

JOB NAME: _____
 TYPE: _____
 PART #: _____
 NOTES: _____

PLV2AQ

24" Linear LED Die Cast

L70
25°C **138,000 Hours**



The LEPG PLV2A series wall, pendant and ceiling mount luminaire is available with clear or LumaLens lenses and open door frame designed to replace HID lighting systems from 175w to 250w 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 25 feet can be used based on light level and uniformity requirements.

Specifications and Features:

Housing:

Heavy-Duty Die Cast Aluminum Housing and Top Frame. Can Be Tapped for Side Conduit Entry.

Listing & Ratings:

CSA: Listed for Wet Locations, ANSI/UL 1598, 8750. Note: If using the Quick-Mount Bracket, the power feed must be made at the drill point locations on the sides of the fixture, not through the Bracket to maintain the Wet Locations listing.

IP66 Sealed LED Compartment.

Finish:

Gray Powdercoat Finish Over a Chromate Conversion Coating. Custom Colors Available Upon Request.

Lens:

Clear UV-Stabilized Polycarbonate or SoftLED LumaLens Opal UV-Stabilized Polycarbonate Vandal-Resistant Lens

Mounting Options:

Surface Mount or Use Optional Stainless Steel Quick-Mount Bracket, Adjustable Bracket, or Yoke.

LED:

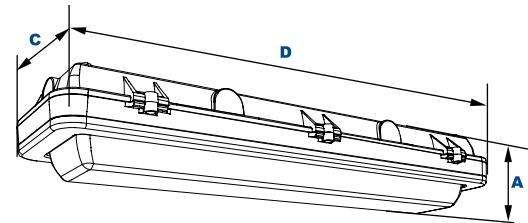
Aluminum Boards



Shown with LumaLens

Dimensions

Width (D)	24 1/2" (614mm)
Length (C)	7" (178mm)
Height (A)	4" (102mm)



Wattage:

47w: Array: 47w, System: 57.8w; (175w HID Equivalent) 66w: Array: 66w, System: 77.3w; (250w 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.

Warranty:

- 5-Year Warranty for -40°C to +50°C Environment.
- See Page 3 for Projected Lumen Maintenance Table.

Order Information Example:

PLV2AQF66U5KCGSP

Model	Optics	Wattage	Driver	CCT	Lens	Color	Options
PLV2AQ= Open Frame 24" Linear LED Die Cast	F=Wide	47=47w 66=66w	U=120-277V H=347-480V	4K=4000K 5K=5000K	C=Clear UV-Stabilized Polycarbonate Vandal-Resistant Lens L=SoftLED LumaLens Opal UV-Stabilized Polycarbonate Vandal-Resistant Lens	G=Gray P=Platinum C=Custom (Consult Factory)	SF=Single Fuse* DF=Double Fuse* SP=Surge Protection BU=Battery Backup* BUC=Cold Start Battery Backup, -20°C, 90 Minutes* *120-277V Models Only.

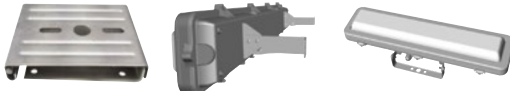
Accessories & Replacement Parts:

Mounting Accessories (Order Separately, Field Installed)

PLVAQM Stainless Steel Quick Mount Bracket. Requires Two Brackets Per Fixture. Note: The power feed must be made at the drill point locations on the sides of the fixture, not through the Bracket, to maintain the Wet Locations listing.

PLVABRSS Stainless Steel Adjustable Bracket, Set of Two

PLV2AYSS Stainless Steel Yokes for PLV2A, Includes Hardware.



PLVAQM

PLVABRSS*

PLV2AYSS*

*Shown Mounted

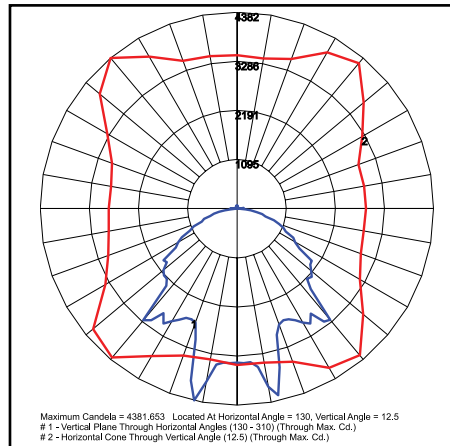
Replacement Parts (Order Separately, Field Installed)

PLV2ALL SoftLED LumaLens Opal UV-Stabilized Polycarbonate Vandal-Resistant Lens

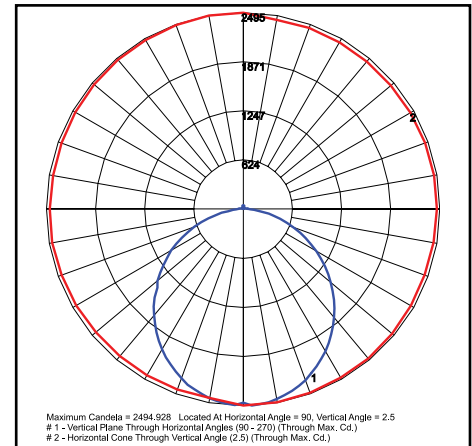
PLV2APC Clear UV-Stabilized Polycarbonate Vandal-Resistant Lens

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

Photometric Data



PLV2AOQF66
U5KC Wide
Optic



PLV2AOQF66
U5KL Wide
Optic

Photometric Performance

LED Board Watts	Drive Current (mA)	Input Watts	Optics	Spacing Criteria	5000 CCT 80 CRI		4000 CCT 80 CRI	
					Lumens	LPW	Lumens	LPW
47w (Clear Lens)	116	58	Open Frame (100° x 100°)	1.22	7,309	126	7,017	121
47w (LumaLens)			Open Frame (110° x 130°)	1.30	5,932	102	5,695	98
66w (Clear Lens)		77	Open Frame (100° x 100°)	1.22	10,294	134	9,882	128
66w (LumaLens)			Open Frame (110° x 130°)	1.30	8,356	109	8,021	104

Projected Lumen Maintenance

Data shown for 5000 CCT TM-21-11		Input Watts	Compare to MH				Calculated LED Life
			Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	
L70 Lumen Maintenance @ 25°C / 77°F	All wattages up to and including 77w	77	1.00	0.95	0.89	0.78	138,000
L70 Lumen Maintenance @ 50°C / 122°F			1.00	0.86	0.72	0.43	53,000
L80 Lumen Maintenance @ 40°C / 104°F			1.00	0.92	0.84	0.68	62,000

NOTES:

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