



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

Driver Info		LED Info	
Type	Constant Current, Class 2	Watts	10W
120V	0.09A	Color Temp	Tunable White 2700-6500K
208V	N/A	Color Accuracy	90 CRI
240V	N/A	L70 Lifespan	50,000 Hours
277V	N/A	Lumens	820 lm
Input Watts	10W	Efficacy	70

## Technical Specifications

### Performance

**Product Type:**

Surface Mount

**Description:**

Ultra-economy, surface mount disk integrated with Lightcloud Blue for wireless control. SmartShift Ready with adjustable color temperature of 2700K-6500K. Ideal for new construction and retrofit applications. No Gateway or Hub required

**Wattage Equivalency:**

50W Halogen

**Input Wattage:**

10W

**Lumens:**

820lm

**Efficacy:**

70lm/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.rablighting.com/feature/new-lightcloud-blue](http://www.rablighting.com/feature/new-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:

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 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.

## Electrical

### Driver:

Constant Current, Class 2, 60 Hz, 120V: 0.09A

### 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:

60 Hz

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

88mA

### Operating Temperature:

-4°F to 104°F (-20°C to 40°C)

## LED Characteristics

### Beam Angle:

110°

### Color Temperature:

Default: 3000K  
Adjustable using the Lightcloud Blue mobile app  
Tunable White 2200K - 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 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.

## Installation

### Mounting:

Surface Mount

### Base Type:

E26 Edison

## Construction

### Size:

4"

### Shape:

Round

### Finish:

White

### Enclosure Material:

Metal

### Trim Style:

Smooth

### Lens:

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

## Compliance

### Listings:

UL Listed

### Environment:

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

### IC Rated:

No

### Air Tight:

No

### Energy Star Approved:

This product is ENERGY STAR® Version 2.2 Certified.

### Energy Star ID:

3891083

### DLC Listed:

This product family is listed with the DesignLights Consortium (DLC). Individual SKUs within this family may carry either a DLC Standard or DLC Premium qualification. Please refer to the individual product specification sheet or the DLC Qualified Products List (QPL) at [designlights.org](http://designlights.org) to confirm the qualification status of a specific SKU prior to specification or purchase.

### Certification Model Number:

DSK34-4/LCB

### T20 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

### 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

### Accessories:

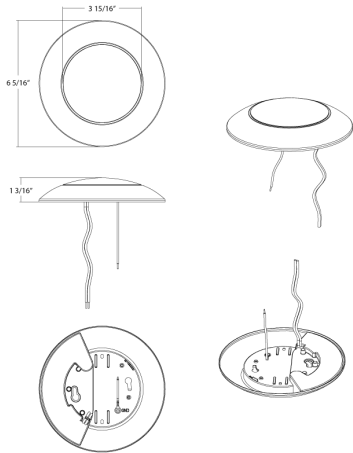
DSKFA4/PIR/ACC  
Mounting hardware

**Technical Specifications (continued)**

**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**

- 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
- Circadian SmartShift Ready to sync with local sunrise/sunset
- Installs on standard junction boxes

**Ordering Matrix**

Family	Size/Wattage	Shape	CRI/Color Temp	Driver	Finish	Trim	Options
DSK34	4						/LCB
	4 = 4", 10W 6 = 6", 15W	Blank = Round	Blank = 90 CRI, Tunable White 2700-6500K	Blank = 120V	Blank = White	Blank = Smooth	/LCB = Lightcloud Blue-enabled