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 efficency 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.
- 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	
	162LED	162W	18840 lm	
4FT	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

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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	2' Length	18LED	18W LED	-30K	3000K	HE	High Efficacy (Std.) 10%	UNV	120-277V	(Blank)	Clear impact resistant acrylic (clear bottom and ends)
			27LED	27W LED	-35K	3500K			120	120V	PL	Clear polycarbonate (clear bottom and ends)
			36LED	36W LED	-40K	4000K			277	277V	FT	Frosted impact resistant acrylic (frosted bottom and ends)
			54LED	54W LED	-50K	5000K (Std.)			347	347V	FT-PL	Frosted polycarbonate (frosted bottom and ends)
			66LED	66W LED					480	480V		
			72LED	72W LED [1]								
			80LED	80W LED								
			104LED	104W LED								
			130LED	130W LED								
			162LED	162W LED								
	4	4' Length	66LED	66W LED							(Blank)	Clear impact resistant acrylic with frosted ends
			72LED	72W LED [1]							PL	Clear Polycarbonate with frosted ends
			80LED	80W LED							FT	Frosted impact resistant acrylic
			107LED	107W LED							FT-PL	Frosted polycarbonate (frosted bottom and ends)
			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]	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)
SD40	40% / 100% Bi-Level Step dim	RGD	Rigid Pendant Mount	RS-LRD	Remote programmer for LRD-509S and LRS-509S
SDXX	XX% / 100% Bi-Level Step dim (Specify XX : 10% ~ 70%)	ACxx	Highbay Aircraft Cable Y-Hook (Pair) Specify Cable Length: 60 inches, 120 inches	LOS-502S-x	Fixture external mount PIR occupancy sensor, no dimming support, 120/277V with DIP switch setting, Fail on
TD30/70	30% / 70% / 100% Tri-Level Step dim		* Contact factory for more sensor options.	LRD-509S-x	Fixture external mount 0-10V SmartDIM or multi-level high/low dim control occupancy sensor, Fail on (*IR remote programmable)
TDXX/YY	XX% / YY% / 100% Tri-Level Step dim (Specify XX, YY : 10% ~ 70%)			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)
ES566	eldo SOLOdrive Natural Dimming to dark, 0-10V, 100% ~ 0.1% dim			HC403	Hytronik Daylight Harvesting Occupancy Sensor, adjustable via DIP switch
EC	eldoLED ECOdrive 0-10V natural dim to 1% (Hybrid HydraDrive)			HRC-05	Remote control for HC403 sensor
LDE1	Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology, 100% ~ 1% dim			IMS	Integrated Occupancy Sensor (up to 20ft mounting height)
BLT	Bluetooth Mesh System (contact factory for more information)				

OPTIONS			
EMG8	1296 LUMEN EM Battery Backup (CEC Compliant EM) [2, 3]	F1	Single Fuse for 120/277/347V [3]
EMG15	2430 LUMEN EM Battery Backup (CEC Compliant EM) [2, 3]	F2	Double Fuse for 208/240/480V [3]
EMG20	3240 LUMEN EM Battery Backup (CEC Compliant EM) [2, 3]	TR	Tamper-Proof Latch
EMG25	4050 LUMEN EM Battery Backup (CEC Compliant EM) [2, 3]	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 [4]
CWEM20	Cold Weather 20W EM (-20°C to 55°C)	O10W	Optional 10 Years Limited Warranty [4]
ELCU-200	Fail-to-on Emergency lighting, UL924 [6]	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 [7]
MR4	MIRO4 Reflector (Gear Tray Reflector)	C9	90+ CRI

LIGHTING CONTROL SYSTEM	
	<Bluetooth>
PPA102S	Bluetooth Powerpack (Consult factory for installation location)
CASAMBI	Contact factory for CASAMBI READY options

NOTES:
1. Economic version : 100 lumen / Watt
2. Contact factory for other emergency ballast options.
3. Must specify voltage.
4. 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)
5. To find an approved dimmer switch, please see table 1.
6. Shipped separately.
7. See Table2 to find factory setting.

