



Specification grade area lights available in IES Type IV distributions. Suited for mounting on the sides of buildings and walls, and for illuminating the perimeter of parking areas. Best-in-class 5-G vibration rating. 5 Year Warranty.

Color: White

Weight: 20.9 lbs

|                     |              |
|---------------------|--------------|
| <b>Project:</b>     | <b>Type:</b> |
| <b>Prepared By:</b> | <b>Date:</b> |

| Driver Info  |                  | LED Info        |         |
|--------------|------------------|-----------------|---------|
| Type:        | Constant Current | Watts:          | 160W    |
| 120V:        | 1.35A            | Color Temp:     | 4000K   |
| 208V:        | 0.83A            | Color Accuracy: | 72 CRI  |
| 240V:        | 0.72A            | L70 Lifespan:   | 100000  |
| 277V:        | 0.61A            | Lumens:         | 15,934  |
| Input Watts: | 157W             | Efficacy:       | 101 LPW |
| Efficiency:  | N/A              |                 |         |

## Technical Specifications

### Listings

#### UL Listing:

Suitable for wet locations.

#### IESNA LM-79 & IESNA LM-80 Testing:

RAB LED luminaires have been tested by an independent laboratory in accordance with IESNA LM-79 and 80, and have received the Department of Energy "Lighting Facts" label.

### Electrical

#### Driver:

Constant Current, Class 2, 100-277V, 50/60 Hz, 120V: 1.35A, 208V: 0.83A, 240V: 0.72A, 277V: 0.61A

#### THD:

7.8% at 120, 14.3% at 277V

#### Power Factor:

99.5% at 120V, 93.5% at 277V

#### Surge Protection:

L-N 4kV; L-L, L-GND 6kV

#### Dimming Driver:

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

### Optical

#### Lifespan:

100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations.

#### Full Cutoff:

Full cutoff optics conform with dark sky requirements.

### Construction

#### IES Classification:

The Type IV distribution (also known as a Forward Throw) produces a semicircular distribute, and is especially suited for mounting on sides of buildings or walls and perimeter of parking areas.

#### Effective Projected Area:

EPA = 0.8

#### Vibration Rating:

Industry-leading 5G vibration rating per ANSI C136.31.

#### Cold Weather Starting:

Minimum starting temperature is -40° F (-40° C)

#### Ambient Temperature:

Suitable for use in 104° F (40° C) ambient temperatures.

#### Housing:

Precision die-cast aluminum housing.

#### Mounting:

Mounts to RAB square poles. Mounts to all square and round poles if optional Universal Pole Adaptor is used.

#### Lens:

Clear acrylic lens with integrated optics

#### IP Rating:

Ingress Protection rating of IP66 for dust and water

### Gaskets:

High temperature silicone gaskets.

### Finish:

Formulated for high-durability and long lasting color.

### Green Technology:

Mercury and UV free. RoHS compliant components. Polyester powder coat finish formulated without the use of VOC or toxic heavy metals.

### LED Characteristics

#### LEDs:

Long-life, high-efficiency surface mount LEDs

#### Color Stability:

LED color temperature is warranted to shift no more than 200K in CCT over a 5 year period.

#### Color Uniformity:

RAB's range of CCT (Correlated Color Temperature) follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2015.

### Other

#### 5 Yr Limited Warranty:

Fixture operation and paint finish are covered for a period of 5 years.

#### Replacement:

Replaces up to 400W Metal Halide.

**Technical Specifications (continued)**

**Other**

**Country of Origin:**

Designed by RAB in New Jersey and assembled in the USA by RAB's IBEW Local 3 workers.

**Buy American Act Compliant:**

This product is a COTS item manufactured in the United States, and is compliant with the Buy American Act.

**Recovery Act (ARRA) Compliant:**

This product complies with the 52.225-21 "Required Use of American Iron, Steel, and Manufactured Goods-- Buy American Act-- Construction Materials (October 2010).

**GSA Schedule:**

Suitable in accordance with FAR Subpart 25.4.

**Sensor Specifications**

**Operating Voltage:**

120V or 277V

**Power Consumption:**

1W

**0-10V Sinking Current:**

50mA

**Adjustable High and Low Modes:**

High: 0-10V; Low: off, 0-9.8V

**Time Delay:**

30 seconds, 1-30 minutes

**Adjustable Cut Off Delay:**

Time in which the fixture will remain on low mode with no motion before turning off and waiting for new motion to turn on: None, 1 -60 min., 1 -5 hrs.

**Adjustable Sensitivity:**

None, low, medium, maximum

**Adjustable Setpoint:**

None, 1 to 250 fc, auto

**Adjustable Ramp Up and Fade Down Times:**

1 to 60 sec.

**Operating Temperature:**

-40°F to 167°F (-40°C to +75°C)

**Operating Humidity:**

20% to 90% noncondensing

**Relay Life Rating:**

200,000 cycles (120/277VAC), 50,000 cycles (230VAC)

**IP Rating:**

Ingress Protection rating of IP66 for dust and water

**UL Listing:**

Suitable for Wet Locations as factory installed.

**Handheld Wireless Configuration Tool:**

Adjust settings using handheld wireless configuration tool. Only available with 0-10V dimming driver options.

**Multi Level Motion Sensor:**

40 ft. diameter coverage from 20 ft. height.

**Dimensions**



**Features**

- 100,000-hour LED lifespan
- Type IV distribution
- 5-year warranty

## Ordering Matrix

| Family | IES Type  | Wattage   | Color Temp   | Finish                                    | Driver Options  | Mounting  | Sensor Options  | Accessories  |
|--------|---|---|--|---|---|---|---|--|
| LOT    | 4T  | 160   | N  | W   | /D10  |   | /WS2  |  |
|        | <b>4T</b> = Type IV<br><b>110</b> = 110W<br><b>65</b> = 65W | <b>160</b> = 160W<br><b>110</b> = 110W<br><b>65</b> = 65W | <b>Blank</b> = 5000K (Cool)<br><b>N</b> = 4000K (Neutral)<br><b>Y</b> = 3000K (Warm) | <b>Blank</b> = Bronze<br><b>W</b> = White | <b>/D10</b> = 120-277V, 0-10V Dimming (standard)<br><b>/480/D10</b> = 480V, 0-10V Dimming | <b>Blank</b> = Mounts to RAB square poles<br><b>/UPA</b> = Universal Pole Adaptor | <b>Blank</b> = None<br><b>/PCT</b> = 120-277V Twistlock PC<br><b>/PCT4</b> = 480V Twistlock PC<br><b>/WS2</b> = Wattstopper Sensor + 20ft lens, 120-277V<br><b>/WS4</b> = Wattstopper Sensor + 40ft lens, 120-277V<br><b>/5PR</b> = 5-Pin Receptacle, no PCT<br><b>/7PR</b> = 7-Pin Receptacle, no PCT<br><b>/BL</b> = Bi-Level Dimming, 120-277V | <b>Blank</b> = None<br><b>/HS</b> = 2 House-Side-Shields |