



Rectangular shaped LED floodlight with patent pending airflow fins to keep it running cool. Suggested application: building facades, signage, landscapes.

Color: Bronze

Weight: 40.8 lbs

Project:

Type:

Prepared By:

Date:

Driver Info

Type: Constant Current
120V: 1.58A
208V: 0.94A
240V: 0.82A
277V: 0.69A
Input Watts: 188W
Efficiency: 96%

LED Info

Watts: 180W
Color Temp: 4000K (Neutral)
Color Accuracy: 74 CRI
L70 Lifespan: 100,000
Lumens: 28082
Efficacy: 150 LPW

Technical Specifications

Listings

UL Listing:

Suitable for wet locations. Suitable for mounting within 1.2m (4ft) of the ground.

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.

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.

DLC Product Code: PT4BLCY1

Electrical

Driver:

Constant Current, Class 1, 120-277V, 50/60 Hz, 120V: 1.58A, 208V: 0.94A, 240V: 0.82A, 277V: 0.69A

Dimming Driver:

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

THD:

6% at 120V, 8.7% at 277V

Power Factor:

99.8% at 120V, 96.2% at 277V

Surge Protection:

4kV

LED Characteristics

Note:

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

LEDs:

Multi-chip, high-output, long-life LEDs

Lifespan:

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

Color Stability:

LED color temperature is warranted to shift no more than 200K in CCT over a 5 year period

Color Uniformity:

RAB's range of CCT (Correlated Color Temperature) follows the guidelines of the American National Standard for (SSL) Products, ANSI C78.377-2017.

Construction

IP Rating:

Ingress Protection rating of IP66 for dust and water

Cold Weather Starting:

Minimum starting temperature is -40°C (-40°F)

Ambient Temperature:

Suitable For use in 40°C (104°F) ambient temperatures

Thermal Management Housing:

Superior heat sinking with external Air-Flow fins

Housing:

Die-cast aluminum housing, lens frame and mounting arm

Mounting:

Heavy-duty Slipfitter for 2 3/8"OD pipe

Lens:

Clear glass lens

Reflector:

Specular vacuum metalized polycarbonate

Effective Projected Area:

EPA = 2.1

Gaskets:

High-temperature silicone gaskets

Finish:

Formulated for high-durability and long lasting color

Green Technology:

Mercury and UV-free. RoHS compliant components.

Optical

NEMA Type:

NEMA Beam Spread of 7H x 6V

Technical Specifications (continued)

Other

Warranty:

RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish. RAB's warranty is subject to all terms and conditions found at

Patents:

The FFLED design is protected by U.S. Pat. D643,147, Canada Pat. 140798, China Pat. ZL201130171304.1, Mexico Pat. 36757 and pending patent in Taiwan.

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.

Features

Ultra efficient LED and optical design

100,000 hour life based on LM-80 tests

Air-flow technology heatsink

5-Year, No-Compromise Warranty

Ordering Matrix

Family	Wattage	Mounting	Color Temp	Beam Spread	Finish	Driver Options	Options
FFLED	180	SF	N	Λ	Λ	/D10	Λ
	180 = 180W	SF = Slipfitter	Blank = 5000K (Cool)	Blank = 7H x 6V	Blank = Bronze	/D10 = 120-277V, 0-10V Dimming	Blank = No Option
	230 = 230W	T = Trunnion	N = 4000K (Neutral) Y = 3000K (Warm)		W = White	/480/D10 = 480V w/ 0-10V Dimming	/7PR = 7 Pin Receptacle /PCT = 3 Pin Twistlock Photocell 120-277V /PCT4 = 3 Pin Twistlock Photocell 480V /LC = Lightcloud® Controller /SP = 10KV Surge Suppressor