Rev. 021320

ALV1AQ DuraLED 12" Linear LED Die Cast Area Light

DuraGuard PRODUCTS INC® A QSSI Company

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Project Information

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

The DuraGuard ALV1AOQ pole mount luminaire is available with clear or LumaLens lenses and open door frame designed to replace HID lighting systems from 70w to 175w 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 18 feet can be used based on light level and uniformity requirements.

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Center Mount

End Mount

Shown with pole and spoke bracket, available separately.

Specifications and Features:

L70 25°C — 187,000 Hours

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 2⅜″ Arm or Tenon (Not Included).

DuraLED LED:
Aluminum Boards

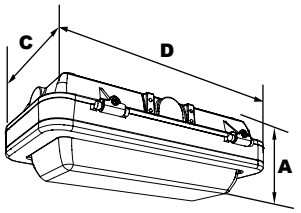
Wattage:
22w:Array: 22w, System: 26.4w; (70w HID Equivalent)
37w: Array: 37.2w, System: 43.4w; (175w HID Equivalent)

Driver:
Electronic Driver, 120-277V, 50/60Hz; Less Than 20% THD and PF>0.90. Standard Internal Surge Protection is 2kV for 22w, 6kV for 37w. 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 Mounted



Dimensions	
Width (D)	12⅛″ (309mm)
Length (C)	7″ (178mm)
Height (A)	4″ (102mm)

DuraLED Technology

Complete Units
Ordering Information
Example: ALV1AOQF37U5KCPSFM

ALV1AQ DuraLED 12" Linear LED Die Cast Area Light

ALV1AOQ	F		U				
Model	**Optics**	**Wattage**	**Driver**	**CCT**	**Lens**	**Color**	**Mount**
	F=Wide	**22**=22w **37**=37w	**U**=120-277V	**4K**=4000K **5K**=5000K			

ALV1AOQ=DuraLED Open Frame 12" 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

IP66 SoftLED

Specifications subject to change without notice.

12802 Commodity Place • Tampa, FL 33626 • www.duraguard.com • Toll Free: (800) 736-7991 • Fax: (800) 287-4175

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Accessories & Replacement Parts:


PTSB1S


PTSB290S


PTSB2180S


PTSB390S♦


PTSB3120S♦


PTSB490S♦

Mounting Accessories (Order Separately, Field Installed)	
PTSB1S*	Single Pole Tenon Spoke Bracket, 2⅜″ Horizontal Mounting Arm, Bronze Powdercoat Finish, Includes Hardware.
PTSB290S*	Twin Pole Tenon Spoke Bracket, 2⅜″ Horizontal 90° Mounting Arms, Bronze Powdercoat Finish, Includes Hardware.
PTSB2180S*	Twin Pole Tenon Spoke Bracket, 2⅜″ Horizontal 180° Mounting Arms, Bronze Powdercoat Finish, Includes Hardware.
PTSB390S*♦	Triple Pole Tenon Spoke Bracket, 2⅜″ Horizontal 90° Mounting Arms, Bronze Powdercoat Finish, Includes Hardware.
PTSB3120S*♦	Triple Pole Tenon Spoke Bracket, 2⅜″ Horizontal 120° Mounting Arms, Bronze Powdercoat Finish, Includes Hardware.
PTSB490S*♦	Quad Pole Tenon Spoke Bracket, 2⅜″ 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)	
LV1ALL	SoftLED LumaLens Opal UV-Stabilized Polycarbonate Vandal-Resistant Lens
LV1APC	Clear UV-Stabilized Polycarbonate Vandal-Resistant Lens
SSF*	External Mount Die-Cast Adjustable Slipfitter for 2⅜″ 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	0.42	8 Lbs

