

# HV LED

Project Name:	
Type:	



### APPLICATION

Enclosed and gasket LED Hi-Bay is appropriate for damp and wet locations as well as for protection against dust and other non-hazardous contaminants. It is often used in food industry, cold storage, warehouses, parking garages, commercial kitchens, car washing, utility tunnels, laundries and industrial facilities.

### FEATURES:

- Vaportite fixture that features fiber glass housing with white powder coated iron gear tray, hinge at both side with tool less stainless steel latch for easy of accessibility and maintenance.
- One piece impact resistant Acrylic, frosted ends and side linear prism diffuser.
- Stainless steel latches as standard.
- Fixtures provided with black end plug, 7/8" housing end holes (2) - Snaps and locks tight to maintain tight seal of unused end holes.
- 86% minimum average reflective white power coated high gloss white reflectors or specular aluminum reflector.
- Housing utilizes off the shelf 1/2" fittings.
- Poured in place gasket helps seal the enclosures form most hostile environments.
- Optional Tamper resistance available.

### MOUNTING:

- Compatible with chain, cable, dual pendant mount (by others)

### LED:

- Color Temperature: 3000/3500/4000/5000 (K).
- LED Module: High efficiency up to 173 LPW.
- Calculated L70: 122,000 hours
- Reported L70: +60,000 hours
- Poke in wire connectors.
- Color variation within 3 MacAdam steps.
- LM80
- Color Rendering Index: > 80

### ELECTRICAL:

- High power factor electronic driver, operate from a 120~277 Vac input range, 50 / 60 Hz.
- Philips Xitanium: 0-10V Dim to 1%(PH).
- Osram Optotronic: 0-10V Dim to 1%(OS1) or 10%(OS).
- Generic: 0-10V Dim to 10%(GR).
- Power Factor: +0.9
- Efficiency: +85%
- Ambient Operating Temperature:
  - 4°F (-20°C) ~ 122°F (50°C) (Std.).
  - 40°F (-40°C) ~ 122°F (50°C) (with LT option)
  - 31°F (-35°C) ~ 140°F (60°C) (with HT option)
- Constant Current, Class 2

### <ELCU-200>

- Guarantees emergency lighting remains ON or is turned on when power to the control device is lost.
- Interfaces with fire alarm panel or security system.
- "Watchdog" feature allows emergency loads to be controlled in tandem with normal power loads.
- UL listed for use in emergency circuits.

### LISTING:

- UL/CUL listed and labeled.
- Listed to UL 1598 and UL 8750.
- NSF International certified.
- NEMA 4X certified.
- Suitable for damp and wet locations.
- CEC Compliant EM (please contact for more information)
- Assembled in USA.
- ARRA and BAA compliant.
- IP 67 rated.
- 5 years limited warranty.
- 7 or 10 years limited warranty. (optional) <sup>4</sup>
- Bluetooth Mesh System available, please contact factory for more information.


### CONFIGURATIONS

	LED Watts	AC Input	Lumen Output	Lumen Efficiency	
2FT	18LED	18W	2093 lm	116.3 lm/W	
	27LED	27W	3140 lm		
	36LED	36W	4187 lm		
	54LED	54W	6280 lm		
	66LED	66W	7676 lm		
	72LED	72W	8374 lm		
	80LED	80W	9304 lm		
	104LED	104W	12095 lm		
	130LED	130W	15119 lm		
4FT	162LED	162W	18840 lm	116.3 lm/W	
	66LED	66W	9268 lm		140 lm/W
	72LED	72W	9923 lm		137.8 lm/W
	80LED	80W	10796 lm		134.5 lm/W
	107LED	107W	13744 lm		128 lm/W
	134LED	134W	16692 lm		124.5 lm/W
	162LED	162W	19748 lm		121.9 lm/W
	194LED	194W	23242 lm		119.8 lm/W
	225LED	225W	26627 lm		118 lm/W
	250LED	250W	29584 lm		118 lm/W
290LED	290W	34318 lm	118 lm/W		


