SWISHFA2X4/LCB

RAB®

Color: White   Weight: 23.0 lbs

Project:	Type:
Prepared By:	Date:

Driver Info

Type	Constant Current
120V	0.45A
208V	0.26A
240V	0.23A
277V	021A
Input Watts	50W

LED Info

Watts	50W
Color Temp	SmartShift
Color Accuracy	80 CRI
L70 Lifespan	100,000 Hours
Lumens	5,500 lm
Efficacy	110

Technical Specifications

Lightcloud

Lightcloud Blue:
Lightcloud Blue is a Bluetooth Mesh wireless lighting control system 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 large commercial applications using the Lightcloud Blue mobile app. Each device in a system can communicate with any other device, eliminating the need for a Gateway or Hub and maximizing the control system's reach.
DLC system - N1XMLOEATBA
Learn more at www.lightcloud.com

Gateway Required:
No

Communication Protocol:
Bluetooth Mesh

Range:
Up to 60 feet between standard building materials. Building materials such as brick, concrete, and steel construction may require additional Lightcloud Blue devices to extend around an obstruction.
Up to 200 feet clear line of sight (varies by device).

Spacing Criteria:
Lightcloud Blue devices should be placed within the specified range to communicate within the Bluetooth Mesh network.

Factory Reset:
Method 1: Delete from App
Open the app and access the device settings for the paired device. Be sure that the device is online and select 'Delete'. The device will flash on/off 5 times and return to full brightness.

Method 2: Manual
Power the device off and on 5x consecutively. Do not allow less than 4s to elapse from switching off to on. Do not allow more than 2s to elapse from switching on to off. The device will flash 3x, then reset to 100% brightness at default CCT.

Method 3: Rapid Reset Tool
The Rapid Reset process must be done by a professional electrician qualified by RAB. Reach out to your RAB sales manager to request a Rapid Reset Tool. The tool simply needs to be placed directly on the back of the fixture for 2s or until the lamp/luminaire flashes 3x, then resets to 100% brightness at the default CCT.

SmartShift

SmartShift:
SmartShift is the most advanced - yet easiest to use - circadian lighting system, which syncs white color tuning with the local sunrise and sunset.
Requires the NANO/LCB (sold separately)

Performance

Product Type:
Center Basket Troffer - Tunable White

Description:
Field-adjustable center basket troffer available in 2x2 and 2x4, now with SmartShift circadian lighting.

Input Wattage:
50W

Nominal Lumens:
5500lm

Efficacy:
110lm/W

L70 Lifespan:
100,000-Hour LED lifespan based on IES LM-70 results

Electrical

THD:
<30%

Power Factor:
0.95

Need help? Tech help line: **(888) 722-1000** Email: **techsupport@rablighting.com** Website: **www.rablighting.com**

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Technical Specifications (continued)

Dimmable:
Yes via the Lightcloud Blue mobile app and devices. This luminaire will not operate properly when connected to a standard (incandescent) dimmer or dimming control.

Input Voltage:
120-277V

Operating Frequency:
50/60Hz

Input Current @ 120V (mA):
450mA

Input Current @ 208V (mA):
260mA

Input Current @ 240V (mA):
230mA

Input Current @ 277V (mA):
210mA

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

Flicker:
Low Flicker

LED Characteristics

Beam Angle:
110°

Color Temperature:
Default: 3000K
Adjustable using the Lightcloud Blue mobile app
Tunable White 3000K - 6500K

Color Accuracy (CRI):
>80 CRI

Natural Spectrum:
No

Color Consistency:
<7-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color

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

Color Uniformity:
RAB's range of Correlated Color Temperature follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2017.

Installation

Mounting:
Recessed into T-grid ceiling. Surface and recessed mounting kits available for drywall ceilings.

Construction

Size:
2'x4'

Shape:
Rectangle

Finish:
White

Enclosure Material:
Metal & Plastic

Lens Finish:
Frosted

Compliance

Listings:
UL Lsted, UL Recognized, UL Classified

Environment:
Suitable for use indoors in dry and damp environments.

IC Rated:
No

Air Tight:
No

DLC Listed:
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.

Certification Model Number:
SWISHFA2X4/LCB

California Title 20 Compliant:
No

California Title 24 JA8 Compliant:
No

California Energy Commission (CEC) Status:
Lawful for Sales in California

CCEA Compliant:
Luminaire Requirements used in Environmental Air Space per the electrical code specification of the City of Chicago

NSF Listed:
No

IESNA LM-79 & LM-80 Testing:
RAB LED luminaires and LED components have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80.

RoHS:
Mercury and UV free. RoHS-compliant components.

FCC:
Complies with Part 15 of the FCC Rules

Trade Agreements Act Compliant:
This product is a product of Cambodia and a "designated country" end product that complies with the Trade Agreements Act
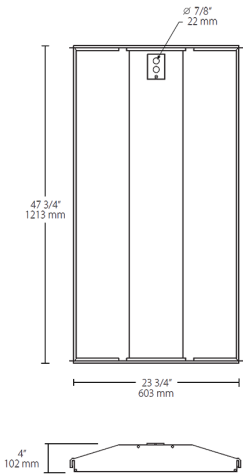
Other

Compatible Accessories:
SMKEZPAN2X4
2x4 Surface mount kit

5-Year, No-Compromise 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.

RAB®

Dimensions

ø 7/8"
22 mm

47 3/4"
1213 mm

23 3/4"
603 mm

4"
102 mm

Features

Direct Connect to the Lightcloud Blue mobile app via Bluetooth, no Gateway or Hub required

Use mobile device to configure features for On/Off Control, Dim Level, Color Temperature, Schedules, Scenes, SmartShift and more

Tunable white 3000-6500K with smooth transition between color temperatures

SmartShift Ready to sync with local sunrise/sunset for circadian lighting

Ordering Matrix

Family	Size/Wattage	Color Temp	Driver	Controls	Battery Backup
SWISHFA	2X4			/LCB	
	2X2 = 2' x 2' (40W) **2X4 =** 2' x 4' (50W)	**Blank =** Tunable White 3000K-6500K	**Blank =** 120-277V	**/LCB =** Lightcloud Blue **/LCBS =** Ligthcloud Blue w/PIR Sensor **/LCBS/MVS =** Lightcloud Blue w/MVS Sensor	**Blank =** No Option **/E =** Battery Backup

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