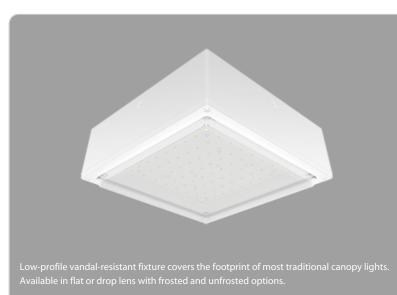
# VANLED10NFRW/MVS

# RAB



Color: White

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eig			

Proje	ect:	Type:		
Prep	ared By:	Date:		
<b>Driver li</b> Type	n <b>fo</b> Constant Current	<b>LED Info</b> Watts	10W	

Differ into						
	Туре	Constant Current	Watts	10W		
	120V	0.12A	Color Temp	4000K (Neutral)		
	208V	0.07A	Color Accuracy	84 CRI		
	240V	0.06A	L70 Lifespan	100,000 Hours		
	277V	0.05A	Lumens	1,862 lm		
	Input Watts	14.3W	Efficacy	130.2		

# **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: PJUR1ONN (DLC Premium: Stairwell and Passageway Luminaires) DLC Product Code: S-8GSIF5 (DLC Standard: Canopy Lighting)

## Electrical

#### Driver:

Class 2, Constant Current, 120-277V, 50-60Hz, 120V: 0.12A, 208V: 0.07A, 240V: 0.06A, 277V: 0.05A

# **Dimming Driver:**

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

## THD:

16.21% at 120V, 12.35% at 277V

#### **Power Factor:** 96.8% at 120V, 93.3% at 277V

90.8% dt 1200, 93.3% dt 2770

# 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 55°C (131°F)

#### **Cold Weather Starting:**

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

#### Lens:

Vandal-resistant polycarbonate textured opaque for low glare frosted 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 directy 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

# VANLED10NFRW/MVS

# **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. <u>Remote control available here.</u>

## 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 <u>rablighting.com/warranty.</u>

## **Buy American Act Compliance:**

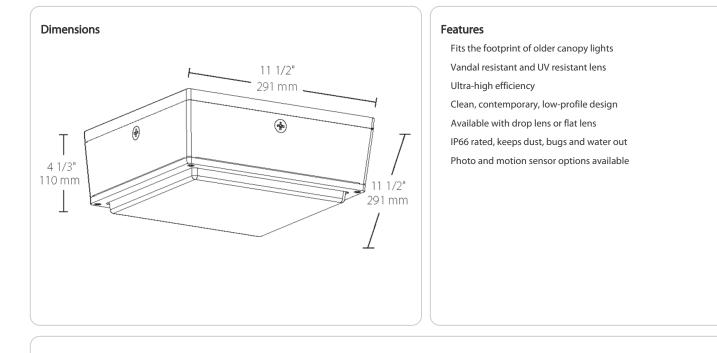
RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

# Performance

Wattage Equivalency: Equivalent to 70W Metal Halide

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# VANLED10NFRW/MVS



# **Ordering Matrix**

Family	Wattage	Color Temp	Lens-Optics	Finish	Voltage	Options
VANLED	10	Ν	FR	W		/MVS
	<b>10</b> = 10W <b>20</b> = 20W <b>28</b> = 28W <b>40</b> = 40W <b>52</b> = 52W <b>65</b> = 65W <b>75</b> = 75W	Blank = 5000K Cool N = 4000K Neutral Y = 3000K Warm	Blank = Drop lens F = Flat lens ' FR = Frosted Drop Lens FFR = Frosted Flat Lens '	Blank = Bronze W = White	Blank = 120-277V, 0-10V Dimming /480 = 480V, 0-10V Dimming	Blank = No Options /E2 = Battery Backup, 120-277V only /LC = Lightcloud® Controller /PCS = 120V Swivel Photocell /PCS2 = 277V Swivel Photocell /PCS4 = 480V Swivel Photocell /WS = Wattstopper, 8ft /WS2 = Wattstopper, 20ft /MVS = Microwave Motion Sensor <sup>1</sup>
			<sup>1</sup> /MVS option	n not available wi	th F and FFR lens	