

ALV2AQ DuraLED 24" Linear LED Die Cast Area Light



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

The DuraGuard ALV2AQ pole 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.

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:

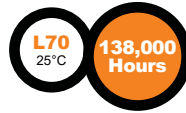
Clear UV-Stabilized Polycarbonate or SoftLED LumaLens Opal UV-Stabilized Polycarbonate Vandal-Resistant Lens

MOUNTING OPTIONS:

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

DURALED LED:

Aluminum Boards



WATTAGE:

47 Watt: Array: 47w, System: 57.8w (175w HID Equivalent)
66 Watt: 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.

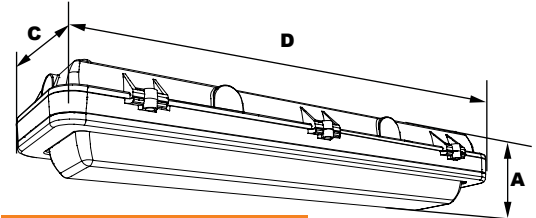
WARRANTY:

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

See Page 3 for Projected Lumen Maintenance Table.



Shown with pole and spoke bracket, available separately.



Dimensions

Width (D)	24 1/8" (614mm)
Length (C)	7" (178mm)
Height (A)	4" (102mm)

DuraLED TECHNOLOGY

Complete Units
Ordering Information
Example: ALV2AQF66U5KCPSFMSP

ALV2AQ DuraLED 24" Linear LED Die Cast Area Light

ALV2AQ	F							
Model	Optics	Wattage	Driver	CCT	Lens	Color	Mounting	Options
	F=Wide	47=47w 66=66w	U=120-277V H=347-480V	4K=4000K 5K=5000K				
ALV2AQ =DuraLED Open Frame 24" 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)	
LV2ALL	SoftLED LumaLens Opal UV-Stabilized Polycarbonate Vandal-Resistant Lens
LV2APC	Clear UV-Stabilized Polycarbonate Vandal-Resistant Lens
SSF*	External Mount Die-Cast Adjustable Slipfitter for 2 3/8" Tenons, Powdercoat Finish, Includes Hardware.

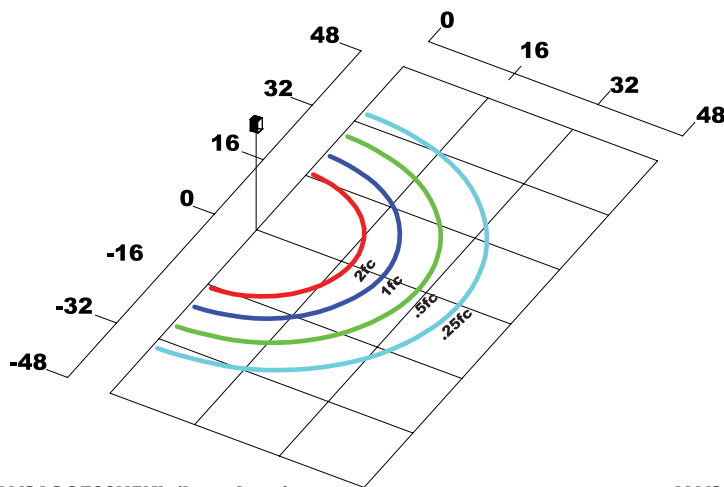
*Specify Color: Z=Bronze, C=Custom (Consult Factory)

EPA (EFFECTIVE PROJECTED AREA) SHOWN WITH SLIPFITTER

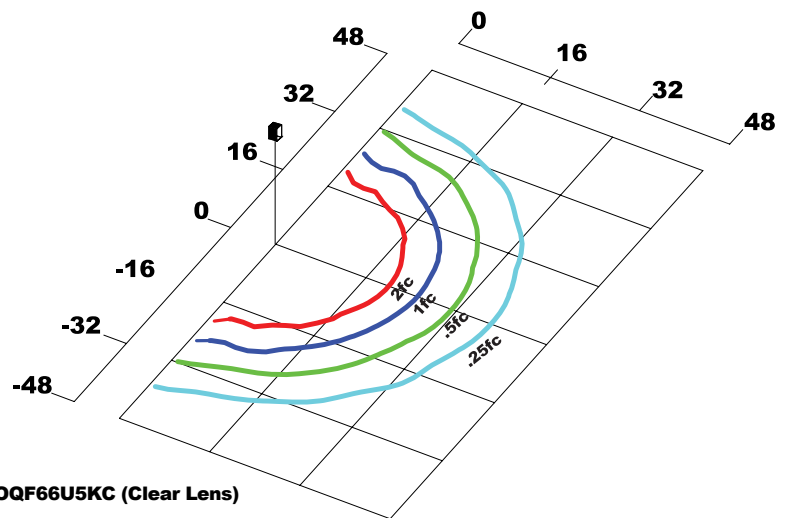
Configuration	EPA (Sq. Ft.)	Weight (Lbs.)	Configuration	EPA (Sq. Ft.)	Weight (Lbs.)	Configuration	EPA (Sq. Ft.)	Weight (Lbs.)	Configuration	EPA (Sq. Ft.)	Weight (Lbs.)
	0.83	14 Lbs		1.66	28 Lbs		1.83	42 Lbs		1.83	56 Lbs
1			2@180° Mount			3@90° Mount			4@90° Mount		
				1.13	28 Lbs		1.66	42 Lbs			
			2@90° Mount			3@120° Mount					

Note: Calculations for fixtures tilted up to 30°

PHOTOMETRIC DATA



ALV2AOQF66U5KL (LumaLens)
 Type V
 Grid in MH
 MH=16 Feet



ALV2AOQF66U5KC (Clear Lens)
 Type V
 Grid in MH
 MH=16 Feet

Specifications subject to change without notice.

ALV2AQ DuraLED 24" Linear LED Die Cast Area Light**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 47w (Clear Lens)	116	58	Type V	7,309	126	2	3	1	7,017	121	2	3	1
DuraLED 47w (LumaLens)			Type V	5,932	102	2	3	2	5,695	98	2	3	2
DuraLED 66w (Clear Lens)		77	Type V	10,294	134	3	3	1	9,882	128	3	3	1
DuraLED 66w (LumaLens)			Type V	8,356	109	2	3	2	8,021	104	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 LED Life
L70 Lumen Maintenance @ 25°C / 77°F	All wattages up to and including 77w	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:

1. 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.
2. Compare to MH box indicates suggested Light Loss Factor (LLF) to be used when comparing to Metal Halide (MH) systems.