

# HBL13A

Bullet shape die cast aluminum flood with 13 watt LED High Performance Light Engine. Equivalent to 100W PAR Halogen. Comes with flood reflector installed. Optional spot reflector included for field installation.

Color: Bronze

Weight: 3.5 lbs



## LED Info

Watts: 13W  
 Color Temp: 5000K (Cool)  
 Color Accuracy: 69  
 L70 Lifespan: 100000  
 LM79 Lumens: 724  
 Efficacy: 47 LPW

## Driver Info

Type: Constant Current  
 120V: 0.13 A  
 208V: 0.08 A  
 240V: 0.07 A  
 277V: 0.06 A  
 Input Watts: 15W  
 Efficiency: 85%

## Technical Specifications

### UL Listing:

Suitable for wet locations. Suitable for mounting within 4' of the ground.

### Lumen Maintenance:

The LED will deliver 70% of its initial lumens at 100,000 hours of operation.

### Thermal Management:

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

### Swivels:

Fully adjustable with sure-grip locks. 1/2" NPS threaded arm with serrated locking swivel fits all standard mounting covers. Color matched EZ Grip lock nuts. Stainless steel screw.

### Housing:

Precision die cast aluminum housing

### Gaskets:

High Temperature Silicone

### Finish:

Chip and fade resistant polyester powder coat finish.

### Warranty:

RAB LED fixtures give you peace of mind because both the fixture and driver components are backed by RAB's 5 Year Warranty. For more information,

### Green Technology:

RAB LEDs are Mercury and UV free.

### California Title 24:

LFLOOD complies with California Title 24 building and electrical codes.

### 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.

### Color Stability:

RAB LEDs exceed industry standards for chromatic stability.

### Color Uniformity:

RAB's range of CCT (Correlated color temperature) follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2008.

### Cold Weather Starting:

The minimum starting temperature is -40&deg;F/-40&deg;C

### Reflectors:

NEMA 5x5 floodlight reflector with 4x4 optional spotlight reflector for field installation. Photometrics show flood configuration

### LFLOOD 13W:

LED Floodlight that reduces energy consumption by 85% compared to 100W PAR38. Spot and Flood beam patterns. Recommended for Residential and Commercial applications.

### Fixture Efficacy:

47 Lumens per Watt

HBLED13A - continued

**Color Temperature:**

5000K

**Color Accuracy:**

69 CRI

**Driver:**

Multi-chip 13W high output long life LED Driver  
Constant Current, 100V - 277V, 50/60 Hz.

**Surge Protection:**

4KV

**Patents:**

LFLOOD thermal Management technology is protected under utility patents pending in the U.S., Canada and China.

**Equivalency:**

The HBLED13 is Equivalent in delivered lumens to a 90W PAR Floodlight.

**HID Replacement Range:**

The HBLED13 can be used to replace 90-100W PAR Floodlights based on delivered lumens.

**Country of Origin:**

Designed by RAB in New Jersey and assembled in Taiwan

**Trade Agreements Act Compliant:**

This product is a product of Taiwan and a "designated country" end product that complies with the Trade Agreements Act.

**GSA Schedule:**

Suitable in accordance with FAR Subpart 25.4

