# TOMO-8WM/PIR/E

**RAB**



Color: White          Weight: 17.0 lbs

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

### 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

### 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.

**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.
DLC Product Code: S-YPV9J4

### 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

**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

### 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)

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Page 1 of 3

## Technical Specifications (continued)

**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.

### Sensor Settings

**Operating Voltage:**
120-277V

**Stand by Power:**
<0.5W

**Load Ratings:**
200VA @ 120V capacitve (LED)
400VA @ 277V capacitive (LED)

**Warming-up:**
30s

**Sensor Principle:**
PIR detection

**Detection Range:**
Max height: 16ft (5m)
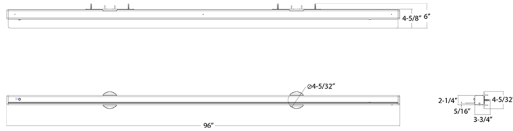Max Diameter: 20ft (6m)

**Detection Angle:**
360°

**Operating Temperature:**
-20°C to 60°C (-4°F to 140°F)

**IP Rating:**
IP20

**RAB**®

## Dimensions

4-5/8" 6"

⌀4-5/32"
2-1/4"  4-5/32"
5/16"  3-3/4"
96"

## 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 | | /PIR/E |

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

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

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Page 3 of 3