

# ALV4AQ DuraLED 48" Linear LED Die Cast Area Light



<b>Project Information</b>	
Project Name:	Fixture Type:
Complete Catalog #:	Date:
Comments:	

The DuraGuard ALV4AQ pole 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.

### LISTING & RATINGS:

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

### FINISH:

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

### LENS:

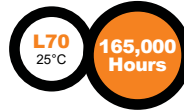
Clear UV-Stabilized Polycarbonate or SoftLED LumaLens Opal UV-Stabilized Polycarbonate Vandal-Resistant Lens

### MOUNTING OPTIONS:

Adjustable Slipfitter Included. Requires 2 3/8" Arm or Tenon (Not Included).

### 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.

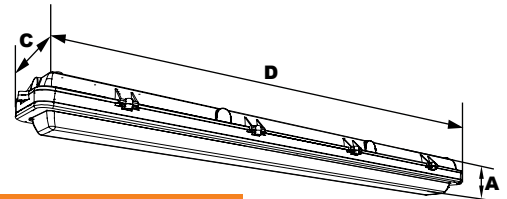
### WARRANTY:

5-Year Warranty for -40°C to +50°C Environment.

See Page 3 for Projected Lumen Maintenance Table.



Shown with pole and spoke bracket, available separately.



### Dimensions

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

## DuraLED TECHNOLOGY

Complete Units  
Ordering Information  
Example: ALV4AQF136U5KCPSP

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ALV4AQ	F							
Model	Optics	Wattage	Driver	CCT	Lens	Color	Mounting	Options
	F=Wide	<b>112</b> =112w <b>136</b> =136w	<b>U</b> =120-277V <b>H</b> =347-480V	<b>4K</b> =4000K <b>5K</b> =5000K				
<b>ALV4AQ</b> =DuraLED Open Frame 48" Linear LED Die Cast Area Light								

**C**=Clear UV-Stabilized Polycarbonate Vandal-Resistant Lens  
**L**=SoftLED LumaLens Opal UV-Stabilized Polycarbonate Vandal-Resistant Lens

**P**=Platinum (Silver Gray)  
**Z**=Bronze  
**B**=Black  
**C**=Custom (Consult Factory)

**SFE**=End Mount Slipfitter  
**SFM**=Center Mount Slipfitter

**SF**=Single Fuse (120-277V Only)  
**DF**=Double Fuse (120-277V Only)  
**SP**=Surge Protection



Specifications subject to change without notice.

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## ACCESSORIES & REPLACEMENT PARTS:



Mounting Accessories (Order Separately, Field Installed)	
PTSB1S*	Single Pole Tenon Spoke Bracket, 2 3/8" Horizontal Mounting Arm, Bronze Powdercoat Finish, Includes Hardware.
PTSB290S*	Twin Pole Tenon Spoke Bracket, 2 3/8" Horizontal 90° Mounting Arms, Bronze Powdercoat Finish, Includes Hardware.
PTSB2180S*	Twin Pole Tenon Spoke Bracket, 2 3/8" Horizontal 180° Mounting Arms, Bronze Powdercoat Finish, Includes Hardware.
PTSB390S*↕	Triple Pole Tenon Spoke Bracket, 2 3/8" Horizontal 90° Mounting Arms, Bronze Powdercoat Finish, Includes Hardware.
PTSB3120S*↕	Triple Pole Tenon Spoke Bracket, 2 3/8" Horizontal 120° Mounting Arms, Bronze Powdercoat Finish, Includes Hardware.
PTSB490S*↕	Quad Pole Tenon Spoke Bracket, 2 3/8" Horizontal 90° Mounting Arms, Bronze Powdercoat Finish, Includes Hardware.

\*Specify Color: Z=Bronze, C=Custom (Consult Factory)  
 ↕Non-stock item. Consult factory for lead time.

Replacement Parts (Order Separately, Field Installed)	
LV4ALL	SoftLED LumaLens Opal UV-Stabilized Polycarbonate Vandal-Resistant Lens
LV4APC	Clear UV-Stabilized Polycarbonate Vandal-Resistant Lens
LSF*	External Mount Die-Cast Adjustable Slipfitter for 2 3/8" Tenons, Powdercoat Finish, Includes Hardware.