# LED ENCLOSED AND GASKET VAPORTITE HI-BAY

## ORDERING INFORMATION

EXAMPLE: HV-2G-4-66LED-50K-HE-UNV-GR-VH

MODEL	LENGTH	LED	COLOR TEMP.	EFFICACY	VOLTAGE	DIFFUSER TYPE
HV-2G	2' Length	18LED 18W LED 27LED 27W LED 36LED 36W LED 54LED 54W LED 66LED 66W LED 72LED 72W LED <sup>1</sup> 80LED 80W LED 104LED 104W LED 130LED 130W LED 162LED 162W LED	-30K 3000K -35K 3500K -40K 4000K -50K 5000K (Std.)	HE High Efficacy (Std.) 	UNV 120-277V 120V 277V 347V 480V	(Blank) Clear impact resistant acrylic (clear bottom and ends) PL Clear polycarbonate (clear bottom and ends) FT Frosted impact resistant acrylic (frosted bottom and ends) FT-PL Frosted polycarbonate (frosted bottom and ends)
	4' Length	66LED 66W LED 72LED 72W LED <sup>1</sup> 80LED 80W LED 107LED 107W LED 134LED 134W LED 162LED 162W LED 194LED 194W LED 225LED 225W LED 250LED 250W LED 290LED 290W LED	(Blank) Clear impact resistant acrylic with frosted ends PL Clear Polycarbonate with frosted ends FT Frosted impact resistant acrylic FT-PL Frosted polycarbonate (frosted bottom and ends)			

\* Contact factory for custom wattage or lumen requirement.

LED DRIVER		MOUNTING		CONTROLS	
GR	Generic, 0-10V 10% dim (Std.) <sup>5</sup>	VH	316 Stainless Steel V-Hook (Std.)	(Blank)	No sensor
DM1	Generic 0-10V 1% dim	CM	316 Stainless Steel Ceiling Mount	MS	Occupancy Sensor (Wet location)
PH	Philips Xitanium, 0-10V 1% dim <sup>5</sup>	RGD	Rigid Pendant Mount	RS-LRD	Remote programmer for LRD-509S and LRS-509S
OS	Osram Optotronic, 0-10V 10% dim <sup>5</sup>	ACxx	Highbay Aircraft Cable Y-Hook (Pair)	LOS-502S-x	Fixture external mount PIR occupancy sensor, no dimming support, 120/277V with DIP switch setting, Fail on
OS1	Osram Optotronic, 0-10V 1% dim <sup>5</sup>		Specify Cable Length: 60 inches, 120 inches	LRD-509S-x	Fixture external mount 0-10V SmartDIM or multi-level high/low dim control occupancy sensor, Fail on (*IR remote programmable)
SD40	40% / 100% Bi-Level Step dim (PH only)		* Contact factory for more sensor options.	LRS-509S-x	Fixture external mount Occupancy sensor control on/off daylight feature designed for all-purposes energy efficient lighting control, 120-277V, Fail on (*IR remote programmable)
SDXX	XX% / 100% Bi-Level Step dim (Specify XX : 10% ~ 70%) (PH only)			HC403	Hytronik Daylight Harvesting Occupancy Sensor, adjustable via DIP switch
TD30/70	30% / 70% / 100% Tri-Level Step dim (PH only)			HRC-05	Remote control for HC403 sensor
TDXX/YY	XX% / YY% / 100% Tri-Level Step dim (Specify XX, YY : 10% ~ 70%) (PH only)			IMS	Integrated Occupancy Sensor (up to 20ft mounting height)
ES566	eldo SOLDrive Natural Dimming to dark, 0-10V, 100% ~ 0.1% dim				
EC	eldoLED ECOdrive 0-10V natural dim to 1% (Hybrid HydraDrive)				
LDE1	Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology, 100% ~ 1% dim				
 BLT	Bluetooth Mesh System (contact factory for more information)				

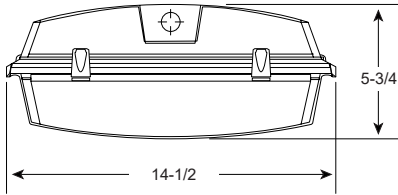
OPTIONS			
EMG8	1296 LUMEN EM Battery Backup (CEC Compliant EM) <sup>2,3</sup>	F1	Single Fuse for 120/277/347V <sup>3</sup>
EMG15	2430 LUMEN EM Battery Backup (CEC Compliant EM) <sup>2,3</sup>	F2	Double Fuse for 208/240/480V <sup>3</sup>
EMG20	3240 LUMEN EM Battery Backup (CEC Compliant EM) <sup>2,3</sup>	TR	Tamper-Proof Latch
EMG25	4050 LUMEN EM Battery Backup (CEC Compliant EM) <sup>2,3</sup>	TRDT	Tamper-Proof Driver Tool
CWEM8	Cold Weather 8W EM (-20°C to 55°C)	CS16/3	# 16/3 STW Cord and Plug set (Length and Plug NEMA type : consult with factory)
CWEM13	Cold Weather 13W EM (-20°C to 55°C)	O7W	Optional 7 Years Limited Warranty <sup>4</sup>
CWEM20	Cold Weather 20W EM (-20°C to 55°C)	O10W	Optional 10 Years Limited Warranty <sup>4</sup>
ELCU-200	Fail-to-on Emergency lighting, UL924 <sup>6</sup>	LT	Low Temperature for freezer (-40°F (-40°C) ~ 122°F (50°C))
GTD	Bodine Generator Transfer Device	HT	High Temperature (-31°F (-35°C) ~ 140°F (60°C))
GTD10DIM	Bodine Generator Transfer Device (0-10VDC Dimmer Override)	AMB	Anti-Microbial Coating (Matte Skye White)
AB	AB Switch	HC403	Microwave bi-level Occupancy Sensor, adjustable via DIP switch <sup>7</sup>
MR4	MIRO4 Reflector (Gear Tray Reflector)	C9	90+ CRI

