

L70  
25°C

187,000 Hours



NOTES:

FIXTURE TYPE:

PROJECT:



HLV1AHQ



HLV1AOQ

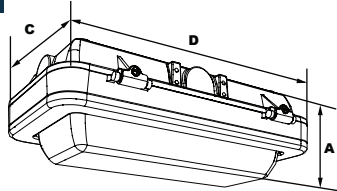


HLV1AVQ

Shown with  
LumaLens

## DIMENSIONS

Width (D)	12 $\frac{1}{8}$ " (309mm)
Length (C)	7" (178mm)
Height (A)	HLV1AOQ: 4" (102mm) HLV1AHQ: 4 $\frac{1}{4}$ " (107mm) HLV1AVQ: 4 $\frac{1}{4}$ " (107mm)



## PRODUCT DESCRIPTION

The 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.

## ORDERING INFORMATION

Model	Optics	Wattage	Driver	CCT	Lens	Color
HLV1AOQ=EasyLED Open Frame 12" Linear LED Die Cast HLV1AHQ=EasyLED Horizontal Hood 12" Linear LED Die Cast HLV1AVQ=EasyLED Vertical Hood 12" Linear LED Die Cast	F=Wide	22=22w 37=37w	U=120-277V	4K=4000K 5K=5000K	C=Clear UV-Stabilized Polycarbonate Vandal-Resistant Lens L=SoftLED LumaLens Opal UV-Stabilized Polycarbonate Vandal-Resistant Lens	P=Platinum C=Custom (Consult Factory)

EXAMPLE: HLV1AOQF37U5KCP

## FEATURES

## Housing

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

## Listing &amp; 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, IP66 Sealed LED Compartment

## Finish

Powdercoat Finish Over a Chromate Conversion Coating.

## Lens

Clear Polycarbonate or SoftLED LumaLens Opal Polycarbonate Vandal-Resistant Lens

## Mounting Options

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

## EasyLED LED

Aluminum Boards

## Wattage

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

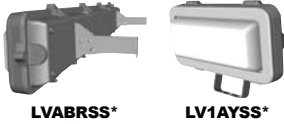
## Driver

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 -25°C to +40°C Environment.  
See Page 3 for Projected Lumen Maintenance Table.

### ACCESSORIES & REPLACEMENT PARTS



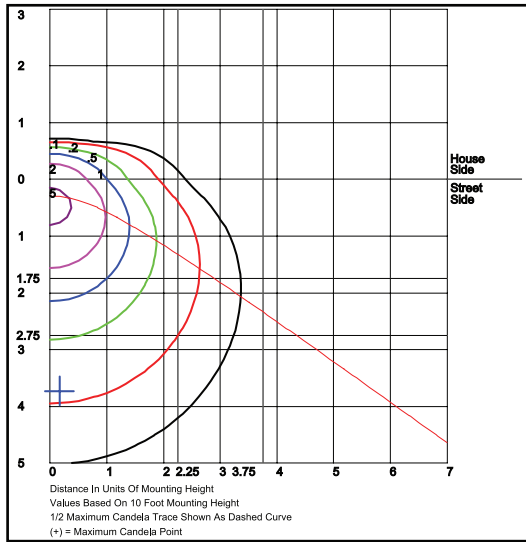
\*Shown Mounted

#### Mounting Accessories (Order Separately, Field Installed)

LVABRSS Stainless Steel Adjustable Bracket,  
Set of Two

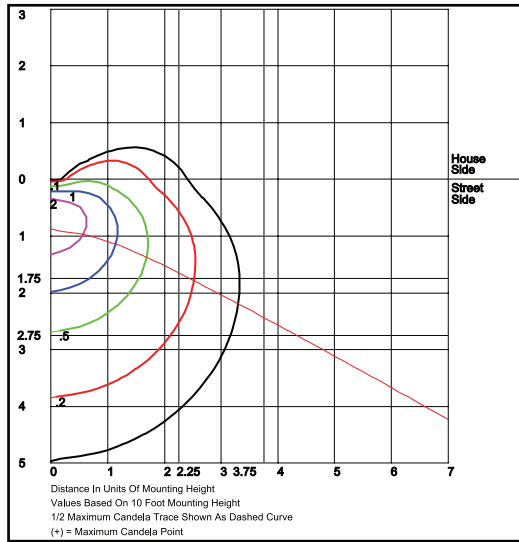
LV1AYSS Stainless Steel Yokes for HLV1A,  
Includes Hardware.

