Project		**Catalog #**		**Type**	
Prepared by		**Notes**		**Date**	

Fail-Safe

HVL8 / HVL12

8", 12" Width
Individual or Continuous Run
Vandal Resistant / High Abuse
Surface or Pendant

Typical Applications

Healthcare • Education • Corridors • Public Restrooms • Dormitories • Transit Stations • Common Areas

Interactive Menu

Product Certification

Product Features

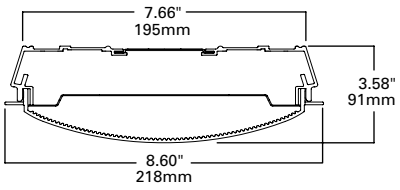
wet location

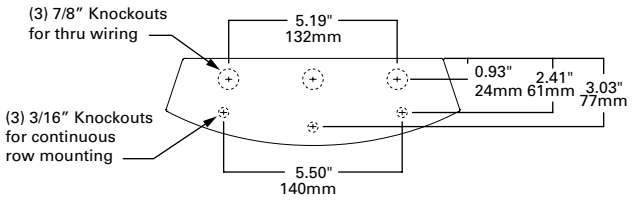
Top Product Features

- Aesthetically pleasing vandal resistant surface- or pendant-mount. Matte white paint standard
- Individual or continuous runs for design flexibility; ceiling or wall
- Heavy duty extruded aluminum side rails for added protection and robustness
- Opal or clear linear ribbed polycarbonate lens obscures lamp image, prisms inward
- Flat or sculpted die-cast aluminum end caps for decorative appeal
- Options to meet Buy American Act requirements

Dimensional and Mounting Details

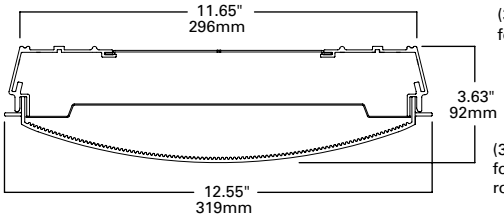
HVL8

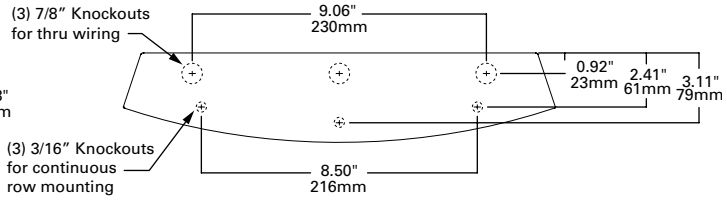




HVL8 FLAT END CAP DETAIL

HVL12





HVL12 FLAT END CAP DETAIL

Overall Length Dimensions

Overall Length		
	Smooth End Caps	Decorative End Caps
1'	13.80"	15.6"
2'	25.20"	27.0"
4'	47.10"	48.9"
8'	94.17"	95.97"

Order Information

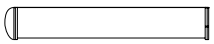
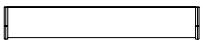
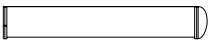
SAMPLE ORDER NUMBER: **INDIVIDUAL: HVL8-4-LD4-2HI-40-UNV-O-EDD1-D**
CONTINUOUS: HVL12-BR-8-LD4-2LO-40-UNV-O-EDC1-D

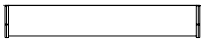
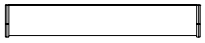
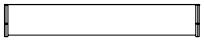
Domestic Preferences	Product Family	Row/Node Configuration	Length	LED Type	No. of LEDs	Illumination Level	Color Temperature	Voltage
[Blank]=Standard **BAA**=Buy American Act	**HVL8**=8" Width Harmony VR Linear **HVL12**=12" Width Harmony VR Linear	**Individual** Leave blank **Continuous Run** **BR**=Beginning of run **MR**=Middle of run (2) **ER**=End of run	**1**=1' Length (single circuit only) **2**=2' Length **4**=4' Length **8**=8' Length	**LD4**=LED Version 4.0	**1**=(1) LED Module in Cross-section **2**=(2) LED Modules in Cross-section **3**=(3) LED Modules in Cross-section	**STD**=Standard **LO**=Low **HI**=High	**30**=3000 Kelvin **35**=3500 Kelvin **40**=4000 Kelvin **50**=5000 Kelvin	**UNV**=120V-277V **347**=347V (Emergencies, OS1 or OS2 options are not available with 347V)
Notes (1) Only product configurations with this designated prefix are built to be compliant with the Buy American Act of 1933 (BAA). Please refer to DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.		**Notes** (2) For MR (middle of run) luminaires, do not specify end cap style. Defaults to flat.						

