

HLV1AQ Hazardous Location DuraLED 12" Linear LED Die Cast



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

The DuraGuard HLV1A Class 1, Division 2 Explosion Proof Hazardous Location series wall and ceiling mount luminaire is available with clear or LumaLens lenses, and open, vertical half or horizontal half door frames designed to replace HID lighting systems from 70w to 175w MH or HPS. Typical lighting applications include industrial facilities, oil, gas, painting facilities, and auto service facilities. Mounting heights of 8 to 18 feet can be used based on light level and uniformity requirements.

SPECIFICATIONS AND FEATURES:

HOUSING:

Heavy-Duty Die Cast Aluminum Housing and Top Frame, with 1/2" Tapped Coin Plug Openings for Wiring Entrance Conduits.

LISTING & RATINGS:

ETL Listed for Hazardous Locations Per UL844 as Follows: Class 1, Division 2 Groups A, B, C, D; T4 Temperature Rating. Suitable for Wet Locations.

FINISH:

Platinum 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:

Mount with Stainless Steel Adjustable Bracket or Yoke. Rated for 6 #12 AWG 90°C for Through Wiring.

DURALED LED:

Aluminum Boards

WATTAGE:

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

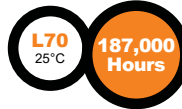
DRIVER:

Electronic Driver, 120-277V, 50/60Hz, 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 -25°C to +40°C Environment.

See Page 3 for Projected Lumen Maintenance Table.



HLV1AHQ



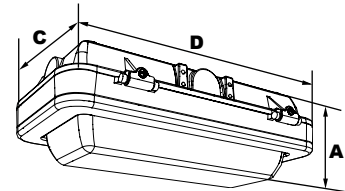
HLV1AOQ



HLV1AVQ



Shown with LumaLens



Dimensions

Width (D)	12 1/8" (309mm)
Length (C)	7" (178mm)
Height (A)	HLV1AOQ: 4" (102mm) HLV1AHQ & HLV1AVQ: 4 1/4" (107mm)

DuraLED TECHNOLOGY

Complete Units
Ordering Information
Example: HLV1AOQF37U5KCP

HLV1AQ DuraLED 12" Linear LED Die Cast

Model	Optics	Wattage	Driver	CCT	Lens	Color
	F=Wide	22=22w 37=37w	U=120-277V	4K=4000K 5K=5000K		P=Platinum C=Custom (Consult Factory)
<p>HLV1AOQ=DuraLED Open Frame 12" Linear LED Die Cast HLV1AHQ=DuraLED Horizontal Hood 12" Linear LED Die Cast HLV1AVQ=DuraLED Vertical Hood 12" Linear LED Die Cast</p>						

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



**Class 1, Division 2
Groups A, B, C, D
T4 Temperature Rating**

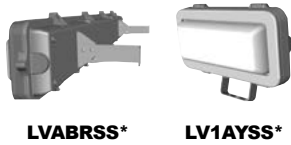


Specifications subject to change without notice.

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ACCESSORIES & REPLACEMENT PARTS:



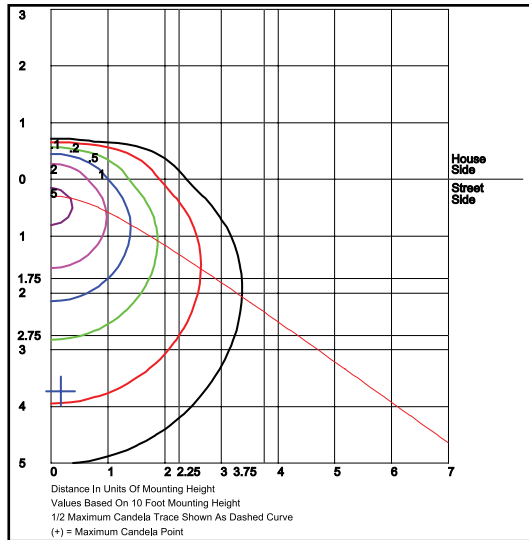
Mounting Accessories (Order Separately, Field Installed)	
LVABRSS	Stainless Steel Adjustable Bracket, Set of Two
LV1AYSS	Stainless Steel Yoke for HLV1A, Includes Hardware.

