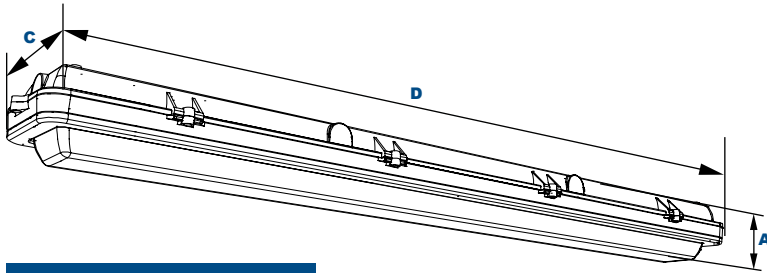


## EES-HLV4AQ

### 48" Linear LED Die Cast

**L70**  
25°C **165,000 Hours**



#### Dimensions

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

#### Order Information Example:

EES-HLV4AQF136U5KCPS

EES-HLV4AQ	F						
Model	Optics	Wattage	Driver	CCT	Lens	Color	Options
EES-HLV4AQ Open Frame 48" Linear LED Die Cast	F=Wide	112=112w 136=136w	U=120-277V H=347-480V	4K=4000K 5K=5000K	C=Clear Polycarbonate Vandal-Resistant Lens L=LumaLens Opal Polycarbonate Vandal- Resistant Lens	P=Platinum C=Custom (Consult Factory)	SF=Single Fuse DF=Double Fuse SP=Surge Protection BU=Battery Backup*  *112w Model Only.

The EES HLV4A Class 1, Division 2 Hazardous Location series wall and ceiling 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 industrial facilities, oil, gas, painting facilities, and auto service 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. Can Be Tapped for Side Conduit Entry.

##### 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, IP66 Sealed LED Compartment

##### Finish:

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

##### Lens:

Clear Polycarbonate Vandal-Resistant Lens or LumaLens Opal Polycarbonate Vandal-Resistant Lens

##### Mounting Options:

Surface Mount or Use Optional Stainless Steel Quick-Mount Bracket, Adjustable Bracket, or Yoke.

##### EES LED ENGINE:

Aluminum Metal Core Boards

##### Wattage:

112 Watt: Array: 112w, System: 126w  
(250w HID Equivalent)  
136 Watt: 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.

#### Project Information:

Project Name: \_\_\_\_\_ Fixture Type: \_\_\_\_\_

Complete Catalog #: \_\_\_\_\_ Date: \_\_\_\_\_

Comments: \_\_\_\_\_

#### Certification & Listings:



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



### Accessories & Replacement Parts:



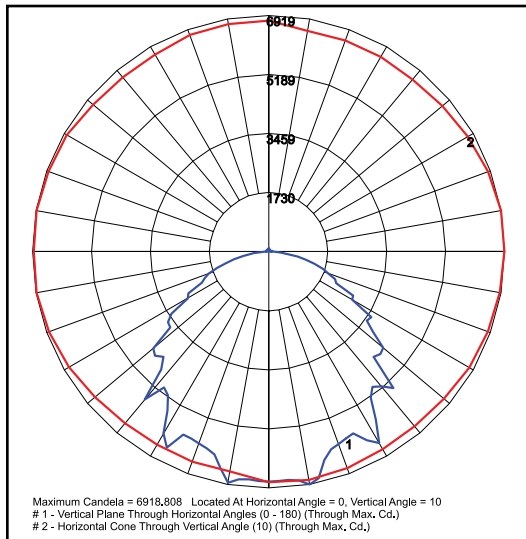
#### Mounting Accessories (Order separately, Field installed)

LVAQM	Stainless Steel Quick Mount Bracket. Requires Two Brackets Per Fixture.
LVABRSS	Stainless Steel Adjustable Bracket, Set of Two
LV4AYSS	Stainless Steel Yokes for LV4A, Includes Hardware.

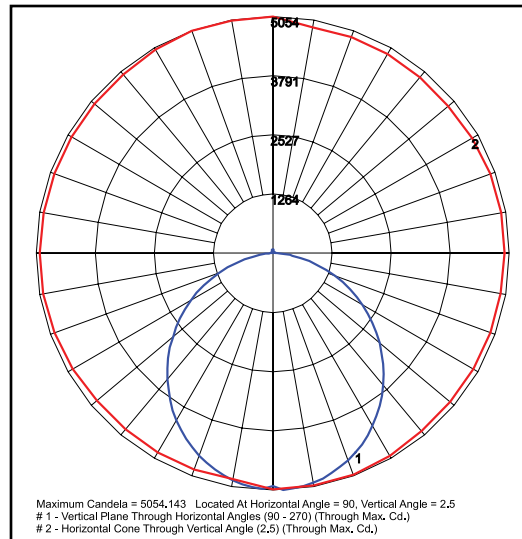
#### Replacement Parts (Order separately, Field installed)

3EBL120277400012V	4000mAH Rechargeable Ni-MH Battery and 12V Inverter. 112w Model Only.
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### Photometric Data



**EES-HLV4AOQF136U5KC**  
Wide Optic



**EES-HLV4AOQF136U5KL**  
Wide Optic

### Photometric Performance

LED Board Watts	Drive Current (mA)	Input Watts	Optics	Spacing Criteria	5000 CCT 80 CRI		4000 CCT 80 CRI	
					Lumens	LPW	Lumens	LPW
EES LED 112w (Clear Lens)	116	126	Open Frame (110° x 110°)	1.32	16,287	129	15,636	124
EES LED 112w (LumaLens)			Open Frame (110° x 120°)	1.28	13,720	109	13,172	105
EES LED 136w (Clear Lens)	152	152	Open Frame (110° x 110°)	1.32	19,773	130	18,982	125
EES LED 136w (LumaLens)			Open Frame (110° x 120°)	1.26	16,594	109	15,930	105

### 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 L70@ 25°C	
L70 Lumen Maintenance @ 25°C / 77°F	126	1.00	0.96	0.92	0.84	187,000	
L70 Lumen Maintenance @ 25°C / 77°F	152	1.00	0.95	0.91	0.82	165,000	
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L70@ 50°C	
L70 Lumen Maintenance @ 50°C / 122°F	126	1.00	0.93	0.86	0.72	107,000	
L70 Lumen Maintenance @ 50°C / 122°F	152	1.00	0.92	0.84	0.69	96,000	
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L80@ 40°C	
L80 Lumen Maintenance @ 40°C / 104°F	126	1.00	0.94	0.88	0.76	82,000	
L80 Lumen Maintenance @ 40°C / 104°F	152	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 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.