Lens Type	Driver	No.of Circuits	End Caps	Options	Finish	Accessories (Order Separately) (10)
O=Opal Polycarbonate, (ribbed inside) **C**=Clear Polycarbonate, (ribbed inside)	**EDC**=Electronic Driver, Non-Dimming **EDD**=Electronic Driver, 0-10V Dimming, 10% **ED1D**=Electronic Driver, 0-10V Dimming, 1% **5LTD**=Fifth Light Dali Driver (10%-100% dimming) (3)	**1**=1 Circuit **2**=2 Circuits **3**=3 Circuits	**D**=Decorative, End Caps, Sculpted **S**=Smooth End Caps, Flat	**PM**=Pendant Mount (Damp location rated only) (4) **NSF**=Certified NSF Rating for Food Industry. (9) **TILW**=Tandem In-Line Wiring (8' fixture only) **PI1BLK-6PP-WG**=Single circuit harness, hot conductor black and white neutral connected to driver(s), with ground (5), (6) **PI2BLK-6PP-WG**=Dual circuit harness, hot black conductor and white neutral connected to driver(s), with ground (5), (6) **PI2BLU-6PP-WG**=Dual circuit harness, hot blue conductor and white neutral connected to driver(s), with ground (5), (6) **IB/OB**=Inboard/outboard wiring (only necessary for 8T) **EL7W**=7W Emergency Battery Pack. (347V emergency not available) (7), (8) **EL10W**=10W Emergency Battery Pack, (347V emergency not available) (7), (8) **EL14W**=14W Emergency Battery Pack, (347V emergency not available) (7), (8) **IP64**=IP64 compliant (water: 2.6 GPM, 11.6 PSI minimum, spray all directions, 20 minutes. Dust: no internal accumulation, 20 minutes in dust chamber). IP64 not available with PM option. IP64 not available with NSF option. **NAT**=Natatorium; Aluminum Components, and Stainless Steel Hardware **90**=90CRI	**[Blank]**=Architectural Matte White **BK**=Architectural Black **DP**=Dark Platinum	**VRSD**=T20 Center Pin Tamperproof TORX®-head bit **SCF-XX-B**=Fixed Stem Set XX= Length (6, 8, 12, 24, 36, 48, 60, 72), One set consists of one stem assembly. Minimum of two sets required per fixture. **Y-TOG-LEVELER-LOOP-10FT**= (11) Y-toggle aircraft cable, with leveling capability, 10' length, loop on end **Y-TOG-LEVELER-LOOP-30FT**=(11) Y-toggle aircraft cable, with leveling capability, 30' length, loop on end
	Notes (3) Available in 4' or 8' lengths, and 2' length minimum 2 rows leds.			**Notes** (4) Stems (see accessories) must be ordered separately. Damp location only. IP64 not available with PM option (not available in 1' length). (5) Consult factory for additional configurations.(6) Black conductor connected to outboard lamp - default at factory with inboard/outboard wiring. (7) Consult factory for manufacturer/catalog number of EM pack. Not available in 1 ft. or 2 ft. length. (8) HVL8 3HI option not available with emergency battery pack. (9) Phillips-head screws used to secure lens to housing. NSF option is not avaialable with IP64.		**Notes** (10) Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information. (11) Consists of 2 aircraft cables. Safe working load of 33 lbs per cable. Ends of cable are inserted in obround holes, shown on bottom of page 5.

Ordering Information Example: (3) 8' Fixtures, 24' Continuous Run

Decorative End Caps
Beginning: (1) HVL8-BR-8-LD4-2STD-40- UNV-O-EDC1-D Middle: (1) HVL8-MR-8-LD4-2STD-40-UNV-O-EDC1 End: (1) HVL8-ER-8-LD4-2STD-40-UNV-O-EDC1-D
Flat (Smooth) End Caps
Beginning: (1) HVL8-BR-8-LD4-2STD-40- UNV-O-EDC1-S Middle: (1) HVL8-MR-8-LD4-2STD-40-UNV-O-EDC1 End: (1) HVL8-ER-8-LD4-2STD-40-UNV-O-EDC1-S

Decorative End Caps - Continuous Run (-D)		
BR (Beginning Run)	**MR (Middle Run)**	**ER (End Run)**
		
Decorative endcaps on left, flat endcap on right, to attach to MR fixture.	Flat endcaps on both ends, by default.	Decorative endcaps on right, flat endcap on left, to attach to MR fixture.

