P1LB22

RAB

Project:	Type:
Prepared By:	Date:

Color: Black   Weight: 56.7 lbs

Driver Info

Type	Constant Current
120V	6.96A
208V	4.00A
240V	3.45A
277V	3.01A
Input Watts	843.5W

LED Info

Watts	850W
Color Temp	5700K
Color Accuracy	74 CRI
L70 Lifespan	100,000 Hours
Lumens	121,128 lm
Efficacy	143.6

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-PXGSD9

Electrical

Driver:
Constant Current, Class 1, 120-277V, 50/60 Hz, 120V: 6.96A, 208V: 4.00A, 240V: 3.45A, 277V: 3.01A

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

THD:
3.55% at 120V, 4.51% at 277V

Power Factor:
99.9% at 120V, 97.7% at 277V

Surge Protection:
10kV

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°: 1.67
15°: 1.7642
25°: 1.8914
45°: 2.2483
60°: 2.4786
75°: 2.6644
90°: 2.774

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:
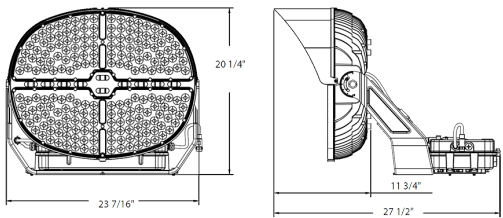NEMA Beam Spread of 2H x 2V

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

20 1/4"
23 7/16"
11 3/4"
27 1/2"

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	L			B22			
	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