LEDALUX®

VN34Q- LED Low Profile Medium Surface Mount

CATALOG NUMBER:

NOTES:

FIXTURE TYPE:

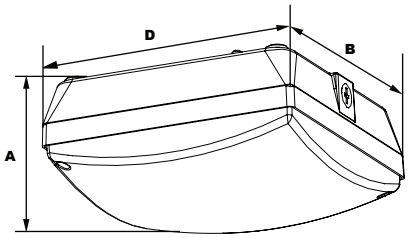
PROJECT:

L70 25°C 169,000 Hours

BUY AMERICAN ACT COMPLIANT

DIMENSIONS

Width (D)	9″ (229mm)
Length (B)	9″ (229mm)
Height (A)	4″ (102mm)



PRODUCT DESCRIPTION

The VN34Q Low Profile Medium Surface Mount luminaire is available with an optical distribution designed specifically to replace HID lighting systems up to 100w 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 8 to 14 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 Two Sides & Back, Nickel-Plated Stainless Steel Hardware.

Listing & Ratings:
CSA: Listed for Wet Locations, ANSI/UL 1598, 8750; IP66 Sealed LED Compartment.ADA Compliant.

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: 21.7w, System: 27w; (100w HID Equivalent)

Driver:
Electronic Driver, 120-277V, 50/60Hz; Less Than 20% THD and PF>0.90. Standard Internal Surge Protection 2kV. 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: VN34QF1X23U5KLPZSP

Model	Optics	Wattage	Driver	CCT	Lens	Color	Options
VN34Q = EasyLED Low Profile Medium Surface Mount	F=Type V	1X23 =23w	U=120-277V H=347-480V	4K =4000K 5K =5000K	LP =SoftLED Low Profile LumaLens Opal Polycarbonate Lens	Z=Bronze C=Custom (Consult Factory)	SF =Single Fuse (120-277V Only) DF =Double Fuse (120-277V Only) SP =Surge Protection BUC = Cold Start Battery Backup -20°C, 90 minutes (120-277v Only) PC3 =Photocell, 120-277VAC BU =Battery Backup, 90 Minutes

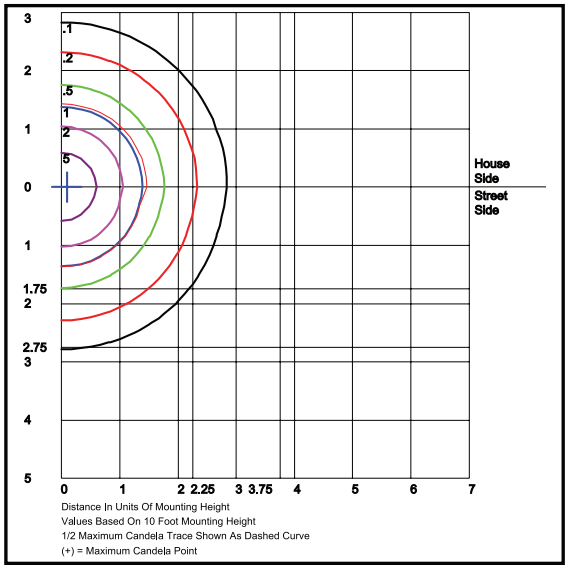
LED Eco-Smart

ACCESSORIES & REPLACEMENT PARTS

P18100 & P18103

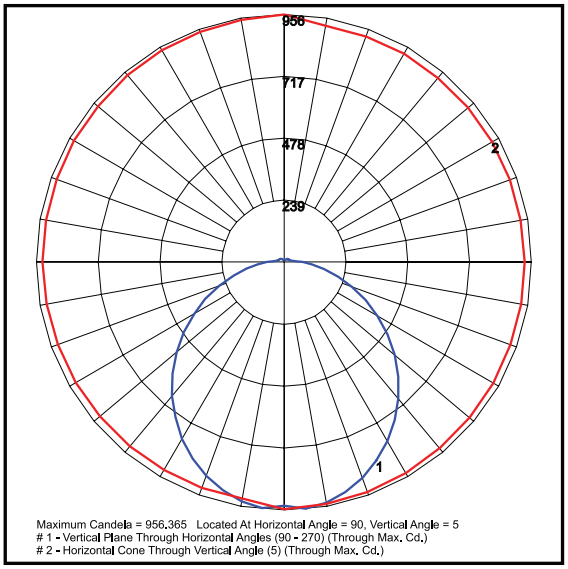
Replacement Parts (Order Separately, Field Installed)	
P18100	120VAC Photocell
P18103	120-277VAC Photocell
For Replacement Battery Backup, see the LEPG LED Battery Backup Specification Sheet.	

PHOTOMETRIC DATA



VN34QF1X23U5KLP
Type V

Grid in MH
MH=10 Feet



VN34QF1X23U5KLP
Type V

PHOTOMETRIC PERFORMANCE

				5000 CCT 80 CRI					4000 CCT 80 CRI				
LED Board Watts	**Drive Current (mA)**	**Input Watts**	**Optics**	**Lumens**	**LPW**	**B**	**U**	**G**	**Lumens**	**LPW**	**B**	**U**	**G**
EasyLED 23w	117	27	Type V	2,890	107	1	3	1	2,774	103	1	3	1

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	27	1.00	0.96	0.91	0.82	169,000
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	27	1.00	0.92	0.85	0.69	98,000
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	27	1.00	0.93	0.87	0.73	75,000

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.