Flat (Smooth) End Caps - Continuous Run (-S)		
BR (Beginning Run)	**MR (Middle Run)**	**ER (End Run)**
		
Flat endcaps on both ends to attach to MR fixture.	Flat endcaps on both ends, by default.	Flat endcaps on both ends to attach to MR fixture.

Corner Mount Bracket Accessories

8" CORNER MOUNT BRACKET [1]
HVL8-2LEDCM=8", 2Ft. LED Corner Mount
HVL8-4LEDCM=8", 4Ft. LED Corner Mount
12" CORNER MOUNT BRACKET [1]
HVL12-2LEDCM=12", 2Ft. LED Corner Mount
HVL12-4LEDCM=12", 4Ft. LED Corner Mount

Note: (1) Requires 90-degree offset 1/4" driver and VRSB bit for installation.

PENDANT MOUNT: Suspension Sets - Stem Sets
XX=Length (6, 8, 12, 24, 36, 48, 60, 72)
SCF-XX-B=Fixed Stem Set
Used with all surface fixtures as stem sets. One set consists of one stem assembly. Minimum of two sets required per fixture. Not rated WL under covered ceiling.

Note: Coupler, 3/8" IPS Pipe Coupler to join lengths. Coupler is standard baked white enamel or special order of black. Must specify pedant mount (PM) option on luminaire.

Energy Data
For Energy Management related technical data to support the performance of this fixture series, refer to the ordering information for input wattage.

Ratings
cULus listed Wet Location rated - standard IP64 - available NSF - available NAT - available

Product Specifications

Application
- Vandal resistant/high abuse luminaire suitable for use complex environments for protection from vandalism including: Schools, Dormitories, Hospitals Public restrooms, Common areas, Corridors, Transit stations

Housing
- Heavy duty extruded aluminum rails
- Electrostatically applied, matte white powder coat finish
- Black and Dark Platinum available
- RAL#s are required for non-standard color finish

End Caps
- One piece, die-cast aluminum
- Flat or sculpted decorative styles
- Flat end caps have 3 knockouts (7/8") for thru-wiring and 3 knockouts (1/4") to attach/secure fixture and ensure ultra-straight rows for continuous run applications

Fasteners
- Stainless steel tamper-resistant T20 TORX® screws with center pin reject standard
- Allen head set screws provided
- Screws mounted along the fixture side, concealed by polycarbonate lens

Lens
- One-piece extruded UV stabilized polycarbonate, opal or clear
- Unique linear ribbed design provides uniform light distribution while obscuring lamp image and direct glare
- Internal ribs reduce dirt build-up and facilitates cleaning
- Nominal thickness 0.135"

Reflector
- Heavy gauge steel construction
- Serves as a wireway cover and driver tray
- Electrostatically applied, Gloss White power coat finish

LEDs
- Available in 3000K, 3500K, 4000K and 5000K; 80 CRI minimum

Electrical
- Electronic driver 120-277V, dimming driver standard
- 0-10V dimming down to 1% or 10%
- Non-dimming available

Compliances
- cULus listed for wet locations under covered ceiling standard.
- IP64 rating available
- Optional NSF2 listed (non-food, splash zone). Typical rating for lluminaires not subjected to direct food contact.
- DesignLight Consortium qualified and DCL classified standard (refer to www.designlight.org for details)

Warranty
- Five year limited warranty on LEDs and Electrical, consult website for details. www.cooperlighting.com/legal .
- Fail-Safe will repair or replace any vandal resistant/ high abuse luminaire, that is deemed non-functional due to physical damage to the luminaire exterior housing or polycarbonate lens. The luminaire must be installed correctly, and the warranty does not include any interior component, nor does it include damage due to gunfire, paint, caustic material/ chemicals, disastrous or abnormal events.
- TORX® is a registered trademark of Camcar Division of Textron Inc.

