

A22-5T150W/480/LCBS



Project:	Type:
Prepared By:	Date:

Driver Info		LED Info	
Type	Constant	Watts	150/120/100W
120V	N/A	Color Temp	N/A
208V	N/A	Color Accuracy	80-84 CRI
240V	N/A	L70 Lifespan	100,000 Hours
277V	N/A	Lumens	15,452-22,278 lm
Input Watts	100.6-145.2W	Efficacy	139.9-166.2 lm/W

Technical Specifications

Field Adjustability

Field Adjustable:

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

Compliance

UL Listed:

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

IP Rating:

Ingress protection rating of IP66 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.

Performance

Lifespan:

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

Electrical

Driver:

Constant Current, Class 1, 480V, 50/60 Hz:
150W: 480V: 0.32A
120W: 480V: 0.25A
100W: 480V: 0.21A

Dimming Driver:

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

THD:

20.33% at 480V

Power Factor:

87.5% at 480V

7-Pin Receptacle with Shorting Cap:

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

Surge Protection:

6 kV

Optical

IES Classification:

The Type V distribution produces light in a wide and uniform 360° pattern that is perfect for large outdoor areas such as parking lots, corporate parks and retail settings

BUG Rating:

Type 5
150W: B4 U0 G2
120W: B4 U0 G2
100W: B4 U0 G2

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.

Construction

Cold Weather Starting:

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

Maximum Ambient Temperature:

Suitable for use in up to 104°F (40°C)



Technical Specifications (continued)

Lens: Polycarbonate lens	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	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
Housing: Die-cast aluminum	Spacing Criteria: Lightcloud Blue devices should be placed within the specified range to communicate within the Bluetooth Mesh network.	Adjustable Sensor Settings?: Yes, using the Lightcloud Blue mobile app
Effective Projected Area (EPA): 1 Fixture: 0.4 2 Fixtures: 0.8 3 Fixtures: 1.4 4 Fixtures: 1.4	Factory Reset: Method 1: Delete from App Open the app and access the device settings for the paired device. Be sure that the device is online and select 'Delete from Site'. The device will flash on/off 5 times and return to full brightness. Method 2: Manual Power the device off and on 5x consecutively. Do not allow less than 4s to elapse from switching off to on. Do not allow more than 2s to elapse from switching on to off. The device will flash 3x, then reset to 100% brightness at default CCT. Method 3: Rapid Reset Tool The Rapid Reset process must be done by a professional electrician qualified by RAB. Reach out to your RAB sales manager to request a Rapid Reset Tool. The tool simply needs to be placed directly on the small Lightcloud Blue logo on the device for 2s or until the lamp/luminaire flashes 3x, then resets to 100% brightness at the default CCT.	Sensing Type: Occupancy or Vacancy (option to disable or set as an independent sensor)
Finish: Formulated for high durability and long-lasting color	Sensor Settings	Occupied Actions: On or On at a Dim Level
Gaskets: High-temperature silicone gaskets	Sensor Connection Type: Pogo pin	Vacant Actions: Off or On at a Dim Level
Green Technology: Mercury and UV free. RoHS-compliant components.	Max Mounting Height: 40 ft	Occupancy Timeout: 1 minute to 240 minutes
Other	Detection Range: 40 ft diameter mounted at 40 ft	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.
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 .	Sensor Technology: Passive Infrared (PIR)	Daylight Threshold: 150 lux to 1500 lux
Lightcloud		
Lightcloud Blue: Lightcloud Blue is a Bluetooth Mesh wireless lighting control system that allows you to control RAB's various compatible devices. With RAB's patented Rapid Provisioning technology, devices can be quickly and easily commissioned for residential and large commercial applications using the Lightcloud Blue mobile app. Each device in a system can communicate with any other device, eliminating the need for a Gateway or Hub and maximizing the control system's reach. DLC system - N1XMLOEATBA (Interior); NHCZ2BIA17L (Exterior) Learn more at www.rablighting.com/feature/new-lightcloud-blue .		
Gateway Required: No		
Communication Protocol: Bluetooth Mesh		

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Dimensions



Features

- DLC Premium listed
- Adjustable Universal Pole Mount
- 7-Pin Receptacle with Shorting Cap
- IP66 Rated
- 100,000-Hour LED lifespan
- 5-Year, limited warranty

Ordering Matrix

Family	Optics	Wattage	Mounting	Color Temp	Finish	Driver	Options
A22	-	5T	150		W	/480	/LCBS
	2T = Type II 4T = Type IV 5T = Type V Blank = Type III	70 = 70/60/50W 100 = 100/80/60W 150 = 150/120/100W 200 = 200/180/160W 320 = 320/280/250W	Blank = Universal Adjustable Pole Mount Blank = Universal Non-Adjustable Pole Mount	Blank = 3000/4000/5000K CCT Adjustable Y = 3000K	Blank = Bronze W = White B = Black	Blank = 120-277V, 0-10V Dimming /480 = 480V, 0-10V Dimming	Blank = 7-Pin Receptacle with Shorting Cap /MVS = 7-Pin Receptacle with Shorting Cap and Microwave Motion Sensor /LCBS = Lightcloud Blue w/PIR Sensor /LCBS/MVS = Lightcloud Blue w/MVS Sensor