



Project:	Type:
Prepared By:	Date:

Driver Info		LED Info	
Type	Constant	Watts	100/85/70/50W
120V	N/A	Color Temp	3000K/4000K/5000K
208V	N/A	Color Accuracy	82-85 CRI
240V	N/A	L70 Lifespan	100,000 Hours
277V	N/A	Lumens	5,992-14,496 lm
Input Watts	46.6-102.1W	Efficacy	114.5-158.1 lm/W

Technical Specifications

Field Adjustability

Cutoff Adjustability:

45°, 30°, 15° and 0° (factory default 45°)

Field Adjustable:

Field Adjustable Light Output:
100W/85W/70W/50W (factory default 100W)
Color temperature selectable 3000K, 4000K and 5000K (factory default 4000K)

Compliance

UL Listed:

Suitable for wet locations

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: S-B545D5

Electrical

Driver:

Constant Current, Class 1, 480V, 50/60 Hz:
100W: 480V: 0.23A
85W: 480V: 0.20A
70W: 480V: 0.16A
50W: 480V: 0.12A

Dimming Driver:

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

Photocell:

Integrated photocell included with on/off switch

Surge Protection:

DM 4KV+ CM 6KV

Performance

Lifespan:

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

Performance Data:

[Click here for the W22-M-100/480 performance data](#)

Wattage Equivalency:

100W: Replaces up to 400W Metal Halide (MH) or 310W High Pressure Sodium (HPS)
85W: Replaces up to 400W Metal Halide (MH) or 250W High Pressure Sodium (HPS)
70W: Replaces up to 350W Metal Halide (MH) or 200W High Pressure Sodium (HPS)
50W: Replaces up to 250W Metal Halide (MH) or 200W High Pressure Sodium (HPS)

LED Characteristics

LEDs:

Long-life, high-efficacy, 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

Housing:

Die-cast aluminum

Mounting:

Surface mount for recessed junction box; 3 conduit entry points

Lens:

Glass

Reflector:

Aluminum

Cold Weather Starting:

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

Maximum Ambient Temperature:

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

Technical Specifications (continued)

Green Technology:

Mercury and UV free. RoHS-compliant components.

Finish:

Formulated for high durability and long-lasting color

Optical

BUG Rating:

100W: B3 U5 G5

85W: B2 U4 G5

70W: B2 U4 G5

50W: B2 U4 G4

Other

5 Yr 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.

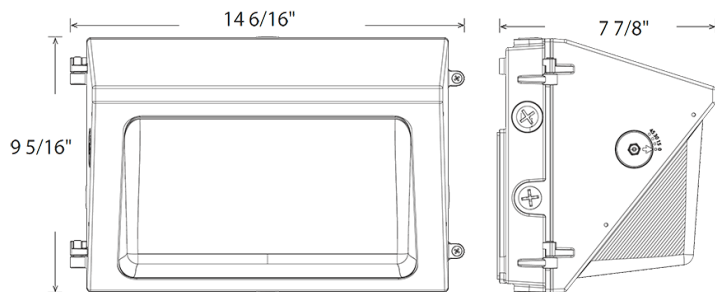
Note:

All values are typical (tolerance +/- 10%)

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.

Dimensions



Features

- 100,000-Hour LED lifespan
- 0-10V dimming standard
- 5-Year, limited warranty

Ordering Matrix

Family	Housing Size	Wattage	Color Temp	Finish	Forward Throw	Voltage	Options
W22	M	100		W		/480	
	S = Small M = Medium L = Large	30 = 30/25/20/15W 60 = 60/50/40/30W 100 = 100/85/70/50W 150 = 150/125/100/75W	Blank = 3000K/4000K/5000K Adjustable	Blank = Bronze W = White	Blank = Adjustable Throw 0°/15°/30°/45°	Blank = 120-277V /480 = 480V	Blank = Selectable Photocell /E = Selectable Photocell w/Battery Backup