LIGHTING CONTROL SYSTEM	
PPA102S	<Bluetooth> Bluetooth Powerpack (Consult factory for installation location)

### NOTES:

- Economic version : 100 lumen / Watt
- Contact factory for other emergency ballast options.
- Must specify voltage.
- This limited warranty covers electrical parts only and does not apply to labor, equipment lease, or defect from improper installation or operation. (EM battery backup does not included)
- To find an approved dimmer switch, please see table 1.
- Shipped separately.
- See Table2 to find factory setting.

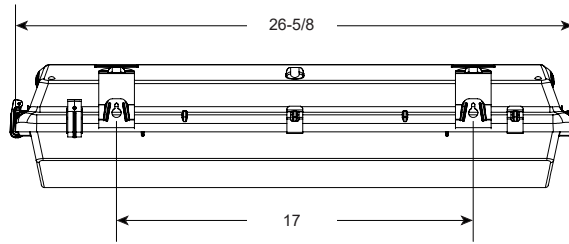
# HV LED



**Specifications: HV-4FT**

Length: 52-1/8 (1323)  
 Width: 14-1/2 (368)  
 Depth: 5-3/4 (146)

All dimensions are inches (millimeters).



**Specifications: HV-2FT**

Length: 26-5/8 (676)  
 Width: 14-1/2 (368)  
 Depth: 5-3/4 (146)

**OUTPUT CURRENT**

SW1	SW2	Bi-Level		Tri-Level (Default)	
		Config Range	Default	Config Range	Default
Close	Open	10% - 70%	40%	10% - 70%	30%
Open	Close	10% - 70%	40%	10% - 70%	70%
Close	Close	100%	100%	100%	100%
Open	Open	0%	0%	0%	0%

**APPROVED DIMMER SWITCH (TABLE 1)**

	Manufacturer	Manufacturer Part #
GR	LUTRON	NTSTV-DV
	LEVITON	IP710-DLZ
PH	LUTRON	Nova: NFTV- dimmer plus PP-DV relay pack(s) Nova T: NTSTV-DV-dimmer Diva: DVTV-dimmer, DVSCTV-dimmer, plus PP-DV relay pack(s), DVSTV-dimmer, DVSCSTV-dimmer GRAFIK Eye QS: QSGRJ-XP, plus GRX-TVI 0-10V interface GRAFIK Eye QS with EcoSystem: QSGRJ-XE, QSGR-XE, plus GRX-TVI 0-10V interface PowPak: RMJ-5T
	LEVITON	Leviton: IP710-LFZ
	PHILIPS	Sunrise - SR1200ZTUNV
OS, OS1	OSRAM	ZBHA-CLM DIM (NAED:45678)
	ENCELIUM EMS	EN-LCM-1R10V-GB2-BK, EN-LCM-1R10V-GB2-BK/DR, EN-ALC-1R10V-GB2-BK, EN-ALC-1R10V-GB2-BK-DR
	LEVITON	IP710-DLX
	LUTRON	DVTV-XX
	WATTSTOPPER	ADF-120277
	SYNERGY LIGHTING CONTROLS	ISD BC
	WATTSTOPPER	FD-301
	WATTSTOPPER	FSP-202
ENLIGHTED INC.	SU-3E-00 (Enlighted Compact Sensor)	

\* If you want other specific kind, please contact us.

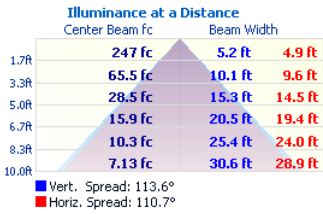
**HC403 FACTORY SETTING (TABLE 2)**

Detection Area	100%
Hold-time	5 sec
Daylight sensor	Disable
Stand-by period (tri-level control)	10 sec
Stand-by dimming level	10%

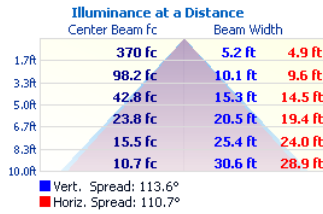
\* See a separate attachment to find more setting options.

