NHL-DCVT1

LED 12" Linear LED Die Cast

BUY AMERICAN ACT COMPLIANT

NHL-DCVT1-H

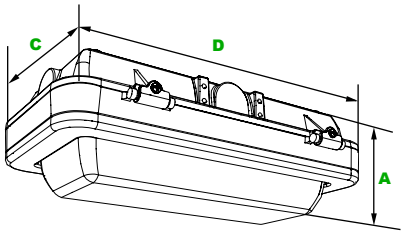
NHL-DCVT1-V

NHL-DCVT1-O

Shown with LumaLens

Dimensions

Width (D)	12⅛″ (309mm)
Length (C)	7″ (178mm)
Height (A)	**NHL-DCVT1-O:** 4″ (102mm) **NHL-DCVT1-H:** 4¼″ (107mm) **NHL-DCVT1-V:** 4¼″ (107mm)



The NHL-DCVT1 series wall, pendant 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 retail centers, industrial parks, schools and universities, public transit and airports, office buildings and medical 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. Can Be Tapped for Side Conduit Entry.

Listing & Ratings:
CSA: Listed for Wet Locations, ANSI/UL 1598, 8750
IP66 Sealed LED Compartment.

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:
Surface Mount or Use Optional ½″ NPS Adjustable Threaded Knuckle, Stainless Steel Quick-Mount Bracket, Adjustable Bracket or Yoke.

LED 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 -40°C to +50°C Environment.

See Page 3 for Projected Lumen Maintenance Table.

Order Information Example: NHL-DCVT1-O-F-37W-UNV-50K-C-P

Model	Optics	Wattage	Driver	CCT	Lens	Color
NHL-DCVT1-O=LED Open Frame 12" Linear LED Die Cast **NHL-DCVT1-H**=LED Horizontal Hood 12" Linear LED Die Cast **NHL-DCVT1-V**=LED Vertical Hood 12" Linear LED Die Cast	**F**=Wide	**22W**=22w **37W**=37w	**UNV**=120-277V	**40K**=4000K **50K**=5000K	**C**=Clear UV-Stabilized Polycarbonate Vandal-Resistant Lens **L**=SoftLED LumaLens Opal UV-Stabilized Polycarbonate Vandal-Resistant Lens	**P**=Platinum **CC**=Custom (Consult Factory)

Project Information:

Project Name: Fixture Type:

Complete Catalog #: Date:

Comments:

Certification & Listings:

IP66 SoftLED

Specifications subject to change without notice. Rev. 103020

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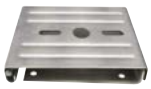
NHL-DCVT1

L70 25°C — 187,000 Hours

LED 12" Linear LED Die Cast

Accessories & Replacement Parts:



LVAQM

LVABRSS*

LV1AYSS*

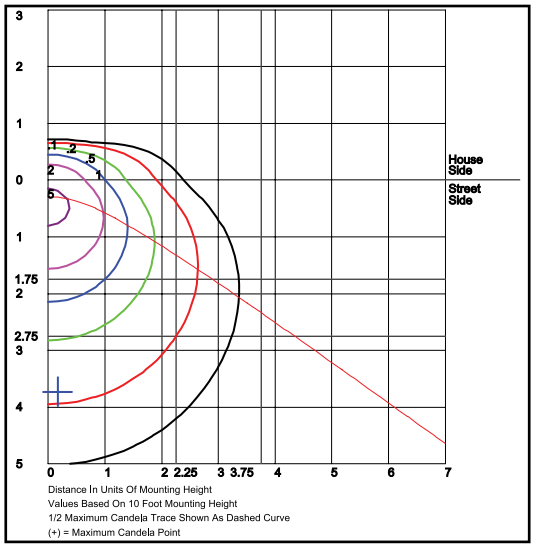
FLST1P*

*Shown Mounted

Mounting Accessories (Order Separately, Field Installed)	
LVAQM	Stainless Steel Quick Mount Bracket
LVABRSS	Stainless Steel Adjustable Bracket, Set of Two
LV1AYSS	Stainless Steel Yokes for LV1A, Includes Hardware.
FLST1P	½″ NPS Threaded Adjustable Knuckle, Platinum Finish.

