



Low-profile vandal-resistant fixture covers the footprint of most traditional canopy lights. Available in flat or drop lens with frosted and unfrosted options.

Color: White

Weight: 11.5 lbs

Project:	Type:
Prepared By:	Date:

Driver Info		LED Info	
Type	Constant Current	Watts	28W
120V	0.24A	Color Temp	4000K (Neutral)
208V	0.14A	Color Accuracy	83 CRI
240V	0.12A	L70 Lifespan	100,000 Hours
277V	0.11A	Lumens	4,143 lm
Input Watts	28.5W	Efficacy	145.4

Technical Specifications

Compliance

UL Listed:

Suitable for Wet Locations. Covered Ceiling Mount Only.

IP Rating:

Ingress protection rating of IP66 for dust and water

DLC Listed:

This product is listed by Design Lights Consortium (DLC) as an ultra-efficient premium product that qualifies for the highest tier of rebates from DLC Member Utilities. Designed to meet DLC 5.1 requirements.

DLC Product Code: PHBM7T41 (DLC Premium: Stairwell and Passageway Luminaires)

DLC Product Code: S-WZGKLC (DLC Standard: Canopy Lighting)

Electrical

Driver:

Class 2, Constant Current, 120-277V, 50-60Hz, 120V: 0.24A, 208V: 0.14A, 240V: 0.12A, 277V: 0.11A

Dimming Driver:

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

THD:

8.69% at 120V, 9.06% at 277V

Power Factor:

98.5% at 120V, 94.8% at 277V

LED Characteristics

LEDs:

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

Color Stability:

RAB LEDs exceed industry standards for chromatic stability

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

Maximum Ambient Temperature:

Suitable for use in up to 75°C (167°F)

Cold Weather Starting:

The minimum starting temperature is -40°C (-40°F)

Lens:

Vandal-resistant polycarbonate textured opaque for low glare drop lens

Housing:

Die-cast aluminum housing and lens frame with (4) 1/2" NPS side conduit entries and weatherproof rear wire plug and access plate

Mounting:

Ceiling mount to recessed junction with knockout template or directly to ceiling surface, utilizing side conduit entry points

Air Tight:

Housing certified Air Tight as per ASTM E283

Finish:

Our environmentally friendly polyester powder coatings are formulated for high-durability and long-lasting color

Sensor Specifications

Capacitance Load:

400VA at 120VAC, 800VA at 230VAC, 1000VA at 277VAC

Operating Temperature:

-20°C to +60°C (-4°F to +140°F)

Relay:

Zero-cross relay

Maximum Mounting Height:

16.4 feet

Technical Specifications (continued)**Customizable Detection Area:**

10, 50, 75 or 100%

Time Delay:

5s, 30s, 1min, 5min, 10min, 20min, 30min

Cut Off Period:

0s, 10s, 1min, 5min, 10min, 30min, 1hr, Bi-Level

Cut-Off Dimming level:

10, 20, 30, 50%

Cut-Off Power:

Less than 1W

Daylight Threshold:

About .2-5 fc for disabled

Sensor Principle:

High Frequency

Microwave Frequency:

5.8GHz +/- 75MHz

Microwave Power:

<0.2mW

Max Detection Range:

26 ft diameter at 16 ft mounting height

Detection Angle:

About 30 to 150 degrees

Remote Control Accessory:

Adjust settings using remote control (catalog# MVSREM). Only available with 0-10V dimming driver options. [Remote control available here.](#)

Other**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.

Performance**Wattage Equivalency:**

Equivalent to 100W Metal Halide

Dimensions



Features

- Fits the footprint of older canopy lights
- Vandal resistant and UV resistant lens
- Ultra-high efficiency
- Clean, contemporary, low-profile design
- Available with drop lens or flat lens
- IP66 rated, keeps dust, bugs and water out
- Photo and motion sensor options available

Ordering Matrix

Family	Wattage	Color Temp	Lens-Optics	Finish	Voltage	Options
VANLED	28	N		W		/MVS
10 = 10W	Blank = 5000K Cool	Blank = Drop lens	Blank = Bronze	Blank = 120-277V, 0-10V Dimming	Blank = No Options	
20 = 20W	N = 4000K Neutral	F = Flat lens ¹	W = White	/480 = 480V, 0-10V Dimming	/E2 = Battery Backup, 120-277V only	
28 = 28W	Y = 3000K Warm	FR = Frosted Drop Lens			/LC = Lightcloud® Controller	
40 = 40W		FFR = Frosted Flat Lens ¹			/PCS = 120V Swivel Photocell	
52 = 52W					/PCS2 = 277V Swivel Photocell	
65 = 65W					/PCS4 = 480V Swivel Photocell	
75 = 75W					/WS = Wattstopper, 8ft	
					/WS2 = Wattstopper, 20ft	
					/MVS = Microwave Motion Sensor ¹	

¹ /MVS option not available with F and FFR lens