



Color: Black

Weight: 36.5 lbs

Project:	Type:
Prepared By:	Date:

Driver Info		LED Info	
Type	Constant Current	Watts	500W
120V	N/A	Color Temp	5700K
208V	2.54A	Color Accuracy	74 CRI
240V	2.19A	L70 Lifespan	100,000 Hours
277V	1.89A	Lumens	73,229 lm
Input Watts	506.1W	Efficacy	144.7

Technical Specifications

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 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-2FTHKL

Electrical

Driver:

Constant Current, Class 1, 200-480V, 50/60 Hz, 208V: 2.54A 240V: 2.19A, 277V: 1.89A, 480V: 1.09A

Dimming Driver:

Driver includes wiring for 0-10V dimming systems. Dim as low as 10%.

THD:

5.33% at 480V

Power Factor:

95.3% at 480V

Surge Protection:

20kV

Aux Power Supply:

Yes

Dim to Off:

Yes

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.

Performance

Lifespan:

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

Construction

Cold Weather Starting:

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

Maximum Ambient Temperature:

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

Housing:

Precision die-cast aluminum

Lens:

Polycarbonate lens

Tilt Increment:

Continuous tilting with 5° increments

Effective Projected Area (With Shield):

0°: 1.2864
 15°: 1.2934
 25°: 1.43
 45°: 1.7071
 60°: 1.873
 75°: 2.0015
 90°: 2.0669

Gaskets:

High-temperature silicone

Finish:

Formulated for high durability and long-lasting color

Green Technology:

Mercury and UV free. RoHS-compliant components.

Technical Specifications (continued)

Installation

Mounting:

Trunnion mount with stainless steel hardware

Optical

NEMA Type:

NEMA Beam Spread of 2H x 2V

Other

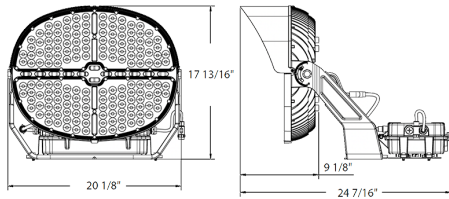
10 Yr Limited Warranty:

The RAB 10-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.

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
- IP65 rating protects against dust and water
- 10-Year, Limited warranty

Ordering Matrix

Family	Wattage	Color Temp	Mounting	Optics	Finish	Driver	Options
P1	S			B22		/480	
	S = 500W M = 600W L = 850W XL = 1200W	Blank = 5700K	Blank = Yoke Mount	Blank = 4H x 4V B33 = 3H x 3V B22 = 2H x 2V	Blank = Black	Blank = 120-277V, 0-10V Dimming /480 = 200-480V, 0-10V Dimming	Blank = No Option /LC = Lightcloud