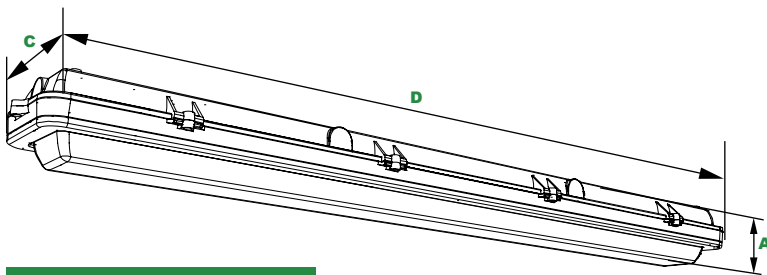




# NHL-HDCVT4 L70 25°C 165,000 Hours

## Hazardous Location 48" Linear LED Die Cast



### Dimensions

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

### Order Information Example:

NHL-HDCVT4-F-136W-50K-UNV-C-P

NHL-HDCVT4	F					P
Model	Optics	Wattage	CCT	Voltage	Lens	Color
NHL-HDCVT4= Open Frame 48" Linear LED Die Cast	F=Wide	112W=112w 136W=136w	40K=4000K 50K=5000K	UNV=120-277V 480=347-480V	C=Clear Polycarbonate Vandal-Resistant Lens L=SoftLED LumaLens Opal Polycarbonate Vandal-Resistant Lens	P=Platinum

The NHL-HDCVT4 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, 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, 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.

#### Wattage:

112w: Array: 112w, System: 126w; (250w HID Equivalent)  
136w: 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 -25°C to +40°C Environment.

See Page 2 for Projected Lumen Maintenance Table.

### Project Information:

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

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

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

### Certification & Listings:



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



SoftLED

Specifications subject to change without notice. Rev. 101018

### New Horizon Lighting

P 732.833.8086 | F 732.833.8085  
9 Gladney Avenue  
Bayville, NJ 08721

[www.newhorizonlighting.com](http://www.newhorizonlighting.com)

New Horizon Lighting products reduce operating costs while delivering high efficiency lighting. NHL products are built in the USA and are available or through leading national distributors.



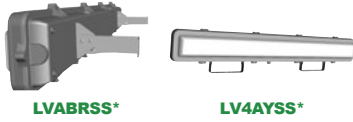
# NHL-HDCVT4

L70  
25°C

## Hazardous Location 48" Linear LED Die Cast

165,000 Hours

### Accessories & Replacement Parts:



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

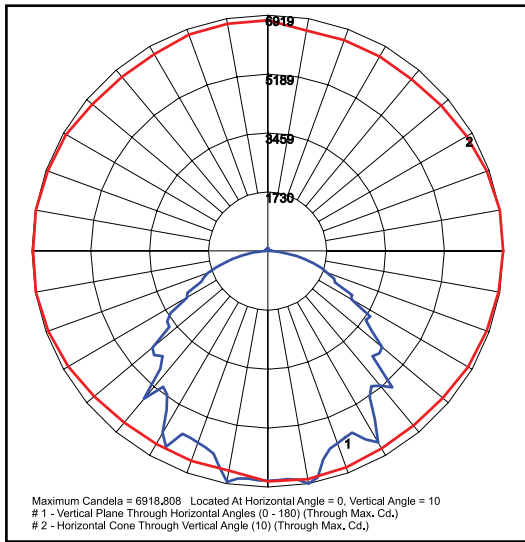
LVABRSS	Stainless Steel Adjustable Bracket, Set of Two
LV4AYSS	Stainless Steel Yokes for HLV4A, Includes Hardware.

#### Replacement Parts (Order Separately, Field Installed)

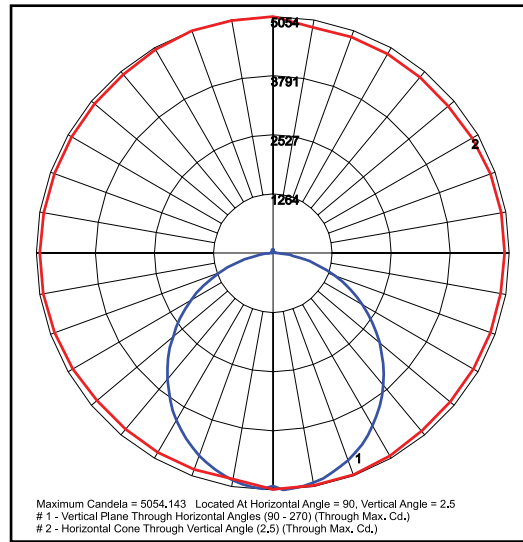
LV4ALL	SoftLED LumaLens Opal Polycarbonate Vandal-Resistant Lens
--------	---

\*Shown Mounted

### Photometric Data



**NHL-HDCVT4-F-136W-50K-UNV-C**  
Clear Lens



**NHL-HDCVT4-F-136W-50K-UNV-L**  
LumaLens

### 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
112w (Clear Lens)	116	126	Open Frame (110° x 110°)	1.32	16,287	129	15,636	124
112w (LumaLens)			Open Frame (110° x 120°)	1.28	13,720	109	13,172	105
136w (Clear Lens)		152	Open Frame (110° x 110°)	1.32	19,773	130	18,982	125
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 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.

Specifications subject to change without notice. Rev. 071618