TOMO-8WM/LCB/E

RAB

<table>
<tr><td>**Project:**</td><td>**Type:**</td></tr>
<tr><td>**Prepared By:**</td><td>**Date:**</td></tr>
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Color: White   Weight: 17.0 lbs

Driver Info

Type	Constant Current
120V	0.40A/0.30A/0.20A
208V	0.24A/0.18A/0.13A
240V	0.20A/0.15A/0.10A
277V	0.18A/0.13A/0.09A
Input Watts	23.3-48.3W

LED Info

Watts	48/36/24W
Color Temp	3000/3500/4000/5000K
Color Accuracy	82-84 CRI
L70 Lifespan	100,000 Hours
Lumens	3,028-6,468 lm
Efficacy	121.3-142.5 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.

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 tha 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:
48W: Class 2, Class P, Constant Current, 120-277V, 50/60 Hz, 120V: 0.40A, 208V: 0.24A, 240V: 0.20A, 277V: 0.18A
36W: Class 2, Class P, Constant Current, 120-277V, 50/60 Hz, 120V: 0.30A, 208V: 0.18A, 240V: 0.15A, 277V: 0.13A
24W: Class 2, Class P, Constant Current, 120-277V, 50/60 Hz, 120V: 0.20A, 208V: 0.13A, 240V: 0.10A, 277V: 0.09A

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

THD:
7.14% at 120V, 10.03% at 277V

Power Factor:
99.6% at 120V, 96.9% 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)

Surge Protection:
1-2kV

Battery Backup:
Battery backup will operate the fixture for 90 minutes if power fails. Wired for 120-277V.

Battery Backup Light Loss Factor:
48W: 0.38
36W: 0.48
24W: 0.73

Field Adjustability

Field Adjustable:
Field Adjustable Light Output:
48W/36W/24W(factory default 36W)
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 0°C (32°F)

Maximum Ambient Temperature:
Suitable for use in up to 50°C (122°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% uplight

Accessories:
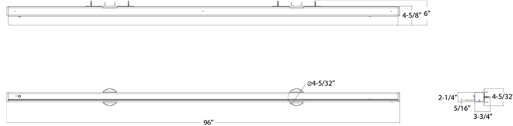Fixture to fixture connector: TOMO CONNECT

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.

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	8			WM		/LCB/E

Length (Wattage):
4 = 4' (24/18/12W)
8 = 8' (48/36/24W)
2 = 2' (12/9/6W)

Color Temp:
Blank = 3000/3500/4000/5000K CCT Adjustable

Finish:
Blank = White

Mounting:
WM = WM

Driver:
Blank = 120-277V, 0-10V Dimming

Options:
/LCBS/E = Lightcloud Blue w/PIR Sensor and Battery Backup [1]
/LCB/E = Lightcloud Blue-enabled w/Battery Backup [1]
/LCBS = Lightcloud Blue-enabled w/PIR sensor
/LCB = Lightcloud Blue-enabled
/PIR/E = Passive Infrared Occupancy Sensor w/Battery Backup [1]
/LC/E = Lightcloud w/Battery Backup [1]
/LCS = Lightcloud
/LC = Lightcloud
/E = Battery Backup [1]
/PIR = Passive Infrared Occupancy Sensor
Blank = No Option

[1] *Available only for 4' and 8'*

Need help? Tech help line: **(888) 722-1000** Email: **sales@rablighting.com** Website: **www.rablighting.com**

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