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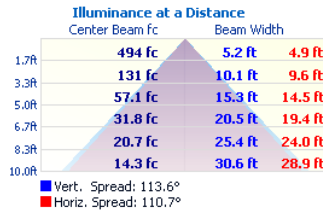
**HV-2-18LED**



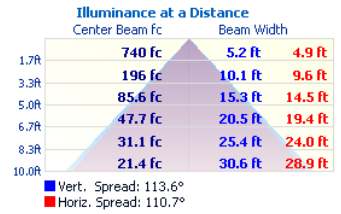
**HV-2-27LED**



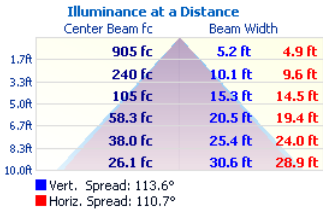
**HV-2-36LED**



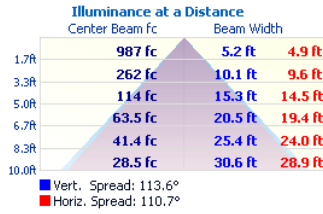
**HV-2-54LED**



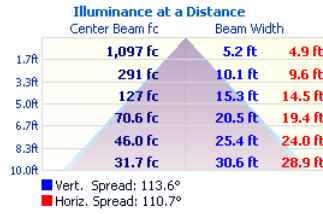
**HV-2-66LED**



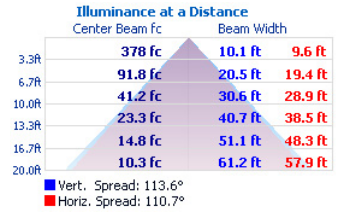
**HV-2-72LED**



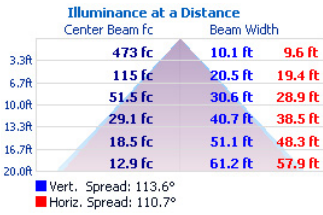
**HV-2-80LED**



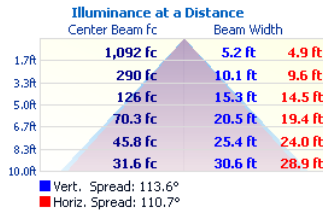
**HV-2-103LED**



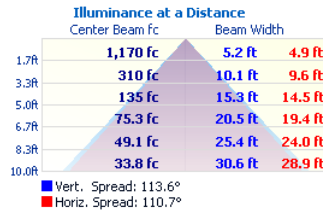
**HV-2-130LED**



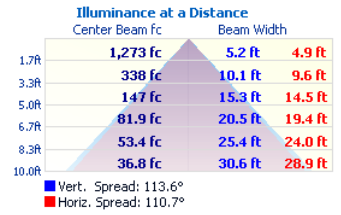
**HV-4-66LED**



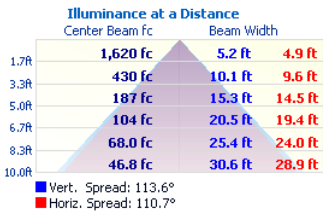
**HV-4-72LED**



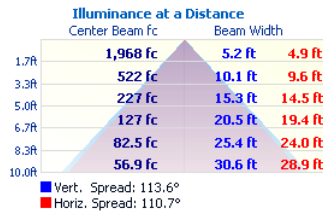
**HV-4-80LED**



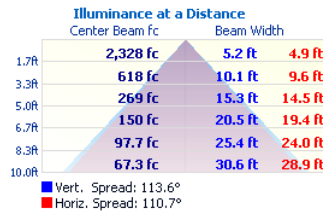
**HV-4-107LED**



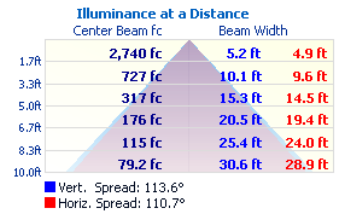
**HV-4-134LED**



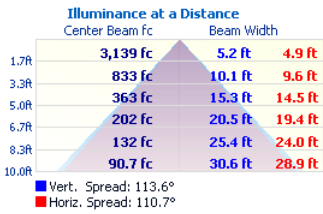
**HV-4-162LED**



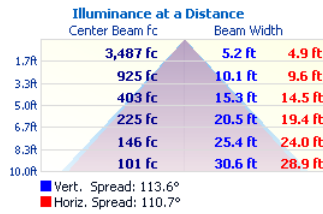
**HV-4-194LED**



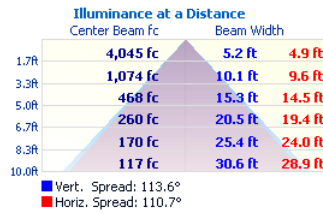
**HV-4-225LED**



**HV-4-250LED**



**HV-4-290LED**



# HV LED

**RGD : Rigid Pendant Mount**

