# HSLED13W/D10

**RAB** LIGHTING



Bullet shape die cast aluminum flood with spotlighting for over 40 feet away. 13 Watt LED High Performance Light Engine.

Color: White                          Weight: 4.6 lbs

| Project: | | Type: | |
|---|---|---|---|
| **Prepared By:** | | **Date:** | |

### Driver Info

| | |
|---|---|
| Type: | Constant Current |
| 120V: | 0.12A |
| 208V: | 0.09A |
| 240V: | 0.08A |
| 277V: | 0.07A |
| Input Watts: | 14W |
| Efficiency: | 91% |

### LED Info

| | |
|---|---|
| Watts: | 13W |
| Color Temp: | 5100K |
| Color Accuracy: | 67 CRI |
| L70 Lifespan: | 100000 |
| Lumens: | 1,373 |
| Efficacy: | 96 LPW |

## Technical Specifications

### Listings

**UL Listing:**

Suitable for wet locations. Suitable for ground mounting.

**IESNA LM-79 & IESNA LM-80 Testing:**

RAB LED luminaires have been tested by an independent laboratory in accordance with IESNA LM-79 and 80, and have received the Department of Energy "Lighting Facts" label.

### LED Characteristics

**Lifespan:**

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

**LEDs:**

13 Watt high output, long-life LED.

**Color Consistency:**

7-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 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 C78.377-2015.

### Optical

**Spotlight Distribution:**

Beam Angle of 11° and Field Angle of 24° enables the HSLED to produce a very narrow spot distribution.

**Lumen Maintenance:**

100,000 hours Life Based on LM-80 Tests.

**NEMA Type:**

2H x 2V Beam Spread.

### Electrical

**Driver:**

Constant Current, Class 2, 100-277V, 50-60Hz, 100-240VAC 0.3-0.15A, 277VAC 0.15A.

**Surge Protection:**

4kV

**Dimming Driver:**

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

### Construction

**Ambient Temperature:**

Suitable for use in 40°C ambient temperatures.

**Cold Weather Starting:**

The minimum starting temperature is -40°C/-40°F

**Thermal Management:**

Cast aluminum patent pending Thermal Management system for optimal heat sinking. The HSLED is designed for cool operation, most efficient output and maximum LED life by minimizing LED junction temperature.

**Housing:**

Precision die-cast aluminum housing, hood and mounting arm.

**Gaskets:**

High Temperature Silicone.

**Finish:**

Our environmentally friendly polyester powder coatings are formulated for high-durability and long-lasting color, and contains no VOC or toxic heavy metals.

**Green Technology:**

Mercury and UV free, and RoHS compliant.

### 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.

**California Title 24:**

HSLED13 complies with 2013 California Title 24 building and electrical codes as a commercial outdoor non-pole-mounted fixture < 30 Watts when used with a photosensor control. Select catalog number PCS900(120V) or PCS900/277 to order a photosensor.

**Patents:**

The design of the HSLED is protected by Taiwan Patent 01510965 and patents pending in US, Canada, China, and Mexico.

**Country of Origin:**

Designed by RAB in New Jersey and assembled in the USA by RAB's IBEW Local 3 workers.

**Buy American Act Compliant:**

This product is a COTS item manufactured in the United States, and is compliant with the Buy American Act.

**Recovery Act (ARRA) Compliant:**

This product complies with the 52.225-21 "Required Use of American Iron, Steel, and Manufactured Goods-- Buy American Act-- Construction Materials (October 2010).
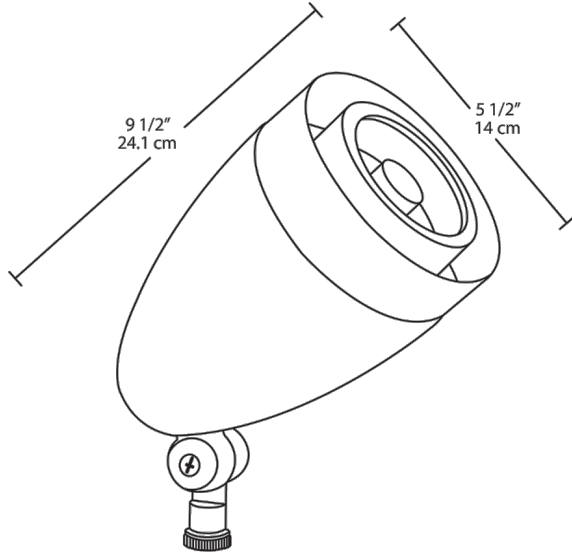
## Technical Specifications (continued)

### Other

**Trade Agreements Act Compliant:**

This product is a COTS item manufactured in the United States, and is compliant with the Trade Agreements Act.

**GSA Schedule:**

Suitable in accordance with FAR Subpart 25.4.

### Dimensions

9 1/2"
24.1 cm

5 1/2"
14 cm

### Features

Spot lighting for over 40 feet away

Perfect for flag lighting

NEMA type - 2H x 2V

Available in four colors

100,000-hour life based on LM-80 tests

5- year LED warranty

Need help? Tech help line: **(888) RAB-1000** Email: **sales@rabweb.com** Website: **www.rabweb.com**

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