New Horizon Lighting

NHL-DCVT2

LED 24" Linear LED Die Cast

BUY AMERICAN ACT COMPLIANT

L70 25°C 138,000 Hours

Shown with LumaLens

The NHL-DCVT2 series wall, pendant and ceiling mount luminaire is available with clear or LumaLens lenses and open door frame designed to replace HID lighting systems from 175w to 250w 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 12 to 25 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:
CSA: Listed for Wet Locations, ANSI/UL 1598, 8750. Note: If using the Quick-Mount Bracket, the power feed must be made at the drill point locations on the sides of the fixture, not through the Bracket to maintain the Wet Locations listing.
IP66 Sealed LED Compartment.

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

LED LED:
Aluminum Boards

Wattage:
47w: Array: 47w, System: 57.8w; (175w HID Equivalent)
66w: Array: 66w, System: 77.3w; (250w HID Equivalent)

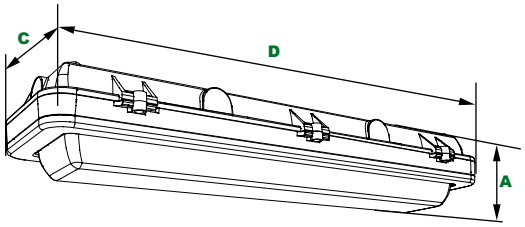
Driver:
Electronic Driver, 120-277V, 50/60Hz or 347-480V, 50/60Hz; Less Than 20% THD and PF>0.90. Standard Internal Surge Protection 6kV. 0-10V Dimming Standard for a Dimming Range of 100% to 10%; Dimming Source Current is 150 Microamps.

Warranty:
5-Year Warranty for -40°C to +50°C Environment.

See Page 3 for Projected Lumen Maintenance Table.

Dimensions

Width (D)	24⅛″ (614mm)
Length (C)	7″ (178mm)
Height (A)	4″ (102mm)



Project Information:

Project Name: _____ Fixture Type: _____

Complete Catalog #: _____ Date: _____

Comments: _____

Certification & Listings:

c SA us IP66 SoftLED

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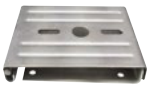
Order Information Example: LV2AOQF66U5KCGSP

Model	Optics	Wattage	CCT	Driver	Lens	Color	Options
NHL-DCVT2=LED Open Frame 24" Linear LED Die Castv	**F**=Wide	**47W**=47w **66W**=66w	**40K**=4000K **50K**=5000K	**UNV**=120-277V **480V**=347-480V	**C**=Clear UV-Stabilized Polycarbonate Vandal-Resistant Lens **L**=SoftLED LumaLens Opal UV-Stabilized Polycarbonate Vandal-Resistant Lens	**G**=Gray **P**=Platinum **CC**=Custom (Consult Factory)	**SF**=Single Fuse* **DF**=Double Fuse* **SP**=Surge Protection **EM**=Battery Backup* **EM/CW**=Cold Start Battery Backup, -20°C, 90 Minutes* ***120-277V Models Only.**

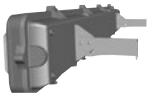
Accessories & Replacement Parts:

Mounting Accessories (Order Separately, Field Installed)

LVAQM	Stainless Steel Quick Mount Bracket. Requires Two Brackets Per Fixture. Note: The power feed must be made at the drill point locations on the sides of the fixture, not through the Bracket, to maintain the Wet Locations listing.
LVABRSS	Stainless Steel Adjustable Bracket, Set of Two
LV2AYSS	Stainless Steel Yokes for LV2A, Includes Hardware.



