



|              |       |
|--------------|-------|
| Project:     | Type: |
| Prepared By: | Date: |

| Driver Info |                  | LED Info       |              |
|-------------|------------------|----------------|--------------|
| Type        | Constant Current | Watts          | 10W          |
| 120V        | 0.09A            | Color Temp     | 2200-6500K   |
| 208V        | 0.05A            | Color Accuracy | 90 CRI       |
| 240V        | 0.04A            | L70 Lifespan   | 50,000 Hours |
| 277V        | 0.04A            | Lumens         | 600 lm       |
| Input Watts | 10W              | Efficacy       | 60           |

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. Learn more at [rablighting.com](http://rablighting.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)

Performance

Product Type:

Cylinder Wall Mount

Description:

Economical cylinders with field-adjustable color temperature, power, and light distribution along with field-swappable optics to fit any indoor or outdoor application. Now available with RGBW color tuning using Lightcloud Blue.

Wattage Equivalency:

75/60/45W

Input Wattage:

10W

Lumens:

600lm

Efficacy:

60lm/W

L70 Lifespan:

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

Electrical

Driver:

Constant Current 120V-277V 50/60Hz, 120V: 0.085mA; 208V: 0.055mA; 240V: 0.05mA; 277V: 0.045mA

THD:

≤20%

Power Factor:

≥0.9

Dimmable:

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

Input Voltage:

120-277V

Operating Temperature:

-40°F to 113°F (-40°C to 45°C)

Flicker:

≤20%



## Technical Specifications (continued)

### Photocell:

Integrated photocell included with on/off switch

### LED Characteristics

#### Beam Angle:

60° (installed)  
Field swappable optics sold separately for  
25°/40°/60° beam angle\_

#### Light Direction:

Selectable up, down, or both

#### Color Temperature:

Default: 4000K  
Adjustable using the Lightcloud Blue mobile app  
Tunable White 2200K - 6500K  
16+ million RGB colors

#### Color Accuracy (CRI):

90 CRI

#### Natural Spectrum:

No

#### R9 Value:

High color performance with R9 greater than 0

#### Color Consistency:

<7-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:

Wall mount

### Construction

#### Size:

3"

#### Shape:

Cylinder

#### Finish:

White

### Enclosure Material:

Die-cast aluminum and polycarbonate

### Compliance

#### Listings:

UL Listed

#### Environment:

Suitable for use indoors and outdoors in dry, damp,  
or wet environments.

#### Fixture Rating:

Suitable for use in open fixtures

#### DLC NLC Listed:

This system is on the Design Lights Consortium  
(DLC) Network Lighting Controls (NLC) Qualified  
Products List and is eligible for rebates from DLC  
Member Utilities.

DLC system - N1XMLOEATBA (Interior);  
NHCZ2BIA17L (Exterior)

#### DLC Listed:

No

#### Certification Model Number:

BWCWS-10W-RGBCW25WH

#### California Title 20 Compliant:

No

#### California Title 24 JA8 Compliant:

No

#### California Energy Commission (CEC) Status:

Lawful for Sales in California

#### 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

### Other

#### Compatible Accessories:

CD34REF-325D  
25° reflector

CD34REF-340D  
40° reflector

CD34REF-360D  
60° reflector

CD34LENS-3FRW  
3" frosted lens white

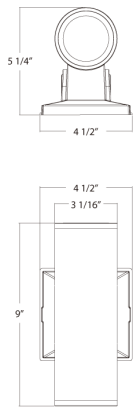
CD34LENS-3FRK  
3" frosted lens black

CD34LENS-3FRZ  
3" frosted lens bronze

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

Dimensions



Features

- Slim style 3", 4" and 6" wall mount for outdoor use. 4" and 6" surface, cord, or pendant mount for indoor use.
- Aluminum extrusion housing and die-cast covers available in black, bronze, or white.
- Wireless Bluetooth Mesh control with Lightcloud Blue
- RGB models with tunable white 2200-6500K CCT, 16+ million colors
- Wireless dimming for all models; integrated photocell for wall mount versions

Ordering Matrix

| Family | Size/Wattage                                              | Mounting | Light Direction                     | CRI/Color Temp                  | Driver                          | Finish                               | RGB Color Tuning                                                                 |
|--------|-----------------------------------------------------------|----------|-------------------------------------|---------------------------------|---------------------------------|--------------------------------------|----------------------------------------------------------------------------------|
| CD34   | 3                                                         | W        |                                     |                                 |                                 | W                                    | /RGB                                                                             |
|        | 3 = 3", 10/8/6W<br>4 = 4", 20/16/12W<br>6 = 6", 36/28/22W | W = Wall | Blank = Selectable-Down, Up or Both | Blank = 90 CRI, 3000/4000/5000K | Blank = 120-277V, 0-10V Dimming | Z = Bronze<br>K = Black<br>W = White | Blank = None<br>/RGB = Color Tuning 16+ million colors; Tunable White 2200-6500K |