

# Lightcloud Blue Commercial Downlights



## Lightcloud Blue Commercial Downlight, Natural Spectrum

PROJECT: \_\_\_\_\_

DATE: \_\_\_\_\_

TYPE: \_\_\_\_\_

PREPARED BY: \_\_\_\_\_



### KEY 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 2700 – 6500K** with smooth transition between color temperatures
- **SmartShift** Ready to sync with local sunrise/sunset for healthier, **circadian lighting**
- **Natural Spectrum technology** mimics natural light that renders color accurately
- **5-Year, No-Compromise Warranty**



### PERFORMANCE

Catalog Number	Size	Equivalency	Input Wattage	Lumens (Nominal)	Efficacy	Input Voltage	Color Temperature	CRI	L70 Lifespan
LCBC6R189TWUNVWS-SS-NS	6"	32W CFL	18W	1,300 Lm	72 Lm/W	120-277V	Tunable White 2700K - 6500K	95+	50,000 hours

### TECHNICAL SPECIFICATIONS

#### LIGHTCLOUD BLUE FEATURES

##### Museum-Quality Light

Natural Spectrum technology mimics natural sunlight to deliver ultra-high, 95+ CRI that renders colors accurately so you can see them as they are. It also emits less sleep-disturbing blue light.

##### Tunable White

Adjust the color temperature from 2700K to 6500K via the Lightcloud Blue mobile app, Remote Control, or other control devices.

##### Direct Connect

Use the Lightcloud Blue mobile app to connect to your lamps in minutes via Bluetooth Mesh; no Gateway or Hub required.

##### Mobile App Control

Use the Lightcloud Blue mobile app to configure features for On/Off Control, Dim Level, Color Temperature, Schedules, Scenes, SmartShift and more.

##### SmartShift Circadian Lighting

Automatically tunes the color and intensity of lights throughout the day, mimicking the sun's natural pattern.

##### Scalable

Devices within 60 feet of each other can communicate within the Bluetooth Mesh network to manage a maximum of up to 3,000 devices per account.

## TECHNICAL SPECIFICATIONS (CONT.)

### LIGHTCLOUD BLUE

#### 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

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

#### 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 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 switchin 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.

### CONSTRUCTION

#### Product Type

Commercial Downlight

#### Shape

Round

#### Enclosure Material

Metal

#### Trim Style

Smooth

#### Finish

White

#### Lens

Acrylic

### INSTALLATION

#### Mounting

Recessed

### COMPLIANCE

#### Safety Listing

UL Listed

#### Environment

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

#### IC Rated

Suitable for direct contact with insulation

#### Air Tight

Housing certified Air Tight as per ASTM E283

#### Energy Star Approved

This product is ENERGY STAR® Version 2.2 Certified.

#### Energy Star ID

2371522

#### DLC Listed

No. There is no product category on the Design Lights Consortium (DLC) Qualified Products List for this product to qualify under.

#### T20 Compliant

Not compliant.

#### 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 Sale in California

#### NEC Compliant

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

#### IESNA LM-79 & LM80 Testing

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

#### FCC

Complies with Part 15 of the FCC Rules.

#### RoHS

Mercury and UV free. RoHS-compliant components.

### ELECTRICAL

#### 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.

#### Driver

Constant Current, Class 2, 60 Hz, 120V-277V, 120V: 0.17A, 208V: 0.10A, 240V: 0.09A, 277V: 0.08A

#### Power Factor

≥0.9

#### THD

≤20%

#### Input Voltage

120-277V

#### Operating Frequency

50/60 Hz

#### Operating Temperature

-4°F to 104°F (-20°C to 40°C)

#### Flicker

≤5%

## TECHNICAL SPECIFICATIONS (CONT.)

### 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 or equal to 50

#### Color Consistency

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

#### Color Stability

LED color temperature is warranted 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.

### OTHER

#### 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).

#### Note

All values are typical (tolerance +/- 10%)

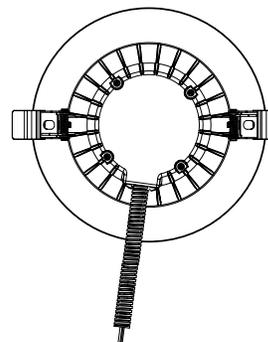
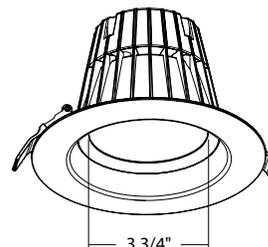
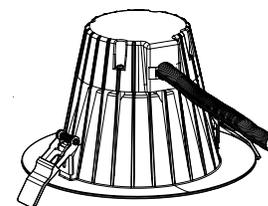
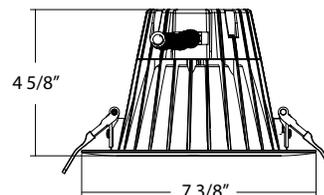
Download the Lightcloud Blue app for free to get started!



## DIMENSIONS

6" 18W Commercial downlight

Weight: 1.86 lbs



## ACCESSORIES (SOLD SEPARATELY)

### Smooth Trims



Brushed Nickel



Black



Bronze

Catalog Number	UPC	Description
DLTRIM/R6RS-BN	192552000925	6" Smooth brushed nickel color trim
DLTRIM/R6RS-BRZ	192552022255	6" Smooth bronze color trim
DLTRIM/R6RS-B	192552000949	6" Smooth black color trim

### Mounting Plate



Catalog Number	UPC	Description
DLFRAME/C6R	192552000697	Commercial downlight 6" mounting plate

### Junction Box



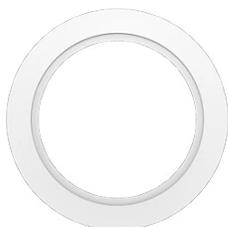
Catalog Number	UPC	Description
DLJBOX/P/E2	192552000666	Downlight junction box

### Emergency Backup Driver



Catalog Number	UPC	Description
DRI-25-EMGR-DC	019813519180	Emergency backup driver

### Goof Ring



Catalog Number	UPC	Description
DL6-8GOOF/R/P	019813512242	Commercial downlight 6" goof ring

# Lightcloud Blue Commercial Downlights



## ORDERING INFO

Catalog Number	Model Number	UPC	Case Pack
LCBC6R189TWUNVWS-SS-NS	LCBC6R189TWUNVWS-SS-NS	192552007443	4

## ORDERING MATRIX

Family	Size	Shape	Wattage	CRI/Color Temp	Voltage	Finish	Trim	SmartShift	Natural Spectrum		
LCBC	6	R	18	9TW	UNV	W	S	-	SS	-	NS
	6" R	Round	18W	9TW 90+CRI, Tunable White 2700-6500K	UNV 120-277V	W White	S Smooth	SS SmartShift	NS Natural Spectrum, 95+ CRI		