

Project:	Type:
Prepared By:	Date:

Driver Info		LED Info	
Type	Constant Current	Watts	48/36/24W
120V	0.40A/0.30A/0.20A	Color Temp	3000/3500/4000/5000K
208V	0.24A/0.18A/0.13A	Color Accuracy	82-84 CRI
240V	0.20A/0.15A/0.10A	L70 Lifespan	100,000 Hours
277V	0.18A/0.13A/0.09A	Lumens	3,028-6,468 lm
Input Watts	23.3-48.3W	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 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 to confirm the qualification status of a specific SKU prior to specification or purchase.

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:

1-2 kV

Performance

Lifespan:

100,000-Hour LED lifespan based on IESIm-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 -4°F (-20°C)

Maximum Ambient Temperature:

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

Housing:

Cold Rolled Carbon Steel Sheets and Strip (SPCC)

Lens:

Diffused Polymethyl Methacrylate (PMMA)

Finish:

Formulated for high durability and long-lasting color

Technical Specifications (continued)

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](#)

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.

Sensor Settings

Operating Voltage:

120-277V

Stand by Power:

<0.5W

Load Ratings:

200VA @ 120V capacitive (LED)

400VA @ 277V capacitive (LED)

Warming-up:

30s

Sensor Principle:

PIR detection

Detection Range:

Max height: 16 ft (5m)

Max Diameter: 20 ft (6m)

Detection Angle:

360°

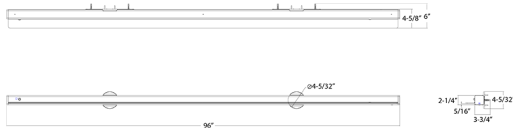
Operating Temperature:

-20°C to 60°C (-4°F to 140°F)

IP Rating:

IP20

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	Controls	Battery Backup
TOMO	8			WM		/PIR	
	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	/LCBS/MVS = Lightcloud Blue w/MVS Sensor /PIR = Passive Infrared Occupancy Sensor /LCBS = Lightcloud Blue w/PIR Sensor /LCB = Lightcloud Blue /LCS = Lightcloud /LC = Lightcloud Blank = No Option	Blank = None /E = Battery Backup

¹ *Available only for 4' and 8'