

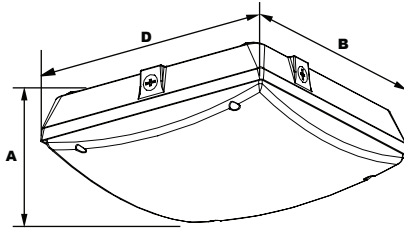
L70  
25°C

147,000 Hours



## DIMENSIONS

|            |              |
|------------|--------------|
| Width (D)  | 12½" (315mm) |
| Length (B) | 12½" (315mm) |
| Height (A) | 4¼" (106mm)  |



## PRODUCT DESCRIPTION

The VN44Q Low Profile Large Surface Mount luminaire is available with an optical distribution designed specifically to replace HID lighting systems up to 175w MH or HPS. Typical lighting applications include retail centers, industrial parks, schools and universities, public transit and airports, office buildings and medical facilities. Mounting heights of 12 to 20 feet can be used based on light level and uniformity requirements.

## FEATURES

**Housing:**

Die Cast Aluminum Housing, 1/2" Coin Plugs with O-rings for Conduit & Photocell on Three Sides & Back, Nickel-Plated Stainless Steel Hardware.

**Listing & Ratings:**

CSA: Listed for Wet Locations, ANSI/UL 1598, 8750.  
IP66 Sealed LED Compartment.

**Finish:**

Textured Architectural Bronze Powdercoat Finish Over a Chromate Conversion Coating. Custom Colors Available Upon Request.

**Lens:**

SoftLED Low Profile LumaLens Opal Polycarbonate Vandal-Resistant Lens

**Mounting Options:**

Mount Directly Over a 4" Recessed Outlet Box, or Use 1/2" Surface Conduit.

**EasyLED LED:**

Aluminum Boards

**Wattage:**

Array: 45.4w, System: 53.7w; (175w HID Equivalent)

**Driver:**

Electronic Driver, 120-277V, 50/60Hz or 347-480V, 50/60Hz; Less Than 20% THD and PF>0.90. Standard Internal Surge Protection 6kV. 0-10V Dimming Standard for a Dimming Range of 100% to 10%; Dimming Source Current is 150 Microamps.

**Controls:**

Fixtures Ordered with Factory-Installed Photocell or Motion Sensor Controls are Internally Wired for Switching and/or 1-10V Dimming Within the Housing. Remote Direct Wired Interface of 1-10V Dimming is Not Implied and May Not Be Available, Please Consult Factory. Fixtures are Tested with LEPG Controls and May Not Function Properly With Controls Supplied By Others. Fixtures are NOT Designed for Use with Line Voltage Dimmers.

**Warranty:**

5-Year Warranty for -40°C to +40°C Environment.  
See Page 2 for Projected Lumen Maintenance Table.

## ORDERING INFORMATION

EXAMPLE: VN44QF1X45U5KLPZSP

| Model   | Optics   | Wattage   | Driver                   | CCT                    | Lens   | Color                                  | Options   |
|---|----------|-----------|--------------------------|------------------------|--|--|---|
| VN44Q = EasyLED Low Profile Large Surface Mount | F=Type V | 1X45 =45w | U=120-277V<br>H=347-480V | 4K =4000K<br>5K =5000K | LP =SoftLED Low Profile LumaLens Opal Polycarbonate Lens | Z=Bronze<br>C=Custom (Consult Factory) | SF =Single Fuse<br>DF=Double Fuse<br>SP =Surge Protection<br>BUC = Cold Start Battery Backup -20°C, 90 minutes (120-277V Only)<br>PC3 =Photocell, 120-277VAC<br>S2 =Microwave Sensor with Dimming for Mounting Heights of 8 to 40' (120-277V Only)<br>BU=Battery Backup, 90 Minutes |

