A17XFU150B/LCBS/MVS



Color: Black

Weight: 11.6 lbs

Project:	**Type:**
Prepared By:	**Date:**

Driver Info

Type	Constant Current
120V	1.21A/0.97A/0.81A
208V	0.70A/0.56A/0.47A
240V	0.63A/0.51A/0.42A
277V	0.53A/0.45A/0.38A
Input Watts	97-151.7W

LED Info

Watts	150W
Color Temp	3000/4000/5000K
Color Accuracy	81-84 CRI
L70 Lifespan	100,000 Hours
Lumens	15,177-23,339 lm
Efficacy	145.6-165.7 lm/W

Technical Specifications

Field Adjustability

Field Adjustable:
Field Adjustable Light Output:
150W/120W/100W (factory default 150W)
Color temperature (selectable by 3000K, 4000K and 5000K)

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 family is listed with the DesignLights Consortium (DLC). Individual SKUs within this family may carry either a DLC Standard or DLC Premium qualification. Please refer to the individual product specification sheet or the DLC Qualified Products List (QPL) at designlights.org to confirm the qualification status of a specific SKU prior to specification or purchase.

Electrical

Driver:
150W: Constant Current, Class 1, 120-277V, 50/60 Hz, 120V: 1.21A, 208V: 0.70A, 240V: 0.63A, 277V: 0.53A
120W: Constant Current, Class 1, 120-277V, 50/60 Hz, 120V: 0.97A, 208V: 0.56A, 240V: 0.51A, 277V: 0.45A
100W: Constant Current, Class 1, 120-277V, 50/60 Hz, 120V: 0.81A, 208V: 0.47A, 240V: 0.42A, 277V: 0.38A

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

THD:
3.01% at 120V, 5.56% at 277V

Power Factor:
99.9% at 120V, 96.2% at 277V

Surge Protection:
10 kV

7-Pin Receptacle:
ANSI C136.41 7-pin receptacle, compatible with wireless control systems

Performance

Lifespan:
100,000-Hour LED lifespan based on IESlm-80 results and TM-21 calculations

Optical

IES Classification:
The Type III distribution is ideal for roadway, general parking and other area lighting applications where a larger pool of lighting is required. It is intended to be located near the side of the area, allowing the light to project outward and fill the area.

LED Characteristics

LEDs:
Long-life, high-efficiency, 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

Cold Weather Starting:
The minimum starting temperature is -40°F (-40°C)

Copyright © 2026 RAB Lighting All Rights Reserved Note: Specifications are subject to change at any time without notice

Technical Specifications (continued)

Ambient Temperature :
Max Power Temp Rating: 104°F (40°C)
Middle Power Temp Rating: 51°C (123°F)
Low Power Temp Rating: 56°C (132°F)

Lens:
Polycarbonate lens

Housing:
Die-cast aluminum housing, lens frame and mounting arm

Vibration Rating:
3G vibration rating per ANSI C136.31

EPA:
1 Fixture: 0.46
2 Fixtures at 90°: 0.60
2 Fixtures at 180°: 0.93
3 Fixtures at 90°: 0.93
4 Fixtures at 90°: 0.93

EPA with Slipfitter & Adjustable Arm Mounting Accessories (Sold Separately)
1 Fixture: 0.66
2 Fixtures at 90°: 0.80
2 Fixtures at 180°: 1.32
3 Fixtures at 90°: 1.32
4 Fixtures at 90°: 1.32

Green Technology:
Mercury and UV free. RoHS-compliant components.

Installation

Mounting:
Universal mounting arm compatible for hole spacing patterns from 1" to 5 1/2" center to center. Round Pole adapter plate included as a standard. Easy slide and lock to mount fixture with ease. Round pole diameter must be >4" to mount fixtures at 90° orientation.

Other

5-Year 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.

