

LV4AQ DuraLED 48" Linear LED Die Cast



Project Information	
Project Name:	Fixture Type:
Complete Catalog #:	Date:
Comments:	

The DuraGuard LV4A series wall, pendant and ceiling mount luminaire is available with clear or LumaLens lenses and open door frame designed to replace HID lighting systems up to 400w 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 18 to 30 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 IP66 Sealed LED Compartment. ADA Compliant (Without Brackets)

FINISH:

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

LENS:

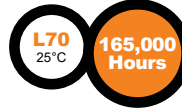
Clear UV-Stabilized Polycarbonate or SoftLED LumaLens Opal UV-Stabilized Polycarbonate Vandal-Resistant Lens

MOUNTING OPTIONS:

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

DURALED LED:

Aluminum Boards



WATTAGE:

112w: Array: 112w, System: 126w; (250w HID Equivalent)
136w: Array: 136w, System: 152w; (400w 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.

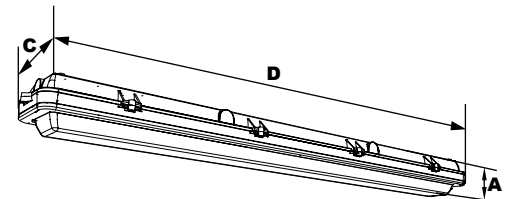
See Page 2 for Projected Lumen Maintenance Table.



LV4AQ



Shown with LumaLens



Dimensions

Width (D)	49" (1,247mm)
Length (C)	7" (178mm)
Height (A)	4" (102mm)

DuraLED TECHNOLOGY

Complete Units
Ordering Information
Example: LV4AOQF136U5KCPSF

LV4AQ DuraLED 48" Linear LED Die Cast

LV4AOQ	F						
Model	Optics	Wattage	Driver	CCT	Lens	Color	Options
LV4AOQ=DuraLED Open Frame 48" Linear LED Die Cast	F=Wide	112=112w 136=136w	U=120-277V H=347-480V	4K=4000K 5K=5000K		P=Platinum C=Custom (Consult Factory)	
<p>C=Clear UV-Stabilized Polycarbonate Vandal-Resistant Lens L=SoftLED LumaLens Opal UV-Stabilized Polycarbonate Vandal-Resistant Lens</p>							

SF=Single Fuse*
DF=Double Fuse*
SP=Surge Protection
BU=Battery Backup (112w Only)*
BUC=Cold Start Battery Backup, -20°C, 90 Minutes*

*120-277V Models Only.



Specifications subject to change without notice.

LV4AQ DuraLED 48" Linear LED Die Cast



ACCESSORIES & REPLACEMENT PARTS:



LVAQM



LVABRSS*

Mounting Accessories (Order Separately, Field Installed)	
LVAQM	Stainless Steel Quick Mount Bracket
LVABRSS	Stainless Steel Adjustable Bracket, Set of Two
LV4AYSS	Stainless Steel Yoke for LV4A, Includes Hardware.

Replacement Parts (Order Separately, Field Installed)	
LV4ALL	SoftLED LumaLens Opal UV-Stabilized Polycarbonate Vandal-Resistant Lens
LV4APC	Clear UV-Stabilized Polycarbonate Vandal-Resistant Lens

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



LV4AYSS*

*Shown Mounted

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
DuraLED 112w (Clear Lens)	116	126	Open Frame (110° x 110°)	1.32	16,287	129	15,636	124
DuraLED 112w (LumaLens)			Open Frame (110° x 120°)	1.28	13,720	109	13,172	105
DuraLED 136w (Clear Lens)		152	Open Frame (110° x 110°)	1.32	19,773	130	18,982	125
DuraLED 136w (LumaLens)			Open Frame (110° x 120°)	1.26	16,594	109	15,930	105

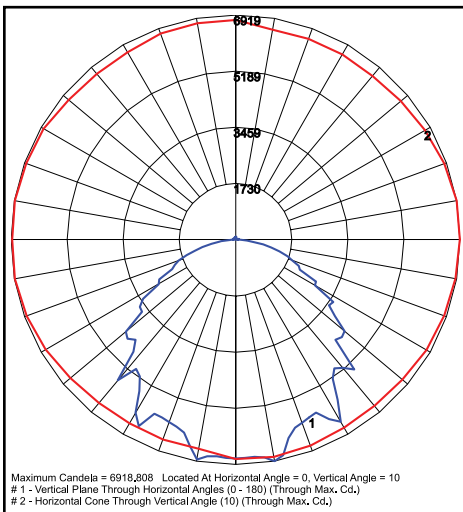
PROJECTED LUMEN MAINTENANCE

Data shown for 5000 CCT		Compare to MH				
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated LED Life
L70 Lumen Maintenance @ 25°C / 77°F	All wattages up to and including 152w	1.00	0.95	0.91	0.82	165,000
L70 Lumen Maintenance @ 50°C / 122°F		1.00	0.92	0.84	0.69	96,000
L80 Lumen Maintenance @ 40°C / 104°F		1.00	0.93	0.86	0.73	74,000

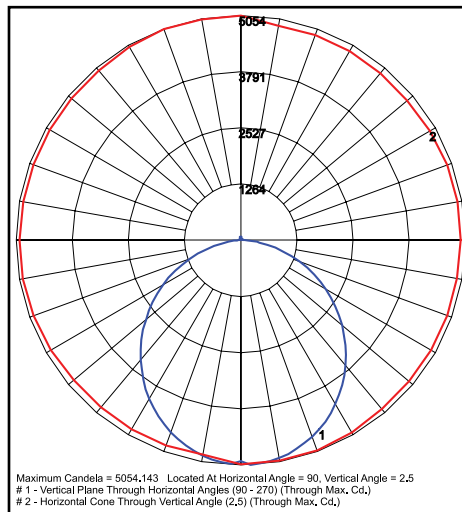
NOTES:

- Projected per IESNA TM-21-11. Data references the extrapolated performance projections for the 116mA 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.

PHOTOMETRIC DATA



LV4AOQF136U5KC
Wide Optic



LV4AOQF136U5KL
Wide Optic