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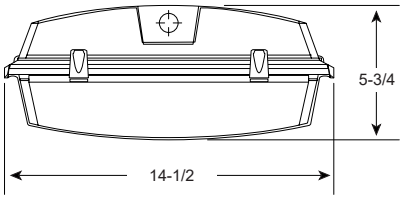
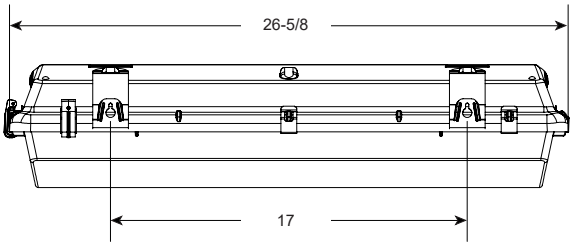
HV LED





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

		Bi-Level		Tri-Level (Default)	
SW1	SW2	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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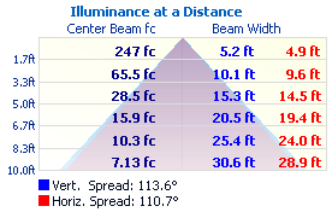
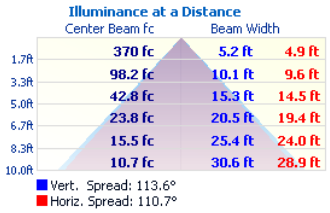
HV LED

HV-2-18LED



HV-2-27LED



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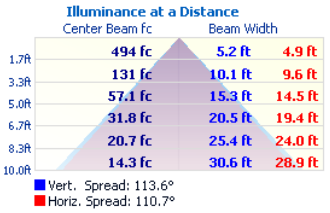

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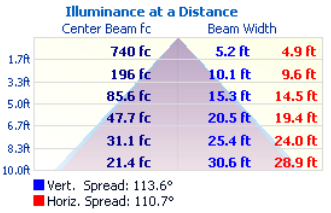

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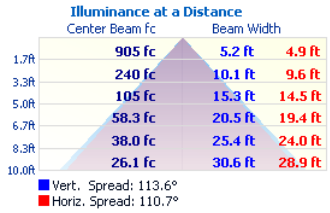

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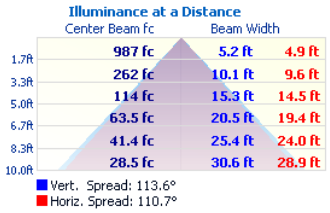

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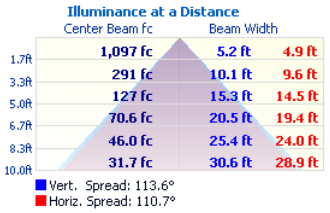

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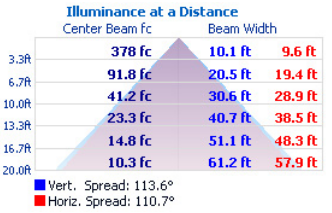

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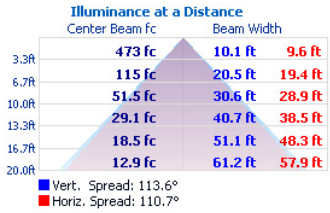

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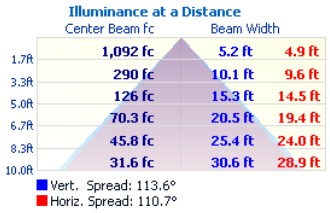

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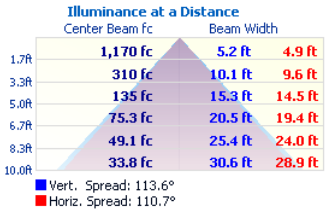

