Lightcloud Blue-Ready Post Top

RAB

KEY FEATURES

- **Adjustable wattage** and **CCT** allows for in-field customization
- Make it **tunable white** with the Lightcloud Blue 5-Pin Plug-In Controller
- Integral driver enables lamp to **be wired directly** to line voltage without need for an external driver or ballast
- Rated for use in enclosed fixtures in **dry** or **damp** locations
- **AUX port** for integrating individual, lamp-level controls
- **5-Year, No-Compromise Warranty**

Field Adjustable with 5-pin sensor port

| TUNABLE WHITE* | SMARTSHIFT* | BLUETOOTH* MESH | SENSOR PORT | IP RATING | 80 CRI | DAMP RATED | ENCLOSED RATED | 50,000 HOURS | DIMMABLE | RoHS |
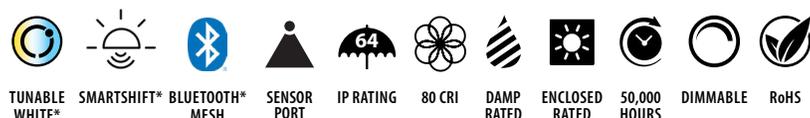
PERFORMANCE

Catalog Number	Equivalency	Input Wattage	Lumens (Nominal)	Efficacy	Input Voltage	Color Temperature	CRI	L70 Lifespan
HID-54S-EX39-8TW-BYP/LCBR	150W/175W/200W Metal Halide	36W/ 45W/ 54W	4,860/ 6,075/ 7,290 Lm	135Lm/W	100-277V	Field adjustable via dip switch 3000K/4000K/5000K Tunable white 3000K-5000K with 5-Pin Plug-In Controller/Sensor	80+	50,000 hours

TECHNICAL SPECIFICATIONS

LIGHTCLOUD BLUE FEATURES*

Tunable White
Add the 5-Pin Plug-In Controller/Sensor to adjust the color temperature from 3000K to 5000K via the Lightcloud Blue Remote or mobile app.

Direct Connect
Use the Lightcloud Blue mobile app to connect to your lamps in minutes via Bluetooth Mesh; no Gateway or Hub required.

Mobile App Control
Use the Lightcloud Blue mobile app to configure features for On/Off Control, Dim Level, Color Temperature, Schedules, Scenes, SmartShift and more.

SmartShift Circadian Lighting
Automatically tunes the color and intensity of lights throughout the day, mimicking the sun's natural pattern.

Scalable
Devices within 60 feet of each other can communicate within the Bluetooth Mesh network to manage a maximum of up to 3,000 devices per account.

Motion Sensing
Add the 5-Pin Controller with an integrated passive infrared (PIR) or microwave (MVS) sensor for dual technology motion detection and open loop daylight sensing. Program the sensor settings using the Lightcloud Blue mobile app.

Requires a 5-pin plug-in Lightcloud Blue Controller for use with the control system.

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TECHNICAL SPECIFICATIONS (CONT.)

LIGHTCLOUD BLUE 5-PIN CONTROLLER

Gateway Required
No

Communication Protocol
Bluetooth Mesh

SmartShift
Add the Lightcloud Blue 5-Pin Plug-in Controller to take advantage of SmartShift circadian lighting.

SmartShift is the most advanced - yet easiest to use - circadian lighting system, which syncs white color tuning with the local sunrise and sunset.

Range
Up to 60 feet between standard building materials
Up to 200 feet clear line of sight

Spacing Criteria
Lightcloud Blue devices should be placed within the specified range to communicate within the Bluetooth Mesh network.

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'.

Method 2: 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 flashes 3x, then resets to 100% brightness at the default CCT.

Sensor Max Mounting Height
Lightcloud Blue devices should be placed within the specified range to communicate within the Bluetooth Mesh network.

Sensor Detection Range
32 ft. diameter mounted at 39 ft.

CONSTRUCTION

Product Type
HID Replacement

Bulb Shape
Post top w/ 5-pin sensor port

Enclosure Material
Polycarbonate

Endcap Material
Metal

Finish
Clear

Lens Finish
Clear

Base Type
EX39

Beam Angle
360°

INSTALLATION

Installation Method
UL Type B, Ballast Bypass

Installation Orientation
Vertical/Horizontal

COMPLIANCE

Safety Listing
UL Listed, UL Classified

Environment
Suitable for use in dry and damp environments

Fixture Rating
Suitable for use in enclosed fixtures

IP Rating
IP64

DLC Listed
This product is on the Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities. Designed to meet DLC 5.1 requirements.
DLC Product Code: N1XMLOEATBA
Learn more about Lightcloud Blue.

