LFXLW

RAB

Color: White   Weight: 4.5 lbs

Project:		Type:
Prepared By:		Date:

Driver Info

Type	Constant Current
120V	0.15A/0.16A/0.17A/0.39A/0.40A
208V	0.10A/0.11A/0.22A/0.23A
240V	0.09A/0.10A/0.19A/0.20A
277V	0.08A/0.17A/0.18A
Input Watts	18-47.6W

LED Info

Watts	48W
Color Temp	2700-5000K Tunable White; RGBW 16+ Million Colors
Color Accuracy	81-85 CRI
L70 Lifespan	100,000 Hours
Lumens	181-4279 lm
Efficacy	9.1-92.6 lm/W

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 - Interior: N1XMLOEATBA; Exterior: NHCZ2BIA17L

Learn more at www.lightcloud.com.

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.

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)

Field Adjustability

Field Adjustable:
Field Adjustable Light Output:
Color temperature: 2700-5000K Tunable White; RGBW 16+ Million Colors
Optics: Flood/Spot/Narrow Beam Angle Adjustable

Compliance

UL Listed:
Suitable for wet locations

IP Rating:
Ingress protection rating of IP65 for dust and water

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.

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

LED Characteristics

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

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

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

Electrical

Driver:
Constant Current, Class 2 , 120-277V, 50/60 Hz 120V: 0.40A, 208V: 0.24A, 240V: 0.20A, 277V: 0.18A

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

Dim to Off:
No

Technical Specifications (continued)

Aux Power Supply:
No

Surge Protection:
L-N, L-PE, N-PE: 4 kV

Performance

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

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Construction

Cold Weather Starting:
The minimum starting temperature is -40°F (-40°C)

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

Housing:
Die-cast aluminum

Tilt Increment:
Rotates in 2 degree increments

Lens:
Glass

Reflector:
Polyethylene Terephthalate (PET)

Gaskets:
Silicone and Nitrile rubber

Finish:
Formulated for high durability and long-lasting color

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

Installation

Mounting:
Knuckle arm mount

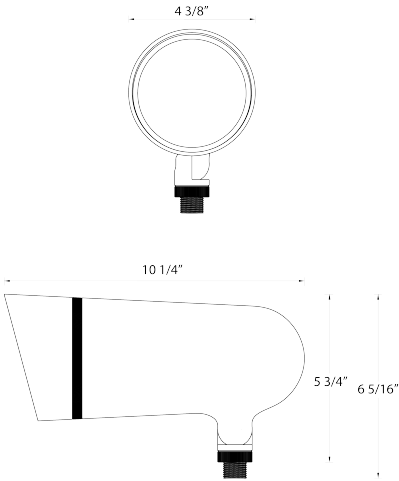## Other

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.

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Dimensions

4 3/8"

10 1/4"

5 3/4" 6 5/16"

Features

100,000-Hour LED lifespan

IP65 rating protects against dust and water

5-Year, limited warranty

Ordering Matrix

Family	Wattage	Mounting	Color Temp	Optics	Finish
LFX	L				W
	S = Small, 13W **L =** Large, 48W	**Blank =** Knuckle Arm	**Blank =** 2700-5000K Tunable White, RGBW 16+ Million Colors	**Blank =** Flood/Spot/Narrow Beam Angle Adjustable	**Blank =** Bronze **W =** White **B =** Black