



<b>Project:</b>	<b>Type:</b>
<b>Prepared By:</b>	<b>Date:</b>

Driver Info		LED Info	
Type	Constant Current	Watts	11W
120V	0.12A	Color Temp	2700K-6500K
208V	N/A	Color Accuracy	95 CRI
240V	N/A	L70 Lifespan	50,000 Hours
277V	N/A	Lumens	900 lm
Input Watts	11W	Efficacy	80

**Technical Specifications**

**Performance**

**Product Type:**

Recessed Retrofit

**Description:**

No Gateway or Hub required. These Bluetooth-enabled contractor grade retrofit downlights offers tunable white color tuning and Natural Spectrum Technology. Wirelessly control using a mobile phone via a Bluetooth connection.

**Wattage Equivalency:**

75W Halogen

**Input Wattage:**

11W

**Lumens:**

900lm

**Efficacy:**

80lm/W

**L70 Lifespan:**

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

**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](http://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.

**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.

**Technical Specifications (continued)****Factory Reset:**

Method 1: Delete from App  
Open the app and access the device settings for the paired device. Be sure that the downlight is online and select 'Delete'.

**Method 2: Manual**

Power the downlight 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 downlight 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.

**Electrical****Driver:**

Constant Current, Class 2, 60 Hz, 120V, 120V: 0.12A

**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:**

120V

**Operating Frequency:**

50/60Hz

**Input Current @ 120V (mA):**

120mA

**Operating Temperature:**

-4°F to 104°F (-20°C to 40°C)

**Flicker:**

≤5%

**LED Characteristics****Color Temperature:**

Tunable White 2700K - 6500K

**Color Accuracy (CRI):**

>95 CRI

**Natural Spectrum:**

Low blue LEDs deliver a spectrum of light similar to that of natural Sunlight. They beautifully render colors with greater than 95+ CRI and an R9 value greater than 90. In addition, these LEDs don't suppress melatonin creation which aids in promoting better sleep/wake cycles.

**R9 Value:**

High color performance with R9 greater than 50

**Color Consistency:**

4-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color

**Color Stability:**

RAB LEDs exceed industry standards for chromatic stability

**Color Uniformity:**

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

**Installation****Mounting:**

Recessed Housing

**Base Adapter:**

E26 adapter included

**Construction****Size:**

6"

**Shape:**

Round

**Finish:**

White

**Enclosure Material:**

Metal

**Trim Style:**

Baffle

**Lens:**

Acrylic light guide distributes light evenly and smoothly for general lighting applications

**Compliance****Listings:**

UL Recognized, UL Classified

**Environment:**

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

**IC Rated:**

Suitable for direct contact with insulation

**Air Tight:**

No

**Energy Star Approved:**

This product is ENERGY STAR® Version 2.2 Certified

**Energy Star ID:**

3891086

**Certification Model Number:**

LCBR6R119TW120WB-SS-NS

**T20 Compliant:**

Can be used to conform with the requirements of California Title 20

**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 15B of the FCC Rules

## Technical Specifications (continued)

### Other

#### Accessories:

RFLED-RETROBAND

Retrofit Band

RFLED-GOOF-6R-8R-W

Retrofit Downlight 6" Goof Ring

DLTRIM/R6RS-BN

6" Smooth Brushed Nickel Color Trim

DLTRIM/R6RS-BRS

6" Smooth Bronze Color Trim

DLTRIM/R6RS-B

6" Smooth Black Color Trim

DLTRIM/R6RB-BN

6" Baffle Brushed Nickel Color Trim

DLTRIM/R6RB-BRZ

6" Baffle Bronze Color Trim

DLTRIM/R6RB-B

6" Baffle Black Color Trim

DRI-25-EMGR-DC

Emergency Back up Driver

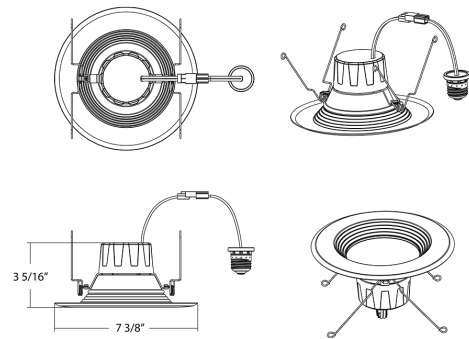
#### Warranty:

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](http://rablighting.com/warranty).

## Case and Pallet Dimensions

	QTY	LENGTH (in)	WIDTH (in)	HEIGHT (in)
CASE	4	15.67	7.95	8
PALLET	300	47.6	40.6	41.7

## Dimension



## 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

Natural Spectrum Technology mimics natural sunlight to see colors more accurately

Tunable White 2700-6500K with smooth transition between color temperatures

Circadian SmartShift Capable to sync with local sunrise/sunset

## Ordering Matrix

Family	Size	Shape	Wattage	CRI/Color Temp	Driver	Finish	Trim	SmartShift	Spectrum		
LCBR	6	R	11	9TW	120	W	B	-	SS	-	NS
<p>6 = 6"   R = Round   11 = 11W   9TW = 90 CRI, Tunable White   120 = 120V   W = White   B = Baffle   SS = SmartShift   NS = Natural Spectrum</p>											