T20 Compliant
Not compliant

California Title 24 JA8 Compliant
Not compliant

California Energy Commission (CEC) Status
Lawful for Sale in California

FCC
Complies with Part 15 of the FCC Rules.

RoHS
Mercury and UV free. RoHS-compliant components.

ELECTRICAL

Dimmable
Yes via the Lightcloud Blue mobile app and devices

This lamp will not operate properly when connected to a standard (incandescent) dimmer or dimming control.

Power Factor
≥0.9

THD
≤20

Input Voltage
100-277V

Operating Frequency
50-60Hz

Surge Protection
4kV

Operating Temperature
-22°F to 140°F *(-30℃ to 60℃)*

Flicker
<30%

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TECHNICAL SPECIFICATIONS (CONT.)

LED CHARACTERISTICS

Color Temperature
Field adjustable via dip switch 3000K/4000K/5000K
Tunable white 3000K-5000K with Lightcloud Blue 5-Pin Plug-in Controllers

Color Accuracy (CRI)
≥80 CRI

R9 Value
High color performance with R9 no less than 0

Color Consistency
<6-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color

Color Stability
LED color temperature is warrantied to shift no more than 200K in color temperature over a 5-year period

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.

OTHER

Compatible Products
Add the Lightcloud Blue 5-Pin Plug-in Controller with optional sensor to connect to the Lightcloud Blue Bluetooth Mesh Wireless Network Lighting Control System. Learn more about Lightcloud Blue.

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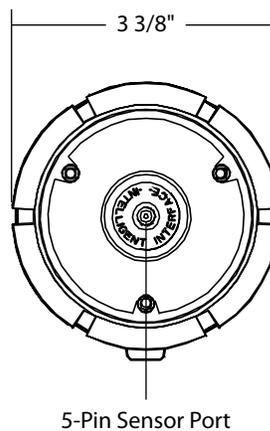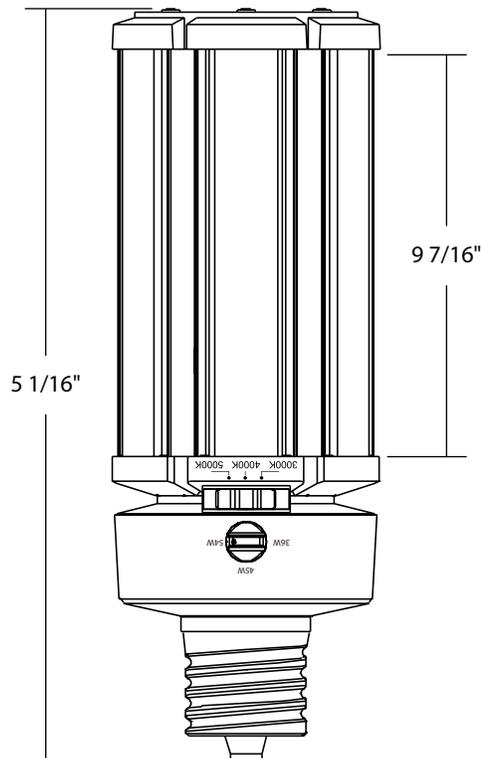
Note
All values are typical (tolerance +/- 10%)

DIMENSIONS

HID 36W/45W/54W
Weight: 1.98 lbs

9 7/16"

5 1/16"

3 3/8"

5-Pin Sensor Port

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ACCESSORIES (SOLD SEPARATELY)

