

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) ⁴
- 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 ¹ 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 120 120V 277 277V 347 347V 480 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 ¹ 80LED 80W LED 107LED 107W LED 134LED 134W LED 162LED 162W LED 194LED 194W LED 225LED 225W LED 250LED 250W LED 290LED 290W LED				

* Contact factory for custom wattage or lumen requirement.

LED DRIVER		MOUNTING		CONTROLS	
GR Generic, 0-10V 10% dim (Std.) ⁵ PH Philips Xitanium, 0-10V 1% dim ⁵ OS Osram Optotronic, 0-10V 10% dim ⁵ OS1 Osram Optotronic, 0-10V 1% dim ⁵ SD40 40% / 100% Bi-Level Step dim (PH only) SDXX XX% / 100% Bi-Level Step dim (Specify XX : 10% ~ 70%) (PH only) TD30/70 30% / 70% / 100% Tri-Level Step dim (PH only) TDXX/YY XX% / YY% / 100% Tri-Level Step dim (Specify XX, YY : 10% ~ 70%) (PH only) 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)	VH 316 Stainless Steel V-Hook (Std.) CM 316 Stainless Steel Ceiling Mount RGD Rigid Pendant Mount ACxx Highbay Aircraft Cable Y-Hook (Pair) Specify Cable Length: 60 inches, 120 inches * Contact factory for more sensor options.	(Blank) No sensor MS Occupancy Sensor (Wet location) RS-LRD Remote programmer for LRD-509S and LRS-509S LOS-502S-x Fixture external mount PIR occupancy sensor, no dimming support, 120/277V with DIP switch setting, Fail on LRD-509S-x Fixture external mount 0-10V SmartDIM or multi-level high/low dim control occupancy sensor, Fail on (*IR remote programmable) 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) HC403 Hytronik Daylight Harvesting Occupancy Sensor, adjustable via DIP switch HRC-05 Remote control for HC403 sensor IMS Integrated Occupancy Sensor (up to 20ft mounting height)			

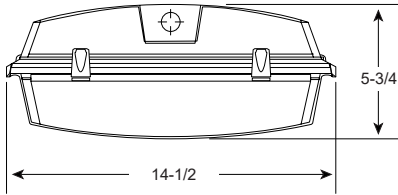
OPTIONS	
EMG8 1296 LUMEN EM Battery Backup (CEC Compliant EM) ^{2,3} EMG15 2430 LUMEN EM Battery Backup (CEC Compliant EM) ^{2,3} EMG20 3240 LUMEN EM Battery Backup (CEC Compliant EM) ^{2,3} EMG25 4050 LUMEN EM Battery Backup (CEC Compliant EM) ^{2,3} CWEM8 Cold Weather 8W EM (-20°C to 55°C) CWEM13 Cold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

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.

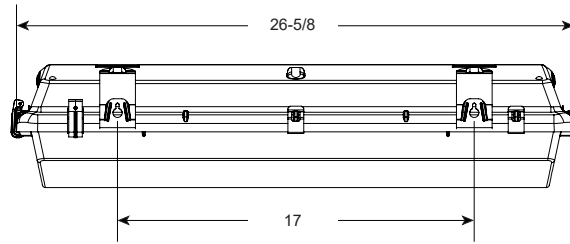
HV LED



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.

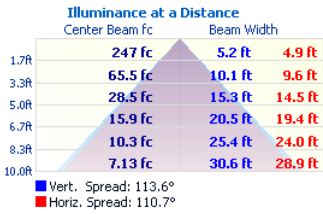
HC403 FACTORY SETTING (TABLE 2)

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

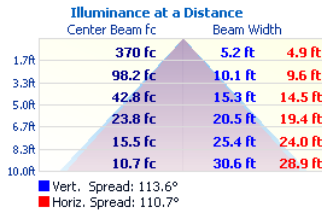
* See a separate attachment to find more setting options.

