# VXLED13DG

**RAB** LIGHTING



High performance LED Vaporproof fixture. A classic design with cutting edge LED technology. Comes with die cast guard and frosted globe.

Color: Natural                    Weight: 4.4 lbs

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

### Driver Info

| | |
|---|---|
| Type: | Constant Current |
| 120V: | 0.13A |
| 208V: | 0.08A |
| 240V: | 0.07A |
| 277V: | 0.06A |
| Input Watts: | 15W |
| Efficiency: | 86% |

### LED Info

| | |
|---|---|
| Watts: | 13W |
| Color Temp: | 5000K |
| Color Accuracy: | 65 CRI |
| L70 Lifespan: | 100000 |
| Lumens: | 729 |
| Efficacy: | 48 LPW |

## Technical Specifications

### LED Characteristics

**Lifespan:**

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

**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 Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C38.377-2011.

### Construction

**Temperature:**

The VXLED is rated for 40°C maximum ambient and -30°C minimum cold starting temperatures.

**Globes and Guards:**

Vaporproof LEDs are compatible with RAB Globes and Guards.

**Construction:**

Die cast aluminum housing and door. Tether connects back housing halves for safety.

**Cold Weather Starting:**

Minimum starting temperature is -40°F / -40°C.

**Ambient Temperature:**

Suitable for use in 35°C (95°F) ambient temperatures.

### Housing:

Die cast aluminum housing and driver housing.

**Mounting:**

Three 1/2" NPS conduit entry points.

**Guard and Globe:**

Shot blasted guard with frosted globe.

**Reflector:**

High quality hydroformed semi-specular aluminum.

**Gaskets:**

High Temperature Silicone.

**Finish:**

Natural shot blasted aluminum.

**Green Technology:**

Mercury and UV free. RoHS compliant components. Polyester powder coat finish formulated without the use of VOC or toxic heavy metals.

### Electrical

**Driver:**

Multi-chip single 13W high output long life LED Driver. Constant Current,100V-277V, 50/60 Hz., 100-240VAC.3-.15 Amps 277VAC.15 Amps. Will deliver 70% of its initial lumens at 100,000 hours based on LM-80 Tests.

**Surge Protection:**

4kV

### Other

**Thermal Management (Patent Pending):**

Die cast aluminum LED housing designed for maximum heat dissipation.

**Equivalency:**

The VXLED13 is Equivalent in delivered lumens to a 60W Incandescent or 23W CFL.

**HID Replacement Range:**

The VXLED13 can be used to replace 13-23W CFL or 25-60W Incandescent Vaporproofs based on delivered lumens.

**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.

**Patents:**

The VXLED a design is protected by patents in the U.S. Pat. D653,795, Taiwan Pat. D150462, and pending in Canada, China, and Mexico.

**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.

## Technical Specifications (continued)

### Listings

**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.
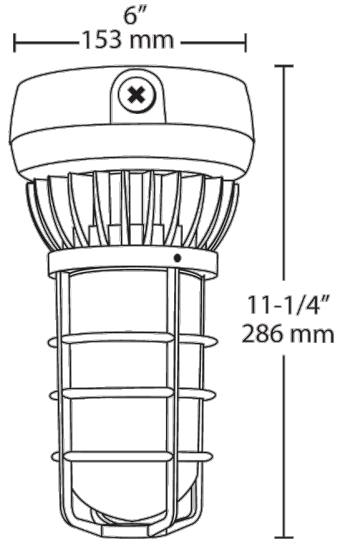
**UL Listing:**

UL Listed Suitable for Wet locations as a Downlight.

### Optical

**BUG Rating:**

B0 U3 G1

### Dimensions

6"
153 mm

11-1/4"
286 mm

### Features

Vaporproof LED Ceiling Mount

Superior Thermal Management (Patent Pending)

All Die-Cast Aluminum Construction

100,000 hour life based on LM-80 tests

Thermal Shock-Resistant Frosted Glass Globe

Traditional Look, Cutting-Edge Technology

5-year LED warranty

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

Copyright © 2014 RAB Lighting Inc. All Rights Reserved    Note: Specifications are subject to change at any time without notice

Page 2 of 2