

Color: White

Weight: 4.8 lbs

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

Driver Info		LED Info	
Type	Constant Current	Watts	12/9/06W
120V	0.10A/0.08A/0.06A	Color Temp	3000/3500/4000/5000K
208V	0.07A/0.07A/0.05A	Color Accuracy	82-84 CRI
240V	0.06A/0.05A/0.04A	L70 Lifespan	100,000 Hours
277V	0.05A/0/04A/0.03A	Lumens	764-1,609 lm
Input Watts	6.6-12.1W	Efficacy	114-133 lm/W

## 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](http://www.lightcloud.com).

#### Gateway Required:

No

#### Communication Protocol:

Bluetooth Mesh

#### Range:

Up to 60 ft 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 ft clear line of sight (varies by device).

#### 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'.

Method 2: Manual

Press and hold down the button located at the top of the Controller for 10 seconds or until the fixture flashes on/off 3x. The Controller will flash red to confirm it has been reset and is ready to pair to the App

#### Device Identification Button:

Located at the top of the controller under the Lightcloud logo.

Once the Controller has been provisioned to the Lightcloud Blue mobile app this button offers the following functionality:

Press once to rapid identify this device in the Lightcloud Blue mobile app

Press twice to toggle circuit on and off

Press twice and hold to set dim level

Press and hold for 10s to reset the device to factory settings and into pairing mode

### Electrical

#### Driver:

12W: Class 2, Constant Current, 120-277V, 50/60 Hz, 120V: 0.10A, 208V: 0.07A, 240V: 0.07A, 277V: 0.05A  
9W: Class 2, Constant Current, 120-277V, 50/60 Hz, 120V: 0.08A, 208V: 0.07A, 240V: 0.05A, 277V: 0.04A  
6W: Class 2, Constant Current, 120-277V, 50/60 Hz, 120V: 0.06A, 208V: 0.05A, 240V: 0.04A, 277V: 0.03A

#### Dimming Driver:

Driver includes dimming control wiring for 0-10V dimming systems. Requires separate 0-10V DC dimming circuit. Dims down to 5%.

#### THD:

8.25% at 120V, 13.6% at 277V

#### Power Factor:

97.5% at 120V, 86.9% at 277V

#### Status Indicator:

The status indicator light is located around the circumference of the top of the Controller.

Solid Green - Nano is paired to the Lightcloud Blue app  
Flashing Red - Nano has been restored to default factory settings

**Technical Specifications (continued)****Max Mounting Height:**

8 ft to 12 ft

**Detection Range:**

20 ft diameter at 9 ft mounting height

**Surge Protection:**

1-2kV

**Sensor Settings****Sensor Connection Type:**

RJ09

**Default Setting:**

Uncommissioned State:

Sensor Status: Enabled

Motion Sensitivity: High

Brightness when triggered: 100%

Hold time: 1 minute

Standby to dim: 20%

Standby time: 1 minute

When vacant: Off

Commissioned State:

Sensor Status: Disabled, once enabled the following default are set.

Motion Sensitivity: High

Brightness when triggered: Last on status

Hold time: 20 minutes

When vacant: Off

**Sensor Technology:**

Passive Infrared (PIR)

**Sensing Type:**

Occupancy or Vacancy

**Sensor Sensitivity:**

Low/Medium/High

**Occupied Actions:**

On or On at a Dim Level

**Vacant Options:**

Off or On at a Dim Level

**Daylight Sensing:**

The sensor will determine to trigger the light(s) on or not based on the daylight threshold level set in the Lightcloud Blue mobile app.

**Daylight Threshold:**

150 lux to 1500 lux

**Field Adjustability****Field Adjustable:**

Field Adjustable Light Output:

12W/9W/6W (factory default 9W)

Color temperature selectable by 5000K, 4000K,

3500K and 3000K (factory default: 4000K)

**Compliance****UL Listed:**

Suitable for damp locations

**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.

**Performance****Lifespan:**

100,000-Hour LED lifespan based on IES LM-80 results and TM-21 calculations

**LED Characteristics****LEDs:**

Long-life, high-efficiency, surface-mount LEDs

**Color Consistency:**

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

**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.

**Construction****Cold Weather Starting:**

The minimum starting temperature is -20°C (-4°F)

**Maximum Ambient Temperature:**

Suitable for use in up to 55°C (131°F)

**Housing:**

Cold Rolled Carbon Steel Sheets and Strip (SPCC)

**Lens:**

Diffused Polymethyl Methacrylate (PMMA)

**Finish:**

Formulated for high durability and long-lasting color

**Green Technology:**

Mercury and UV free. RoHS-compliant components.

**Installation****Mounting:**

Wall mount

**Other****Lighting Pattern:**

70% downlight, 30% upright

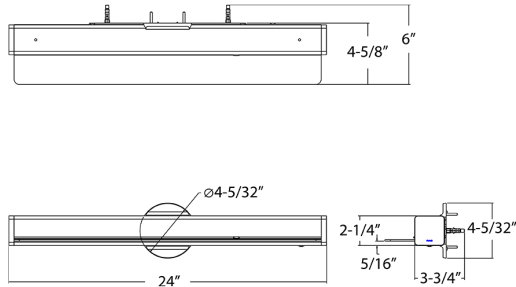
**Accessories:**Fixture to fixture connector: [TOMO CONNECT](#)**Warranty:**

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).

**Buy American Act Compliance:**

RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

## Dimensions



## Features

- 0-10V dimming
- 100,000-Hour LED lifespan
- 5-Year, No-Compromise Warranty

## Ordering Matrix

Family	Length (Wattage)	Color Temp	Finish	Mounting	Driver	Options
TOMO	2			WM		/LCBS
	4 = 4' (24/18/12W) 8 = 8' (48/36/24W) 2 = 2' (12/9/6W)	<b>Blank</b> = 3000/3500/4000/5000K CCT Adjustable	<b>Blank</b> = White	<b>WM</b> = WM	<b>Blank</b> = 120-277V, 0-10V Dimming	/LCBS/E = Lightcloud Blue w/PIR Sensor and Battery Backup <sup>1</sup> /LCB/E = Lightcloud Blue-enabled w/Battery Backup <sup>1</sup> /LCBS = Lightcloud Blue-enabled w/PIR sensor /LCB = Lightcloud Blue-enabled /PIR/E = Passive Infrared Occupancy Sensor w/Battery Backup <sup>1</sup> /LC/E = Lightcloud w/Battery Backup <sup>1</sup> /LCS = Lightcloud /LC = Lightcloud /E = Battery Backup <sup>1</sup> /PIR = Passive Infrared Occupancy Sensor <b>Blank</b> = No Option

<sup>1</sup> \*Available only for 4' and 8'