HV LED

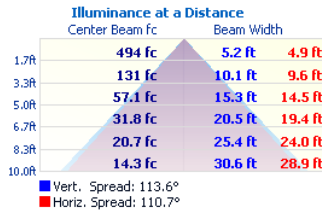
HV-2-18LED



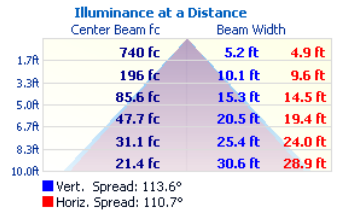
HV-2-27LED



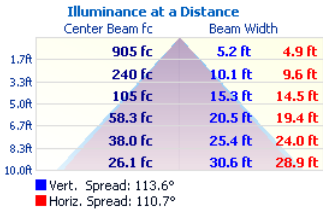
HV-2-36LED



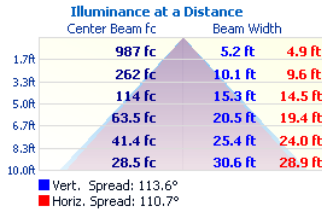
HV-2-54LED



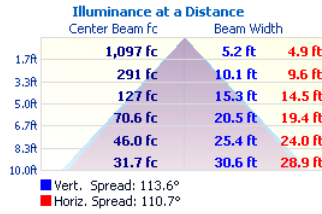
HV-2-66LED



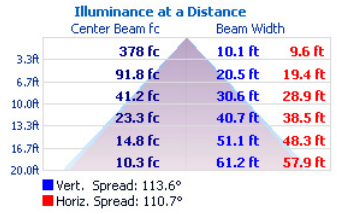
HV-2-72LED



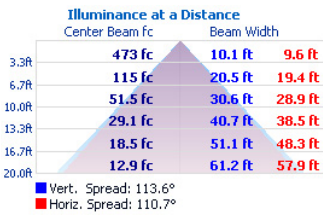
HV-2-80LED



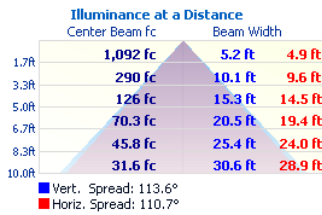
HV-2-103LED



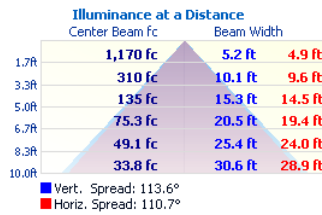
HV-2-130LED



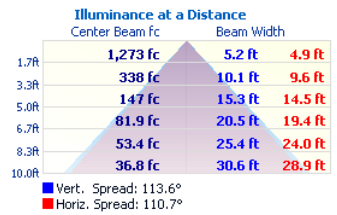
HV-4-66LED



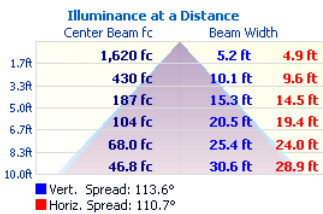
HV-4-72LED



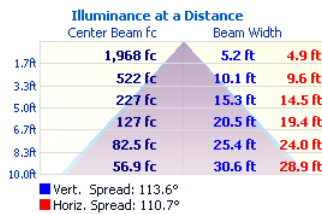
HV-4-80LED



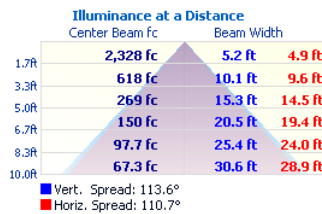
HV-4-107LED



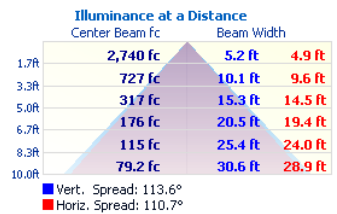
HV-4-134LED



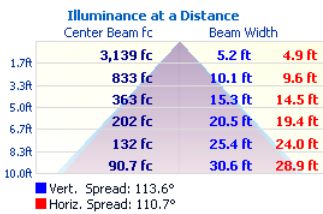
HV-4-162LED



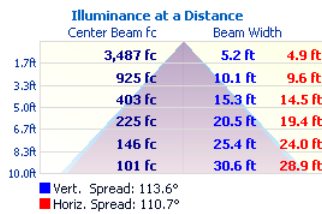
HV-4-194LED



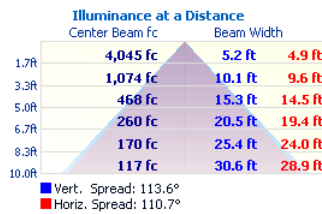
HV-4-225LED



HV-4-250LED



HV-4-290LED



HV LED

RGD : Rigid Pendant Mount