### ACCESSORIES & REPLACEMENT PARTS



P18100 &  
P18103



P17117

#### Replacement Parts (Order Separately, Field Installed)

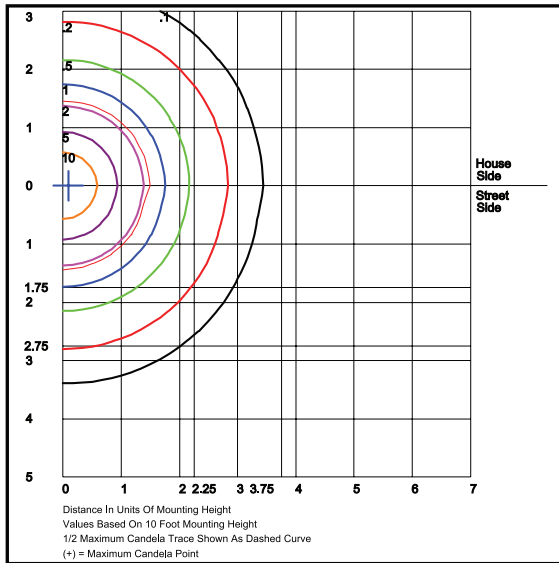
P18100 120VAC Photocell

P18103 120-277VAC Photocell

P17117 Internal Microwave Sensor with Dimming for Mounting Heights of 8 to 40'. 120-277VAC, 50/60Hz

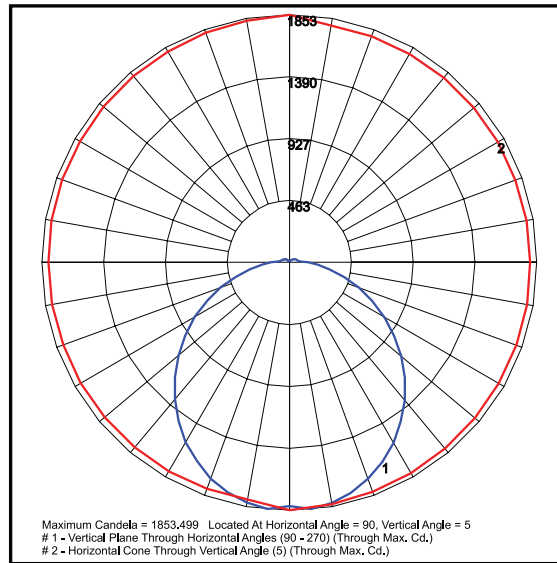
For Replacement Battery Backup, see the LEPG LED Battery Backup Specification Sheet.

### PHOTOMETRIC DATA



VN44QF1X45U5KLP  
Type V

Grid in MH  
MH=10 Feet



VN44QF1X45U5KLP  
Type V

### PHOTOMETRIC PERFORMANCE

| LED Board Watts | Drive Current (mA) | Input Watts | Optics | 5000 CCT 80 CRI |     |   |   |   | 4000 CCT 80 CRI |     |   |   |   |
|-----------------|--------------------|-------------|--------|-----------------|-----|---|---|---|-----------------|-----|---|---|---|
|                 |                    |             |        | Lumens          | LPW | B | U | G | Lumens          | LPW | B | U | G |
| EasyLED 45w     | 117                | 54          | Type V | 5,727           | 107 | 2 | 3 | 2 | 5,498           | 102 | 2 | 3 | 2 |

### PROJECTED LUMEN MAINTENANCE

| Data shown for 5000 CCT              |             |         | Compare to MH |            |             |                      |  |
|--------------------------------------|-------------|---------|---------------|------------|-------------|----------------------|--|
| TM-21-11                             | Input Watts | Initial | 25,000 Hrs    | 50,000 Hrs | 100,000 Hrs | Calculated L70@ 25°C |  |
| L70 Lumen Maintenance @ 25°C / 77°F  | 54          | 1.00    | 0.95          | 0.90       | 0.80        | 147,000              |  |
| TM-21-11                             | Input Watts | Initial | 25,000 Hrs    | 50,000 Hrs | 100,000 Hrs | Calculated L70@ 50°C |  |
| L70 Lumen Maintenance @ 50°C / 122°F | 54          | 1.00    | 0.89          | 0.78       | 0.55        | 67,000               |  |
| TM-21-11                             | Input Watts | Initial | 25,000 Hrs    | 50,000 Hrs | 100,000 Hrs | Calculated L80@ 40°C |  |
| L80 Lumen Maintenance @ 40°C / 104°F | 54          | 1.00    | 0.92          | 0.85       | 0.70        | 66,000               |  |

**NOTES:**  
1. Projected per IESNA TM-21-11. Data references the extrapolated performance projections for the 117mA base model in a 25°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.  
2. Compare to MH box indicates suggested Light Loss Factor (LLF) to be used when comparing to Metal Halide (MH) systems.