### PHOTOMETRIC DATA FOR WALL LIGHTS



**HLTV1AHQF37U5KL**  
**LumaLens**

Grid in MH  
MH=10 Feet



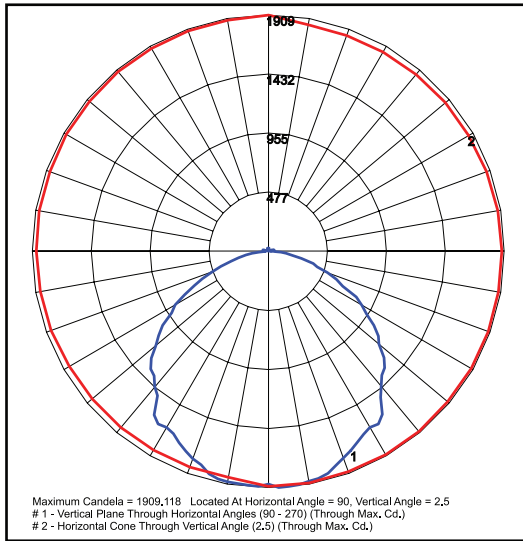
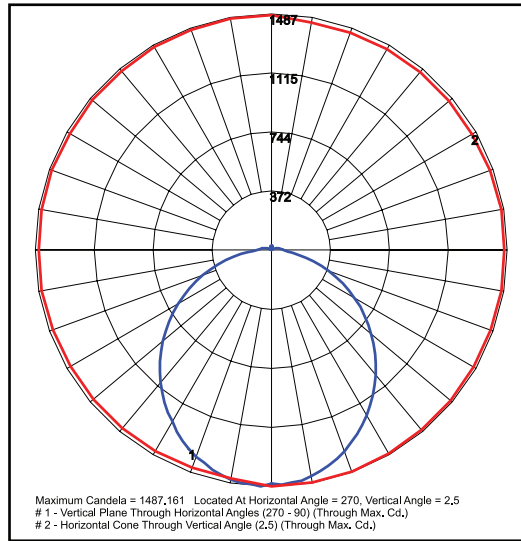
**HLTV1AVQF37U5KL**  
**LumaLens**

Grid in MH  
MH=10 Feet

### 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
EasyLED 22w (Clear Lens)	116	26	Horizontal Frame -Type III	3,126	120	1	2	1	3,001	115	1	2	1
EasyLED 22w (LumaLens)			Horizontal Frame -Type IV	2,369	91	1	3	2	2,274	88	1	3	1
EasyLED 22w (Clear Lens)			Vertical Frame -Type III	3,305	127	1	2	1	3,172	122	1	2	1
EasyLED 22w (LumaLens)			Vertical Frame -Type III	2,705	104	1	3	1	2,597	100	1	3	1
EasyLED 37w (Clear Lens)		43	Horizontal Frame -Type III	4,879	114	2	3	2	4,684	109	2	3	2
EasyLED 37w (LumaLens)			Horizontal Frame -Type IV	4,071	95	1	3	2	3,908	91	1	3	2
EasyLED 37w (Clear Lens)			Vertical Frame -Type II	5,292	123	2	3	1	5,081	118	2	3	1
EasyLED 37w (LumaLens)			Vertical Frame -Type II	4,399	102	2	3	2	4,223	98	1	3	2

## PHOTOMETRIC DATA FOR CANOPY/CEILING LIGHTS

HLV1AQF37U5KC  
Clear LensHLV1AQF37U5KL  
LumaLens

## PHOTOMETRIC PERFORMANCE FOR CANOPY/CEILING LIGHTS

LED Board Watts	Drive Current (mA)	Input Watts	Optics	Spacing Criteria	5000 CCT 80 CRI		4000 CCT 80 CRI	
					Lumens	LPW	Lumens	LPW
EasyLED 22w (Clear Lens)	116	26	Open Frame (110° x 110°)	1.34	3,332	128	3,199	123
EasyLED 22w (LumaLens)			Open Frame (110° x 120°)	1.26	2,945	113	2,828	109
EasyLED 37w (Clear Lens)		43	Open Frame (110° x 110°)	1.26	5,538	129	5,316	124
EasyLED 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	0.79	84,000	

## 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.