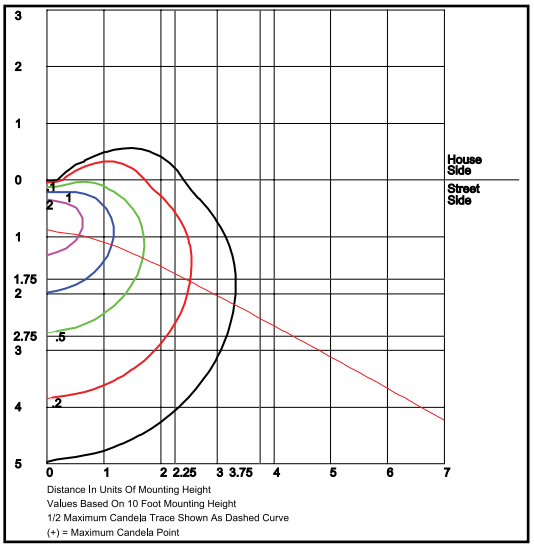
Replacement Parts (Order Separately, Field Installed)	
LV1ALL	SoftLED LumaLens Opal UV-Stabilized Polycarbonate Vandal-Resistant Lens
LV1APC	Clear UV-Stabilized Polycarbonate Vandal-Resistant Lens

Photometric Data for Wall Light Applications



NHL-DCVT1-H-F-37W-UNV-50K-L
Wide Optic

Grid in MH
MH=10 Feet



NHL-DCVT1-V-F-37W-UNV-50K-L
Wide Optic

Grid in MH
MH=10 Feet

Photometric Performance for Wall Light Applications

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

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NHL-DCVT1

L70 25°C 187,000 Hours

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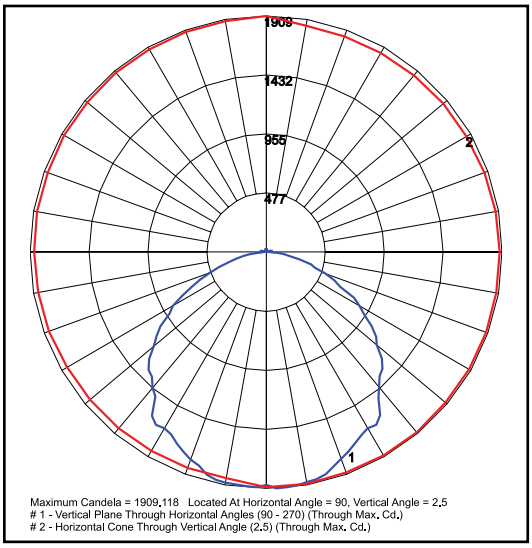
Photometric Data for Canopy/Ceiling Light Applications



Maximum Candela = 1909.118 Located At Horizontal Angle = 90, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)

NHL-DCVT1-O-F-37W-UNV-50K-C
Wide Optic

Photometric Performance for Canopy/Ceiling Light Applications

					5000 CCT 80 CRI		4000 CCT 80 CRI	
LED Board Watts	Drive Current (mA)	Input Watts	Optics	Spacing Criteria	Lumens	LPW	Lumens	LPW
LED 22w (Clear Lens)	116	26	Open Frame (110° x 110°)	1.34	3,332	128	3,199	123
LED 22w (LumaLens)			Open Frame (110° x 120°)	1.26	2,945	113	2,828	109
LED 37w (Clear Lens)		43	Open Frame (110° x 110°)	1.26	5,538	129	5,316	124
LED 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
L70 Lumen Maintenance @ 50°C / 122°F		1.00	0.93	0.86	0.72	109,000
L80 Lumen Maintenance @ 40°C / 104°F		1.00	0.94	0.88	0.79	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.

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