Lightcloud

Lightcloud Blue:
Lightcloud Blue, RAB's wireless lighting control system, eliminates the need for a hub or controller. The app shows the fixtures nearest you first, so an area is set up in minutes, even without internet on site. Lights and schedules keep working if the Wi-Fi goes down, and a Nano adds control from anywhere.
DLC system: N1XMLOEATBA (Interior); NHCZ2BIA17L (Exterior)
Learn more at rablighting.com/lcb.

Gateway Required:
No

Communication Protocol:
Bluetooth

Range:
Indoor: Up to 60 feet between standard building materials. Building materials such as brick, concrete, and steel construction may require additional Lightcloud Blue devices to extend around an obstruction; Up to 200 feet clear line of sight.

Outdoor: Up to 60 feet clear line of sight; Up to 18 feet around corners

Spacing Criteria:
Lightcloud Blue devices should be placed within the specified range to communicate within the network. Building materials such as brick, concrete, and steel construction or heavy vegetation, bushes or trees may require additional Lightcloud Blue devices to extend around an obstruction.

Sensor Settings

Sensor Connection Type:
Pogo pin

Max Mounting Height:
50 ft

Detection Range:
50 ft diameter mounted at 50 ft

Sensor Technology:
Microwave (MVS)

Default Setting:
Uncommissioned State:
Motion Sensitivity: High
Brightness when triggered: 100%
Hold time: 20 minutes
Standby to dim: 20%
Standby time: 1 minute
When vacant: Off

Commissioned State:
Once paired, the sensor will default to disabled.
Once enabled the following settings apply:
Motion Sensitivity: High
Brightness when triggered: Last on status
Hold time: 20 minutes
Standby time: 1 minute
When vacant: Off

Adjustable Sensor Settings?:
Yes, using the Lightcloud Blue mobile app

Sensing Type:
Occupancy or Vacancy (option to disable or set as an independent sensor)

Occupied Actions:
On or On at a Dim Level

Vacant Actions:
Off or On at a Dim Level

Occupancy Timeout:
1 minute to 240 minutes

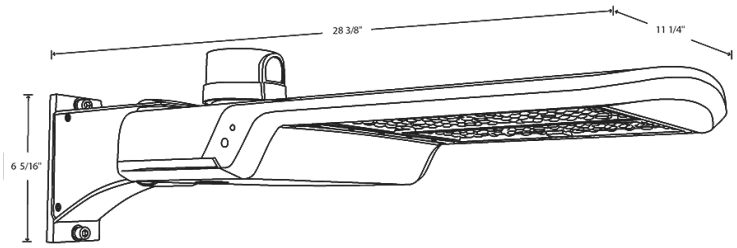
Daylight Sensing:
The sensor will determine to trigger the light(s) on or not based on the daylight threshold level set in the Lightcloud Blue mobile app.

Daylight Threshold:
150 lux to 1500 lux

Copyright © 2026 RAB Lighting All Rights Reserved Note: Specifications are subject to change at any time without notice

A17XFU150B/LCBS/MVS

Dimensions



Features

Color Adjustable: 3000/4000/5000K

3-Pin Twistlock Photocell and shorting cap included

Integrated NEMA 7-pin receptacle enables easy upgrade to smart controls

0-10V Dimming, standard

100,000-hour LED lifespan

5-Year, limited warranty

Ordering Matrix

Family	Wattage	Color Temp	Driver	Finish	Options
A17 XFU	150			B	/LCBS/MVS
	150 = 150/120/100W **300 =** 300/240/200W	**Blank =** 3000/4000/5000K CCT Adjustable	**Blank =** 120-277V, 0-10V Dimming	**RG =** Roadway Gray **W =** White **B =** Black **Blank =** Bronze	**/LCBS/MVS =** Lightcloud Blue w/MVS Sensor **/LCBS =** Lightcloud Blue w/PIR Sensor **/LC =** Lightcloud **Blank =** No Option

Type II distribution available as special order.
Wall mount and roadway arm mount available as optional accessories.

Copyright © 2026 RAB Lighting All Rights Reserved Note: Specifications are subject to change at any time without notice