SWISHAIR2X2/LCBS

RAB

Color: White   Weight: 5.0 lbs

Project:	Type:
Prepared By:	Date:

Driver Info

Type	Constant Current
120V	0.29A/0.21A/0.15A
208V	0.17A/0.12A/0.08A
240V	0.14A/0.11A/0.07A
277V	0.13A/0.10A/0.08A
Input Watts	16.9-34.7W

LED Info

Watts	35/26/18W
Color Temp	3500K/4000K/5000K
Color Accuracy	82-84 CRI
L70 Lifespan	100,000 Hours
Lumens	2386-4702 lm
Efficacy	128.5-146.4 lm/W

Technical Specifications

Lightcloud

Lightcloud Blue Controller:
PIR-IN2/LCB

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 (Interior); NHCZ2BIA17L (Exterior)

Learn more at www.rablighting.com/feature/new-lightcloud-blue.

Gateway Required:
No

Communication Protocol:
Bluetooth Mesh

Range:
Indoor: 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.

Outdoor: Up to 60 feet clear line of sight; Up to 18 feet around corners.

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

Sensor Settings

Sensor Connection Type:
Integrated

Max Mounting Height:
20 ft

Detection Range:
26 ft diameter at 20 ft mounting height

Sensor Technology:
Passive Infrared (PIR)

Default Setting:
Uncommissioned State:
Motion Sensitivity: High
Brightness when triggered : 100%
Hold time: 20 minute
Standby to dim: 20%
Standby time: 1 minute
When vacant: Off
Daylight: Disabled

Commissioned State:
Once pair, the sensor will default to disabled. Once enabled the following settings apply:
Motion Sensitivity: High
Brightness when triggered: Last on status
Hold time: 20 minute
Standby to dim: 20%
Standby time: 1 minute
When vacant: Off
Daylight: Disabled

Adjustable Sensor Settings?:
Yes, using the Lightclooud Blue mobile app

Sensing Type:
Occupancy, Vacancy

Occupied Actions:
On or On at a Dim Level

Vacant Actions:
Off or On at a Dim Level

RAB

Technical Specifications (continued)

Occupancy Timeout:
1 minute to 240 minutes

Daylight Sensing:
Dim levels will continuously adjust based on the daylight threshold level set in the Lightcloud Blue mobile app.

Field Adjustability

Field Adjustable:
Field Adjustable Light Output:
35/26/17W (factory default 35W)
Color Temperature Adjustable:
3500K, 4000K and 5000K (factory default 4000K)

Compliance

UL Listed:
Suitable for dry and damp locations.

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

IP Rating:
IP20

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

DLC Listed:
This product is listed by Design Lights Consortium (DLC) as an ultra-efficient premium product that qualifies for the highest tier of rebates from DLC Member Utilities. Designed to meet DLC 5.1 requirements.
DLC Product Code: S-M443P3

Electrical

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

Surge Protection:
2 kV L-L, 2 kV L/N-G

Construction

Cold Weather Starting:
The minimum starting temperature is -4°F (-20°C)

Maximum Ambient Temperature:
Suitable for use in up to 104°F (40°C)

Lens:
Diffused Polymethyl Methacrylate (PMMA)

Housing:
Cold Rolled Carbon Steel Sheets and Strip (SPCC)

Size:
2'x2'

Finish:
Formulated for high durability and long-lasting color

LED Characteristics

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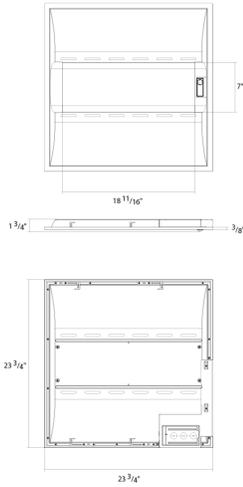Long-life, high-efficacy, surface-mount LEDs

Performance

Lifespan:
100,000-Hour LED lifespan based on IESlm-80 results and TM-21 calculations

Other

5-Year Limited 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.

RAB

Dimensions

7"

18 11/16"

1 3/4"   3/8"

23 3/4"

23 3/4"

Features

100,000-Hour LED lifespan

DLC Premium Listed

5-Year, limited warranty

Ordering Matrix

Family	Size/Wattage	Color Temp	Driver	Controls	Battery Backup
SWISHAIR	2X2			/LCBS	

2X2 = 2' x 2', 35/26/18W
1X4 = 1'.x 4', 35/26/18W
2X4 = 2' x 4', 44/35/26W

Blank = 3500/4000/5000K

Blank = 120-277V, 0-10V Dimming

Blank = None
/PIR = Passive Infrared Occupancy Sensor
/MVS = Microwave Occupancy Sensor
/LCBS = Lightcloud Blue w/PIR Sensor
/LCBS/MVS = Lightcloud Blue w/MVS Sensor

Blank = None
/E = Battery Backup