TOMO-8WM/LCBS

RAB

Project:	Type:
Prepared By:	Date:

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.rablighting.com/feature/new-lightcloud-blue.

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.

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: 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 sensor area for 2s or until the lamp/luminaire flashes 3x, then resets to 100% brightness at the default CCT.

Controller:
Integrated, internal

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:
Linear

Description:
Elegant linear lighting with field-adjustable wattage and CCT. Available in three lengths, as a suspended or wall mount, and with various sensor options and smart controls.

Wattage Equivalency:
Replaces (5) F32T8 or (2) F96T8

Lumens (Nominal):
5,520lm

Efficacy:
115lm/W

Lifespan:
100,000-Hour LED lifespan based on IESlm-80 results and TM-21 calculations

Electrical

Driver:
Constant Current, 120-277V, 50/60, 120V: 0.4mA; 208V: 0.23mA; 240V: 0.2mA; 277V: 0.17mA

THD:
<30%

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

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Technical Specifications (continued)

Power Factor:
>0.9

Input Wattage:
48W

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.

Operating Temperature:
-4°F to 131°F (-20°C to 55°C)

Flicker:
Flicker free

Surge Protection:
1-2 kV

Sensor Settings

Sensor Connection Type:
Intergrated

Max Mounting Height:
8 ft to 12 ft

Detection Range:
20 ft diameter at 9 ft mounting height

Sensor Technology:
Passive Infrared (PIR)

Default Setting:
Uncommissioned State:
Motion Sensitivity: High
Brightness when triggered : 100%
Hold time: 20 minutes
Standby to dim: 20%
Standby time: 1 minute
When vacant: Off
Daylight: Off

Commissioned State:
Once pair, the sensor will default to disabled. Once enabled the following settings apply:
Motion Sensitivity: High
Brightness when triggered: Last on status
Hold time: 20 minutes
Standby to dim: 20%
Standby time: 1 minute
When vacant: Off
Daylight: Off

Adjustable Sensor Settings?:
Yes, using the Lightcloud Blue mobile app

Sensing Type:
Occupancy, Vacancy

Occupied Actions:
On or On at a Dim Level

Vacant Actions:
Off or On at a Dim Level

Occupancy Timeout:
1 minute to 240 minutes

Daylight Sensing:
Yes, continuous dimming.

LED Characteristics

Beam Angle:
335°

Color Temperature:
Default: 3000K
Adjustable using the Lightcloud Blue mobile app
Tunable White 3000K-5000K

Color Accuracy (CRI):
>80 CRI

Natural Spectrum:
No

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.

Other

Lighting Pattern:
70% downlight, 30% uplight

Compatible Accessories:
TOMO CONNECT

Fixture to fixture connector

5-Year, No-Compromise 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.

Installation

Mounting:
Wall mount

Construction

Length:
8 ft

Shape:
Linear

Finish:
White

Enclosure Material:
Metal+Plastic

Lens:
Diffused Polymethyl Methacrylate (PMMA)

Compliance

Listings:
UL Listed, UL Classified, UL Recognized

Environment:
Suitable for use indoors in dry and damp environments.

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:
This product is on the Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities. Designed to meet DLC 5.1 requirements.

California Title 20 Compliant:
No

California Title 24 JA8 Compliant:
No

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Technical Specifications (continued)

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 IESNAlm-79 andlm-80.

RoHS:
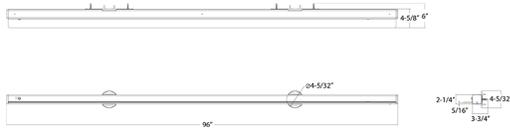Mercury and UV free. RoHS-compliant components.

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

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Dimensions

Features

0-10V dimming

100,000-Hour LED lifespan

5-Year, No-Compromise Warranty

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TOMO-8WM/LCBS

Ordering Matrix

Family	Length (Wattage)	Color Temp	Finish	Mounting	Driver	Controls	Battery Backup
TOMO	8			WM		/LCBS	
	2 = 2' (12/9/6W) **4** = 4' (24/18/12W) **8** = 8' (48/36/24W)	**Blank =** 3000/3500/4000/5000K CCT Adjustable	**Blank =** White	**WM =** WM	**Blank =** 120-277V, 0-10V Dimming	**Blank =** No Option **/PIR =** Passive Infrared Occupancy Sensor **/LC =** Lightcloud **/LCS =** Lightcloud **/LCB =** Lightcloud Blue **/LCBS =** Lightcloud Blue w/PIR Sensor **/LCBS/MVS =** Lightcloud Blue w/MVS Sensor	**Blank =** None **/E =** Battery Backup

¹ *Available only for 4' and 8'*