*Shown Mounted

PHOTOMETRIC PERFORMANCE FOR WALL LIGHT APPLICATIONS

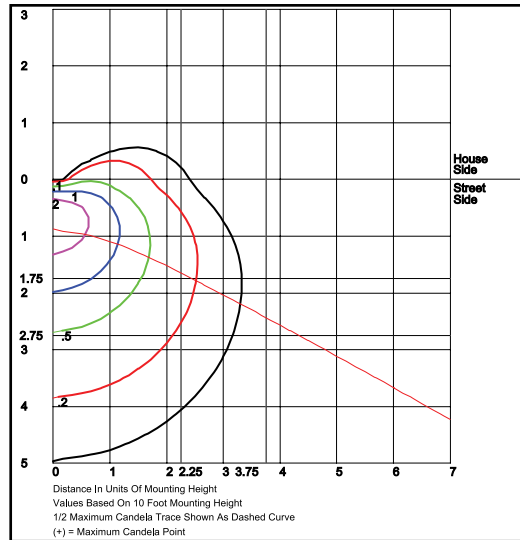
LED Board Watts	Drive Current (mA)	Input Watts	Optics	5000 CCT 80 CRI					4000 CCT 80 CRI					
				Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	
DuraLED 22w (Clear Lens)	116	26	Horizontal Frame -Type III	3,126	120	1	2	1	3,001	115	1	2	1	
DuraLED 22w (LumaLens)			Horizontal Frame -Type IV	2,369	91	1	3	2	2,274	88	1	3	1	
DuraLED 22w (Clear Lens)			Vertical Frame -Type III	3,305	127	1	2	1	3,172	122	1	2	1	
DuraLED 22w (LumaLens)			Vertical Frame -Type III	2,705	104	1	3	1	2,597	100	1	3	1	
DuraLED 37w (Clear Lens)			43	Horizontal Frame -Type III	4,879	114	2	3	2	4,684	109	2	3	2
DuraLED 37w (LumaLens)				Horizontal Frame -Type IV	4,071	95	1	3	2	3,908	91	1	3	2
DuraLED 37w (Clear Lens)				Vertical Frame -Type II	5,292	123	2	3	1	5,081	118	2	3	1
DuraLED 37w (LumaLens)				Vertical Frame -Type II	4,399	102	2	3	2	4,223	98	1	3	2

PHOTOMETRIC DATA FOR WALL LIGHT APPLICATIONS



HLVAHQF37U5KL
LumaLens

Grid in MH
MH=10 Feet



HLVAVQF37U5KL
LumaLens

Grid in MH
MH=10 Feet

HLV1AQ Hazardous Location DuraLED 12" Linear LED Die Cast



PHOTOMETRIC PERFORMANCE FOR CANOPY/CEILING LIGHT APPLICATIONS

LED Board Watts	Drive Current (mA)	Input Watts	Optics	Spacing Criteria	5000 CCT 80 CRI		4000 CCT 80 CRI	
					Lumens	LPW	Lumens	LPW
DuraLED 22w (Clear Lens)	116	26	Open Frame (110° x 110°)	1.34	3,332	128	3,199	123
DuraLED 22w (LumaLens)			Open Frame (110° x 120°)	1.26	2,945	113	2,828	109
DuraLED 37w (Clear Lens)		43	Open Frame (110° x 110°)	1.26	5,538	129	5,316	124
DuraLED 37w (LumaLens)			Open Frame (110° x 120°)	1.26	4,948	115	4,750	111

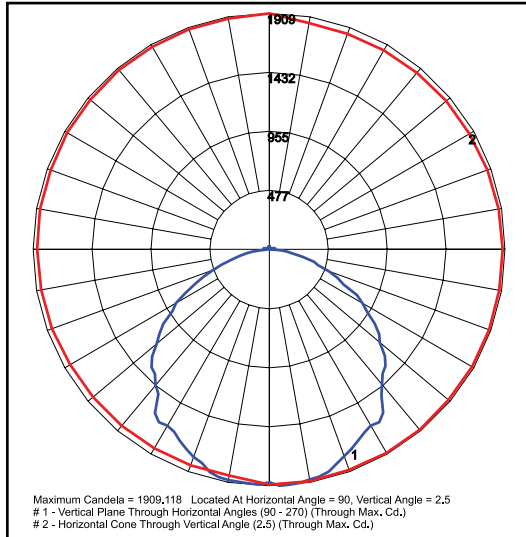
PROJECTED LUMEN MAINTENANCE

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
L80 Lumen Maintenance @ 40°C / 104°F		1.00	0.94	0.88	0.76	84,000

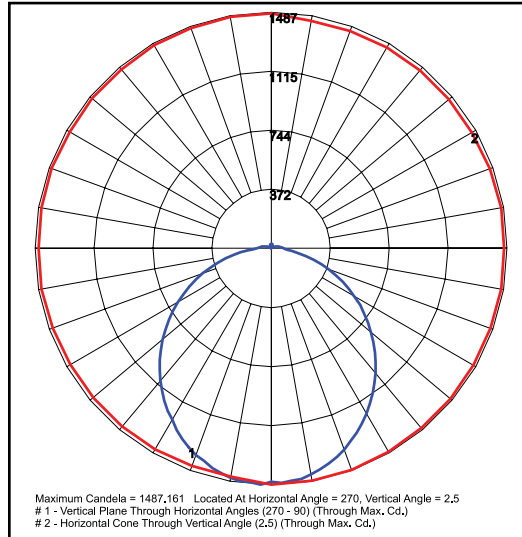
NOTES:

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.

PHOTOMETRIC DATA FOR CANOPY/CEILING LIGHT APPLICATIONS



HLV1AQF37U5KC
Clear Lens



HLV1AQF37U5KL
LumaLens