LVAQM



LVABRSS*

LV2AYSS*

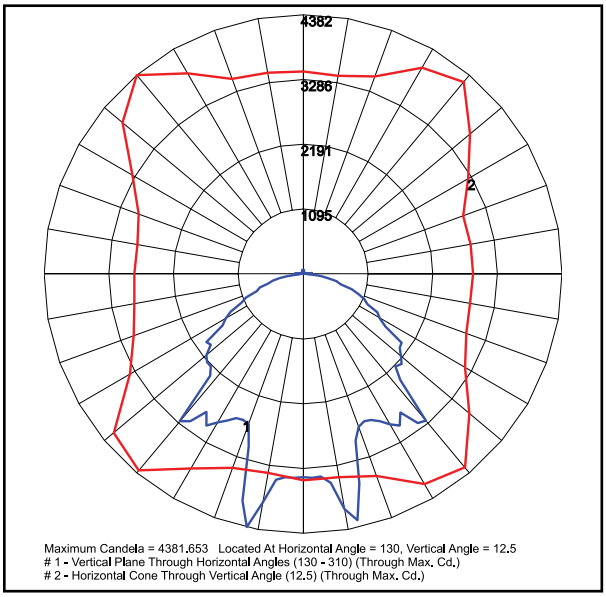
***Shown Mounted**

Replacement Parts (Order Separately, Field Installed)

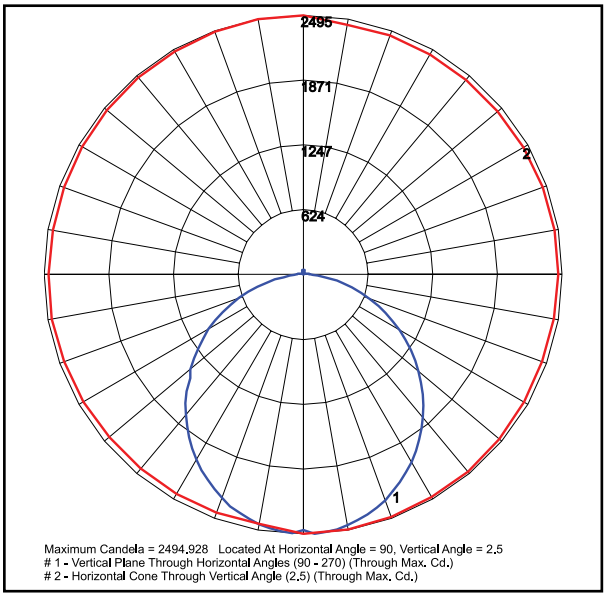
LV2ALL	SoftLED LumaLens Opal UV-Stabilized Polycarbonate Vandal-Resistant Lens
LV2APC	Clear UV-Stabilized Polycarbonate Vandal-Resistant Lens

For Replacement Battery Backup, see the LEPG LED Battery Backup Specification Sheet.

Photometric Data



NHL-DCVT2-F-66W-UNV-50K-C
Wide Optic



NHL-DCVT2-F-66W-UNV-50K-L
Wide Optic

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LED 24" Linear LED Die Cast

Photometric Performance

LED Board Watts	Drive Current (mA)	Input Watts	Optics	Spacing Criteria	5000 CCT 80 CRI Lumens	5000 CCT 80 CRI LPW	4000 CCT 80 CRI Lumens	4000 CCT 80 CRI LPW
LED 47w (Clear Lens)	116	58	Open Frame (100° x 100°)	1.22	7,309	126	7,017	121
LED 47w (LumaLens)			Open Frame (110° x 130°)	1.30	5,932	102	5,695	98
LED 66w (Clear Lens)		77	Open Frame (100° x 100°)	1.22	10,294	134	9,882	128
LED 66w (LumaLens)			Open Frame (110° x 130°)	1.30	8,356	109	8,021	104

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 77w	1.00	0.95	0.89	0.78	138,000
L70 Lumen Maintenance @ 50°C / 122°F		1.00	0.86	0.72	0.43	53,000
L80 Lumen Maintenance @ 40°C / 104°F		1.00	0.92	0.84	0.68	62,000

NOTES:
1. Projected per IESNA TM-21-11. Data references the extrapolated performance projections for the 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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