



UPC: 192552026994

Color: Clear

Weight: 0.0 lbs

Project:

Type:

Prepared By:

Date:

## Technical Specifications

### Performance

#### Description:

Field adjustable lumen output and CCT provide installation flexibility when replacing traditional HID. Integrated AUX port to add lamp-level sensor control.

#### Wattage Equivalency:

250W/320W/400W Metal Halide

#### Input Wattage:

63W/80W/100W

#### Lumens:

63W:  
3000K @ 8,505lm; 4000K @ 9,135lm; 5000K @ 8,820lm

80W:  
3000K @ 10,800lm; 4000K @ 11,600lm; 5000K @ 11,200lm  
100W:  
3000K @ 13,500lm; 4000K @ 14,500lm; 5000K @ 14,000lm

#### Efficacy:

63W/80W/100W:  
3000K @ 135lm/W; 4000K @ 145lm/W; 5000K @ 140lm/W

#### L70 Lifespan:

50,000-Hour LED lifespan based on IES LM-70 results

### Electrical

#### THD:

≤20%

#### Power Factor:

≥0.9

#### 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.

#### Input Voltage:

100-277V

#### Operating Frequency:

50/60Hz

#### Input Current @ 120V (mA):

859mA

#### Input Current @ 208V (mA):

512mA

#### Input Current @ 240V (mA):

452mA

#### Input Current @ 277V (mA):

361mA

### Operating Temperature:

-22°F to 140°F (-30°C to 60°C)

#### Flicker:

<30%

#### Surge Protection:

4kV

### LED Characteristics

#### Color Temperature:

Field adjustable via dip switch 3000K/4000K/5000K

#### 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

## Technical Specifications (continued)

### 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.

### Installation

#### Installation Method:

UL Type B, Ballast Bypass

#### Installation Orientation:

Vertical and Horizontal

#### Base Type:

EX39

### Construction

#### Finish:

Clear

#### Bulb Shape:

Post top (sensor)

#### Endcap Material:

Metal

#### Enclosure Material:

Polycarbonate

### Compliance

#### Listings:

UL Listed, UL Classified

#### Environment:

Suitable for use in dry and damp environments

#### Fixture Rating:

Suitable for use in enclosed fixtures

#### IP Rating:

IP64

#### Certification Model Number:

H20041(HIDFA-100S-EX39-8CCT-BYP/5SP)

#### California Energy Commission (CEC) Status:

Lawful for Sales in California

#### RoHS:

Mercury and UV free. RoHS-compliant components.

#### FCC:

Complies with Part 15B of the FCC Rules

### 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: PEXK7EN6

### 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.

#### Accessories:

CONTROL/W/AUX/5SP/LCB  
Lightcloud Blue 5-Pin Plug-in Controller  
CONTROL/W/AUX/5SP/LCBS  
Lightcloud Blue 5-Pin Plug-in Controller with PIR Sensor  
CONTROL/W/AUX/5SP/LCBS/MVS  
Lightcloud Blue 5-Pin Plug-in Controller with MVS Sensor

#### 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](http://rablighting.com/warranty).

#### Note:

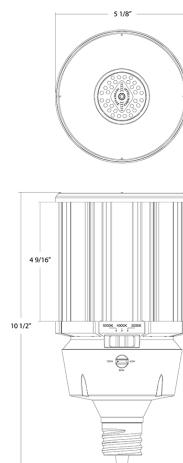
All values are typical (tolerance +/- 10%)

#### 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.

**Case and Pallet Dimensions**

	QTY	LENGTH (in)	WIDTH (in)	HEIGHT (in)
CASE	6	17.32	12.6	12
PALLET	7	48	40	47.34

**Dimension****Features**

- Replaces traditional metal halide or high pressure sodium HID lamp
- Adjustable wattage and CCT allows for in-field customization
- 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

**Ordering Matrix**

Family	Wattage	Base Type	CRI/Color Temp	Installation Type	Sensor
HIDFA	-	100S	-	EX39	-
	27S = 27/18/12W 36S = 36/27/18W 45S = 45/36/27W 54S = 54/45/36W 63S = 63/54/45W 80S = 89/63/54W 100S = 100/80/63W 120S = 120/100/80W 205S = 205/165/135W Vertical	EX39 = EX39 Extended Mogul <sup>1</sup> E26 = E26 Edison	8CCT	-	BYP = Ballast Bypass Blank = No Sensor /5SP = 5-Pin Sensor Port

<sup>1</sup> 80S, 100S, and 120S only available with EX39 base