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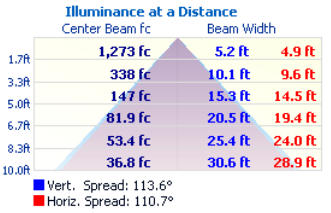
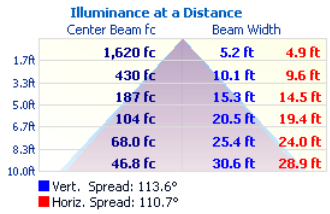


HV-4-107LED



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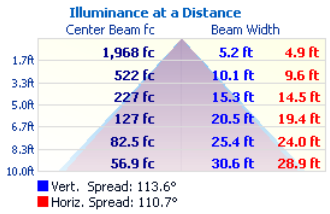

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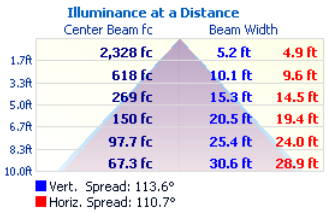

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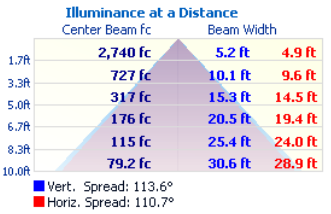

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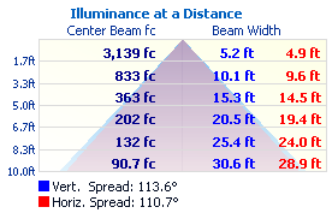

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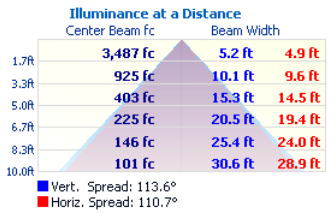

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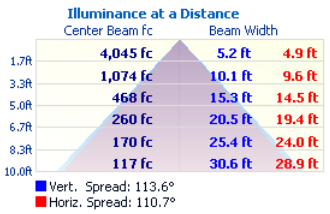

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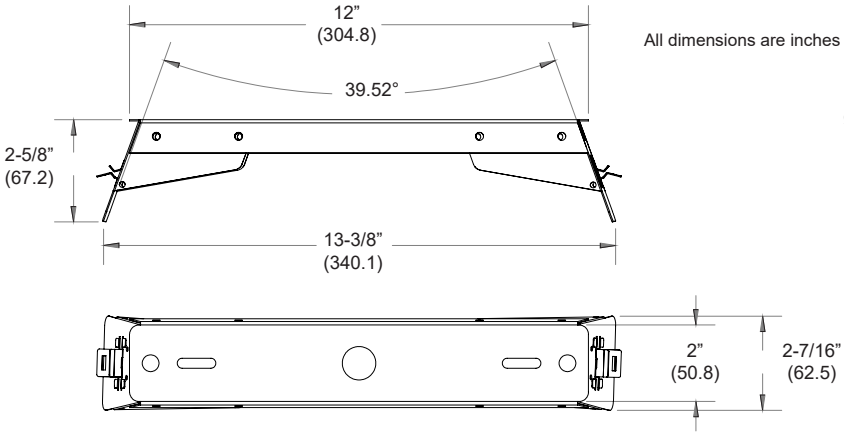
RGD : Rigid Pendant Mount



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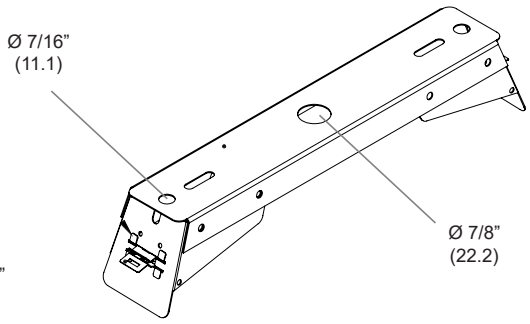

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