



Project:	Type:
Prepared By:	Date:

Driver Info		LED Info	
Type	Constant	Watts	100/85/70/50W
120V	0.83A	Color Temp	3000/4000/5000K
208V	0.48A	Color Accuracy	82-85 CRI
240V	0.42A	L70 Lifespan	100,000 Hours
277V	0.36A	Lumens	6,170-14,087 lm
Input Watts	49.1-97.1W	Efficacy	116.5-159.2 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-LMFD7M

Electrical

Driver:

Constant Current, Class 1, 120-277V, 50/60 Hz:
100W: 120V: 0.83A, 208V: 0.48A, 240V: 0.42A, 277V: 0.36A

85W: 120V: 0.72A, 208V: 0.41A, 240V: 0.36A, 277V: 0.31

70W: 120V: 0.60A, 208V: 0.34A, 240V: 0.30A, 277V: 0.26A

50W: 120V: 0.41A, 208V: 0.24A, 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%.

Photocell:

Integrated photocell included with on/off switch

Battery Backup:

Battery backup will operate the fixture for 90 minutes if power fails. Wired for 120-277V.

Battery Backup Light Loss Factor:

100W: 0.2
85W: 0.22
70W: 0.25
50W: 0.35

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 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.

Technical Specifications (continued)

Construction

Housing:

Die-cast aluminum

Lens:

Glass

Reflector:

Aluminum

Cold Weather Starting:

The minimum starting temperature is 0°C/32°F
Ambient Temperature

Maximum Ambient Temperature:

Suitable for use in up to 50°C (122°F)

Green Technology:

Mercury and UV free. RoHS-compliant components.

Finish:

Formulated for high durability and long-lasting color

Installation

Mounting:

Surface mount for recessed junction box; 3 conduit
entry points

Optical

BUG Rating:

100W: B3 U5 G5

85W: B2 U4 G5

70W: B2 U4 G5

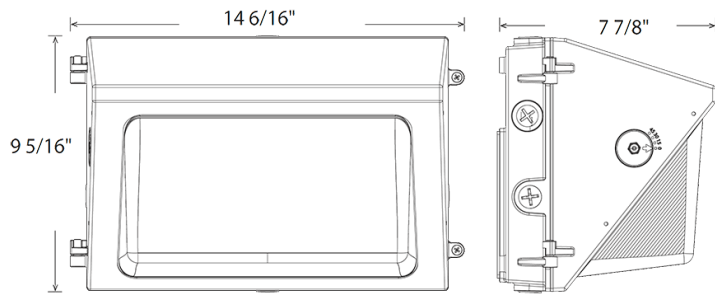
50W: B2 U4 G4

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.

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	Driver	Options
W22	M	100		W			/E
	S = Small M = Medium L = Large	30 = 30/25/20/15W ¹ 60 = 60/50/40/30W ² 100 = 100/85/70/50W ² 150 = 150/125/100/75W ³	Blank = 3000/4000/5000K 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 ⁴

¹ S (Small) models only

² M (Medium) models only

³ L (Large) models only

⁴ Battery backup available only on M (Medium) and L (Large) models with 120-277V