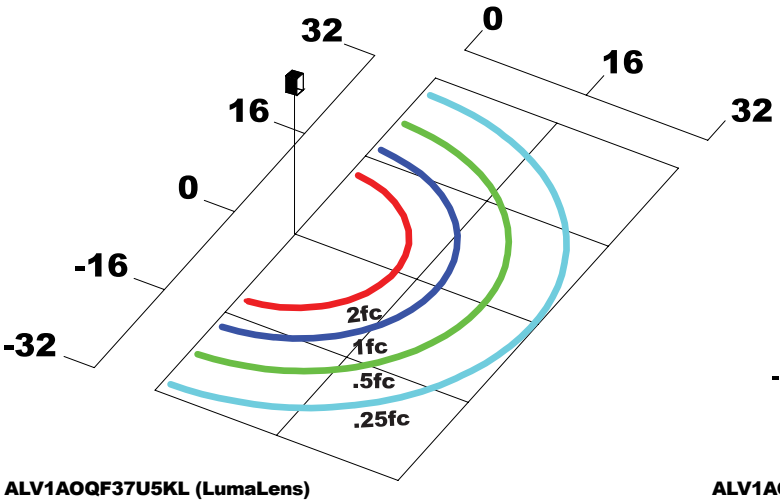
Configuration	EPA (Sq. Ft.)	Weight (Lbs.)
2@180° Mount	0.84	16 Lbs
2@90° Mount	0.57	16 Lbs

Configuration	EPA (Sq. Ft.)	Weight (Lbs.)
3@90° Mount	0.92	24 Lbs
3@120° Mount	0.84	24 Lbs

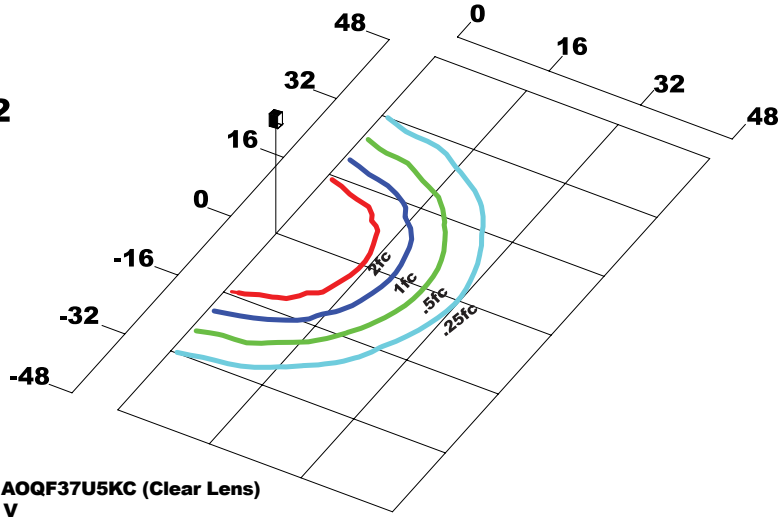
Configuration	EPA (Sq. Ft.)	Weight (Lbs.)
4@90° Mount	0.92	32 Lbs

Note: Calculations for fixtures tilted up to 30°

Photometric Data



ALV1AOQF37U5KL (LumaLens)
Type V
Grid in MH
MH=16 Feet



ALV1AOQF37U5KC (Clear Lens)
Type V
Grid in MH
MH=16 Feet

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Rev. 101419

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Photometric Performance

LED Board Watts	Drive Current (mA)	Input Watts	Optics	5000 CCT 80 CRI Lumens	LPW	B	U	G	4000 CCT 80 CRI Lumens	LPW	B	U	G
DuraLED 22w (Clear Lens)	116	26	Type V	3,332	128	1	2	1	3,199	123	1	2	1
DuraLED 22w (LumaLens)			Type V	2,945	113	1	3	2	2,828	109	1	3	1
DuraLED 37w (Clear Lens)		43	Type V	5,538	129	2	3	2	5,316	124	2	3	2
DuraLED 37w (LumaLens)			Type V	4,948	115	1	3	2	4,750	111	1	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 43w	1.00	0.96	0.92	0.84	187,000
L70 Lumen Maintenance @ 50°C / 122°F		1.00	0.93	0.86	0.72	109,000
L80 Lumen Maintenance @ 40°C / 104°F		1.00	0.94	0.88	0.79	84,000

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.

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