



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

| Driver Info | | LED Info | |
|-------------|-------------------|----------------|------------------|
| Type | Constant Current | Watts | 100/80/50W |
| 120V | 0.83A/0.64A/0.44A | Color Temp | 3000/4000/5000K |
| 208V | 0.60A/0.40A/0.25A | Color Accuracy | 81-84 CRI |
| 240V | 0.50A/0.35A/0.21A | L70 Lifespan | 100,000 Hours |
| 277V | 0.39A/0.29A/0.19A | Lumens | 7,357-15,508 lm |
| Input Watts | 46.4-96.6W | Efficacy | 141.3-176.5 lm/W |

Technical Specifications

Field Adjustability

Field Adjustable:

Field Adjustable Light Output:
100W/80W/50W (factory default 80W)
Color temperature selectable by 3000K, 4000K and 5000K (factory default 4000K)

Compliance

UL Listed:

Suitable for wet 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.

IP Rating:

Ingress protection rating of IP65 for dust and water

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.

Performance

Lifespan:

100,000-Hour LED lifespan based on IESlm-80 results and TM-21 calculations

Wattage Equivalency:

100W: Replaces up to 400W Metal Halide (MH) or 310W High Pressure Sodium (HPS)
80W: Replaces up to 350W Metal Halide (MH) or 250W High Pressure Sodium (HPS)
50W: Replaces up to 200W Metal Halide (MH) or 150W High Pressure Sodium (HPS)

Electrical

Driver:

100W: Constant Current, Class 1, Class P, 120-277V, 50/60 Hz, 120V: 0.83A, 208V: 0.60A, 240V: 0.50A, 277V: 0.39A
80W: Constant Current, Class 1, Class P, 120-277V, 50/60 Hz, 120V: 0.64A, 208V: 0.40A, 240V: 0.35A, 277V: 0.29A
50W: Constant Current, Class 1, Class P, 120-277V, 50/60 Hz, 120V: 0.44A, 208V: 0.25A, 240V: 0.21A, 277V: 0.19A

Dimming Driver:

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

Surge Protection:

L-L: 4 kV; L/N-G: 6 kV

Photocell:

Integrated photocell included with on/off switch

Optical

IES Classification:

The Type III distribution is ideal for roadway, general parking and other area lighting applications where a larger pool of lighting is required. It is intended to be located near the side of the area, allowing the light to project outward and fill the area.

BUG Rating:

100W: B3 U0 G2
80W: B2 U0 G2
50W: B2 U0 G1

LED Characteristics

LEDs:

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

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 -40°F (-40°C)

Technical Specifications (continued)**Maximum Ambient Temperature:**

Suitable for use in up to 104°F (40°C)

Lens:

Clear polycarbonate lens

Housing:

Die-cast aluminum housing, lens frame and mounting arm

Effective Projected Area (EPA):

EPA = 0.3

Vibration Rating:

3G

Finish:

Formulated for high durability and long-lasting color

Green Technology:

Includes recycled plastic and RoHS-compliant components.

Installation**Mounting:**

Wall mount

Sensor Settings**Operating Voltage:**

DC10.5-15V >30mA

Operating Temperature:

Ta: -31° F (-35° C)* ~ +122° F(+50° C)

Sensor Warranty:

5-year sensor warranty

Sensitivity:

100%

Standby Period:

0s/10s/30s/1min/5min/10min/30min/60min/+∞

Daylight:

2Lux/10Lux/30Lux/50Lux/80Lux/120Lux/Disable

Hold Time:

20 minutes

Standby Dimming:

10%/20%/30%/50%

Detection Angle:

<120° Fresnel Lens

Detection Distance:

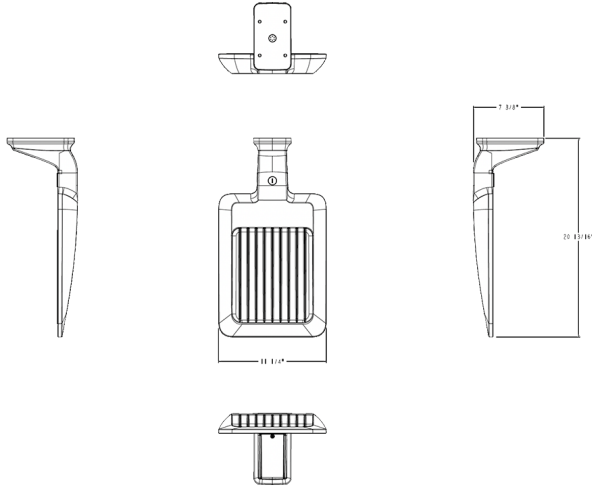
Radius 9.84-19.68 ft(3-6m)

Mounting Height:

Max 39.37 ft.(12m)

Remote Control Accessory:Adjust settings using remote control (catalog# MSR1). Only available with 0-10V dimming driver options. [Remote control available here.](#)**Other****5-Year Limited Warranty:**The RAB 5-year, limited warranty covers light output, driver performance and paint finish. RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty.

Dimensions



Features

- 100,000-hour LED Life
- 0-10V dimming standard
- IP65 rating protects against dust and water
- 5-Year, limited warranty

Ordering Matrix

| Family | Distribution | Size/Wattage | Mounting | Color Temp | Finish | Driver | Options |
|--------|--|--|--|--|-----------------------------|---|---|
| A34 | T3 | S | WM | | W | | /PIR |
| | T4 = Type IV T5 = Type V T3 = Type III | S = Small 100/80/50W M = Medium 150/125/100W L = Large 250/200/150W XL = Extra Large 340/270/220W | Blank = Universal Pole Mount SF = Slipfitter Mount WM = Wall Mount | Blank = 3000/4000/5000K CCT Adjustable | Blank = Bronze W = White | Blank = 120-277V, 0-10V Dimming /480 = 480V, 0-10V Dimming | Blank = No Option /PIR = Passive Infrared Occupancy Sensor /MVS = Microwave Motion Sensor /LCBS = Lightcloud Blue w/PIR Sensor /LCBS/MVS = Lightcloud Blue w/MVS Sensor |

¹ 480V available on M, L, and XL models only.