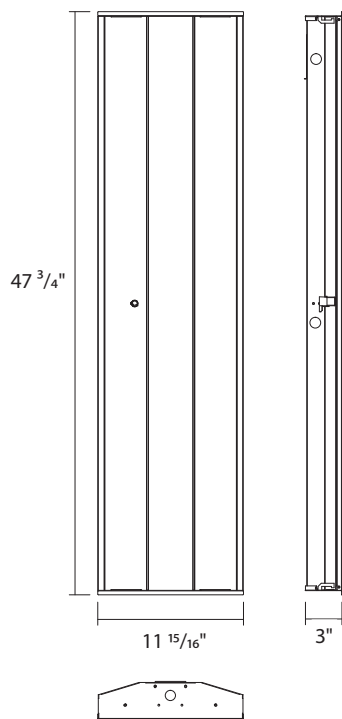
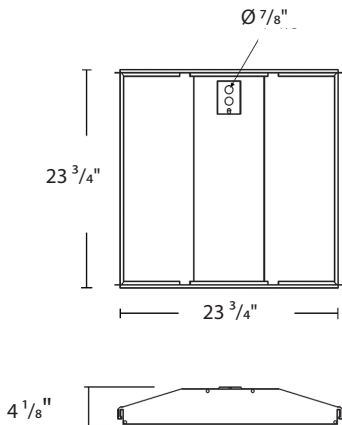


## ACCESSORIES (to be ordered separately)

| 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



# SWISH® Field-Adjustable Center Basket

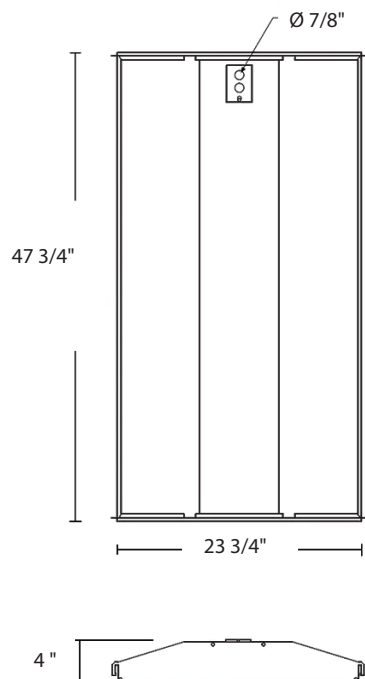


## DIMENSIONS

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<br>CCT Adjustable | /D10   | 120-277V,<br>0-10V Dimming | Blank<br>/MVS<br>/LC | No Option<br>Microwave Sensor<br>Lightcloud | Blank<br>/E2 | No Option<br>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<br>Tunable White | Blank  | 120-277V,<br>0-10V Dimming | /LCB<br>/LCBS<br><br>/LCBS/MVS | Lightcloud®Blue<br>Lightcloud®Blue<br>w/PIR Sensor<br>Lightcloud®Blue<br>w/MVS Sensor | Blank<br>/E    | No Option<br>Battery Backup |
|         | 2X2            | 2'X2', 40W |                   |                             |        |                            |                                |                                                                                       |                |                             |
|         | 2X4            | 2'X4', 50W |                   |                             |        |                            |                                |                                                                                       |                |                             |