\*Specify Color: Z=Bronze, C=Custom (Consult Factory)

## EPA (EFFECTIVE PROJECTED AREA) SHOWN WITH SLIPFITTER

Configuration	EPA (Sq. Ft.)	Weight (Lbs.)
 1	1.65	26 Lbs

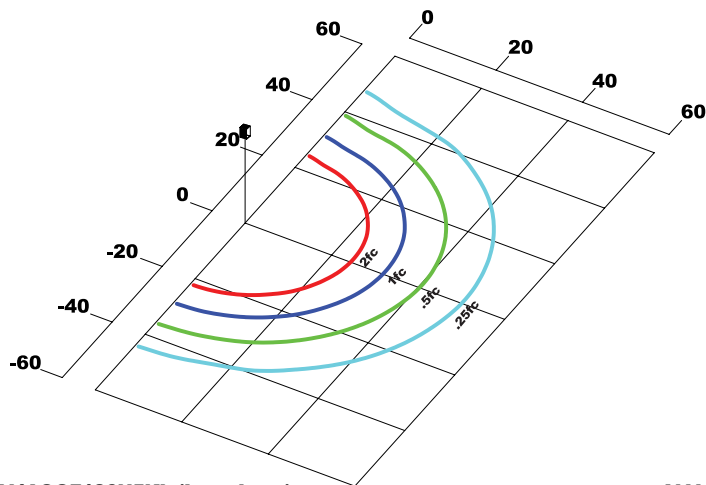
Configuration	EPA (Sq. Ft.)	Weight (Lbs.)
 2@180° Mount	3.30	52 Lbs
 2@90° Mount	2.24	52 Lbs

Configuration	EPA (Sq. Ft.)	Weight (Lbs.)
 3@90° Mount	3.63	78 Lbs
 3@120° Mount	3.30	78 Lbs

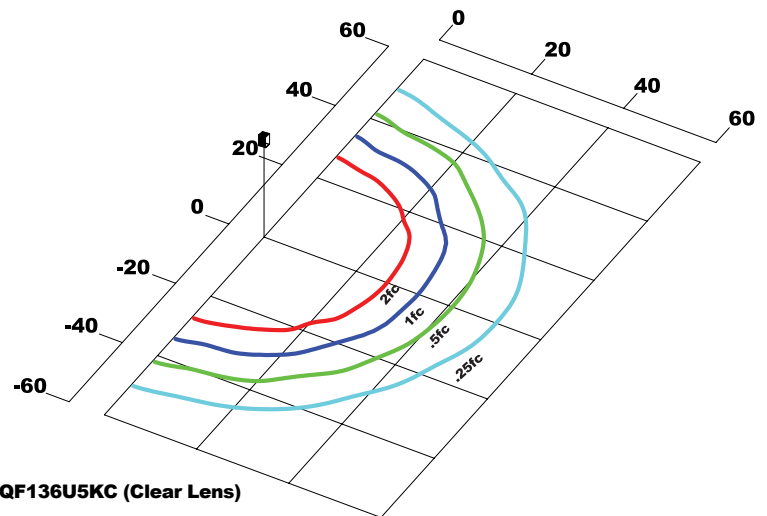
Configuration	EPA (Sq. Ft.)	Weight (Lbs.)
 4@90° Mount	3.63	104 Lbs

Note: Calculations for fixtures tilted up to 30°

## PHOTOMETRIC DATA



**ALV4AQF136U5KL (LumaLens)**  
 Type V  
 Grid in MH  
 MH=20 Feet



**ALV4AQF136U5KC (Clear Lens)**  
 Type V  
 Grid in MH  
 MH=20 Feet

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## 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
DuraLED 112w (Clear Lens)	525	126	Type V	16,287	129	3	3	3	15,636	124	3	3	3
DuraLED 112w (LumaLens)			Type V	13,720	109	3	3	2	13,172	105	3	3	2
DuraLED 136w (Clear Lens)		152	Type V	19,773	130	4	3	2	18,982	125	4	3	2
DuraLED 136w (LumaLens)			Type V	16,594	109	3	3	3	15,930	105	3	3	3

## 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:**

1. Projected per IESNA TM-21-11. Data references the extrapolated performance projections for the 525mA 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.