Surge protector

Step down transformer

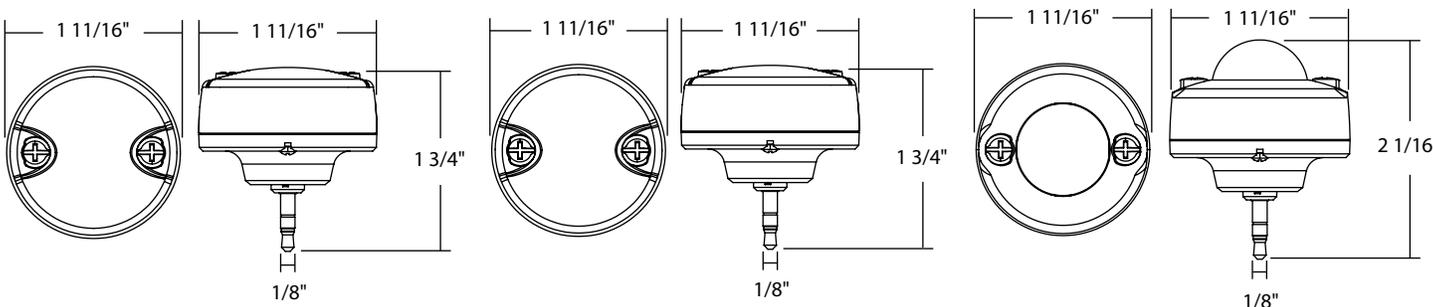| Catalog Number	UPC	Description
SP10KV	019813749273	HID Replacements 10KV surge protector
XFMR200-480-277	019813833071	HID Replacements XFMR200 transformer 200W 480V

Lightcloud Blue 5-pin controllers/sensors
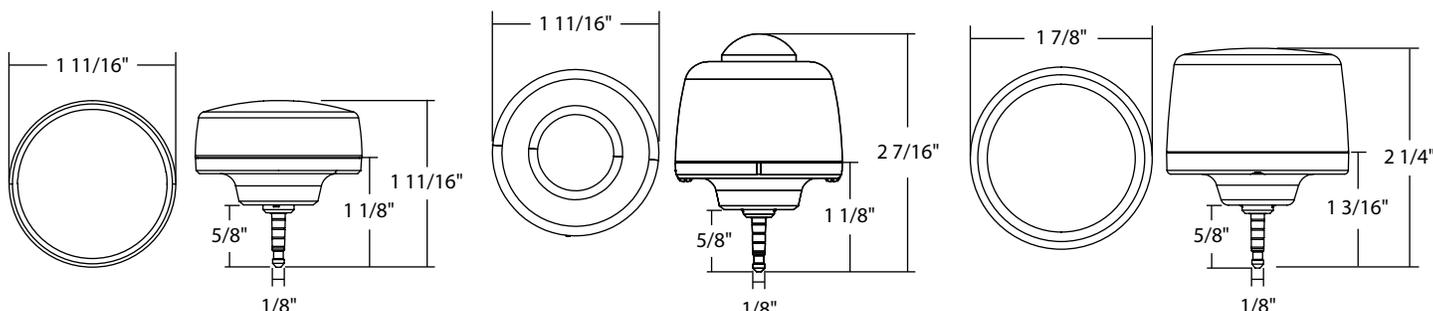
CONTROL/W/AUX/5SP/LCB

CONTROL/W/AUX/5SP/LCBS

CONTROL/W/AUX/5SP/LCBS/MVS

Catalog Number	UPC	Description
CONTROL/W/AUX/5SP/LCB	192552025591	Lightcloud Blue 5-Pin plug-in controller
CONTROL/W/AUX/5SP/LCBS	192552025607	Lightcloud Blue 5-Pin plug-in controller + passive infrared sensor + photocell sensor
CONTROL/W/AUX/5SP/LCBS/MVS	192552025614	Lightcloud Blue 5-Pin plug-in controller + microwave sensor + photocell sensor

3-Pin sensors

SMW-S / MW-S

DAYLIGHT-S

SPIR-S / PIR-S

Catalog Number	UPC	Description
SMW-S	019813834818	Microwave sensor without daylight photocell built in.
MW-S	019813833064	Microwave sensor with daylight photocell built in.
DAYLIGHT-S	019813834832	Daylight sensor
SPIR-S	019813834825	Passive infrared sensor without daylight photocell built in.
PIR-S	019813833057	Passive infrared sensor with daylight photocell built in.

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ORDERING INFO

Catalog Number	Model Number	UPC	Case Pack
HID-54S-EX39-8TW-BYP/LCBR	HID-54S-EX39-8TW-BYP/LCBR	192552025683	12

ORDERING MATRIX

Family	Wattage	Base Type	CRI/Color Temp	Installation Type	Sensor Port
HID -	54S -	EX39 -	8TW -	BYP /	LCBR
	54S 36W/45W/54W Wattage Selectable	EX39 Exclusionary Base	8TW 80CRI, Tunable White* 3000K-5000K	BYP Ballast Bypass	LCBR Lightcloud Blue Ready, 5-Pin Sensor Port

requires Lightcloud Blue 5-Pin Plug-in Controller/Sensor