C1038/LCB

RAB

Color: White   Weight: 1.4 lbs

Project:		Type:
Prepared By:		Date:

Driver Info

Type	Constant Current, Class 2
120V	0.31A
208V	0.18A
240V	0.16A
277V	0.15A
Input Watts	38W

LED Info

Watts	38W
Color Temp	Tunable White 2700-6500K
Color Accuracy	90 CRI
L70 Lifespan	50,000 Hours
Lumens	3,400 lm
Efficacy	89

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 (Interior); NHCZ2BIA17L (Exterior)

Learn more at www.lightcloud.com.

Gateway Required:
No

Communication Protocol:
Bluetooth Mesh

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)

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.

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 small Lightcloud Blue logo on the device for 2s or until the lamp/luminaire flashes 3x, then resets to 100% brightness at the default CCT.

Performance

Product Type:
Commercial Downlight

Description:
Commercial downlights, no housing required, available in 120-277V driver. Integrated with Lightcloud Blue for wireless control of dimming and color temperature makes this a SmartShift Ready product. Ideal for residential or commercial applications. No Gateway or Hub required.

Technical Specifications (continued)

Wattage Equivalency:
75W CFL

Input Wattage:
38W

Lumens:
3,400lm

Efficacy:
89lm/W

L70 Lifespan:
50,000-Hour LED lifespan based on IES LM-70 results

Electrical

Driver:
Constant Current, Class 2, 60 Hz, 120V-277V, 120V: 0.31A, 208V: 0.18A, 240V: 0.16A, 277V: 0.15A

THD:
≤20%

Power Factor:
≥0.9

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

Input Voltage:
120-277V

Operating Frequency:
60 Hz

Operating Temperature:
-4°F to 104°F (-20°C to 40°C)

Flicker:
≤5%

LED Characteristics

Beam Angle:
80°±10°

Color Temperature:
Default: 3000K
Adjustable using the Lightcloud Blue mobile app
Tunable White 2700K - 6500K

Color Accuracy (CRI):
>90 CRI

R9 Value:
High color performance with R9 greater than or equal to 50

Color Consistency:
4-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, no housing required

Construction

Size:
10"

Shape:
Round

Finish:
White

Enclosure Material:
Metal

Trim Style:
Smooth

Lens Finish:
Clear

Lens:
Polycarbonate light diffuser distributes light evenly and smoothly for general lighting applications

Compliance

Listings:
UL Listed, UL Classified

Environment:
Suitable for use in dry, damp, and wet environments.

IC Rated:
No

Energy Star Approved:
This product is ENERGY STAR® Certified.

Energy Star ID:
3722226

DLC Listed:
No

Certification Model Number:
C1038/LCB

California Title 20 Compliant:
No

California Title 24 JA8 Compliant:
Can be used to conform with the requirements of California Title 24 Part 6

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

NEC Compliant:
Suitable for use in closets. Compliant with NEC Sec. 410.16 (A)(1) and 410.16 (C3).

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:
DLTRIM/CRLEDFA10R-BNS
10" Color trim round smooth brushed nickel

DLTRIM/CRLEDFA10R-BS
10" Color trim round smooth black

DLTRIM/CRLEDFA10R-BRS
10" Color trim round smooth bronze

DL10-12GOOF/R/P/CRLEDFA
10"-12" Goof ring round white

DRI-21-EMGR-DC-D10
Emergency driver T20

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Technical Specifications (continued)

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.

Ordering Matrix

Family	Size	Wattage	Shape	CRI/Color Temp	Driver	Finish	Trim	Options
C	10	38						/LCB
	6 = 6" **8 =** 8"	**23 =** 23W **30 =** 30W	**Blank =** Round	**Blank =** 90 CRI, Tunable White 2700-6500K	**Blank =** 120-277V	**Blank =** White	**Blank =** Smooth	**/LCB =** Lightcloud Blue-enabled