Nominal Input Watts/Nominal Delivered Lumens

View IES files

HVL8				Clear Lens		Opal Lens	
Length	No of Modules	Illumination Level	Input Watts	Delivered Lumens	LPW	Delivered Lumens	LPW
1	1	LO	5.8	720	124	652	112
	1	STD	8.2	928	113	840	102
	1	HI	10.7	1194	112	1081	101
	2	LO	11.5	1368	119	1239	108
	2	STD	16.3	1762	108	1596	98
	2	HI	21.5	2268	105	2054	96
	3	LO	16.8	2158	128	1954	116
	3	STD	23.9	2779	116	2517	105
	3	HI	31.5	3577	114	3239	103
2	1	LO	11.5	1441	125	1096	95
	1	STD	16.3	1856	114	1412	87
	1	HI	21.5	2389	111	1817	85
	2	LO	23.1	2736	118	2082	90
	2	STD	32.7	3525	108	2682	82
	2	HI	43.1	4536	105	3451	80
	3	LO	33.7	4315	128	3283	97
	3	STD	47.8	5559	116	4229	89
	3	HI	63	7153	114	5442	86
4	1	LO	23	2882	125	2192	95
	1	STD	32.6	3712	114	2824	87
	1	HI	43	4777	111	3634	85
	2	LO	46.1	5473	119	4164	90
	2	STD	65.4	7050	108	5363	82
	2	HI	86.1	9072	105	6902	80
	3	LO	67.4	8630	128	6566	97
	3	STD	95.5	11117	116	8458	89
	3	HI	125.9	14307	114	10885	87
8	1	LO	46	4843	105	4385	95
	1	STD	65.2	6238	96	5648	87
	1	HI	86	8028	93	7269	85
	2	LO	92.2	9197	100	8327	90
	2	STD	130.7	11847	91	10727	82
	2	HI	172.3	15245	89	13804	80
	3	LO	134.8	14503	108	13132	97
	3	STD	191	18682	98	16916	89
	3	HI	251.8	24042	96	21769	87

*** Nominal input wattage values include LED voltage, drive current, and typical driver efficiency. Refer to LM79 data/photometric files for exact delivered lumen and input wattage values. Values in table are nominal values only.**

Nominal Input Watts/Nominal Delivered Lumens

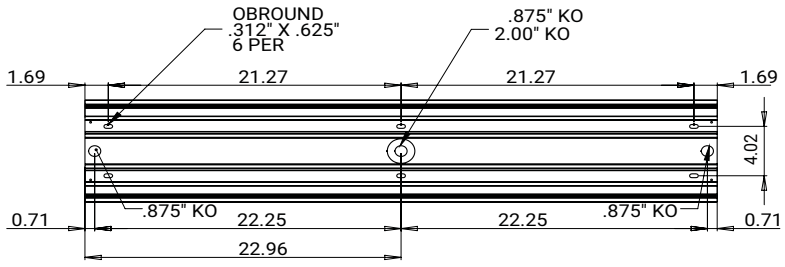
View IES files

HVL12				Clear Lens		Opal Lens	
Length	No of Modules	Illumination Level	Input Watts	Delivered Lumens	LPW	Delivered Lumens	LPW
1	2	LO	11.8	1428	121	1293	110
	2	STD	16.8	1840	110	1666	99
	2	HI	22.1	2368	107	2144	97
	3	LO	17.3	2253	130	2040	118
	3	STD	24.5	2902	118	2627	107
	3	HI	32.3	3734	116	3381	105
2	2	LO	23.7	2857	121	2174	92
	2	STD	33.6	3680	110	2800	83
	2	HI	44.2	4736	107	3603	82
	3	LO	34.6	4505	130	3428	99
	3	STD	49.1	5804	118	4415	90
	3	HI	64.7	7468	115	5682	88
4	2	LO	47.4	5714	121	4347	92
	2	STD	67.1	7360	110	5600	84
	2	HI	88.5	9472	107	7206	81
	3	LO	69.2	9011	130	6855	99
	3	STD	98.1	11607	118	8831	90
	3	HI	129.3	14937	116	11364	88
8	2	LO	94.7	9602	101	8694	92
	2	STD	134.3	12368	92	11199	83
	2	HI	176.9	15917	90	14412	82
	3	LO	138.4	15142	109	13711	99
	3	STD	196.2	19505	99	17661	90
	3	HI	258.6	25101	97	22728	88

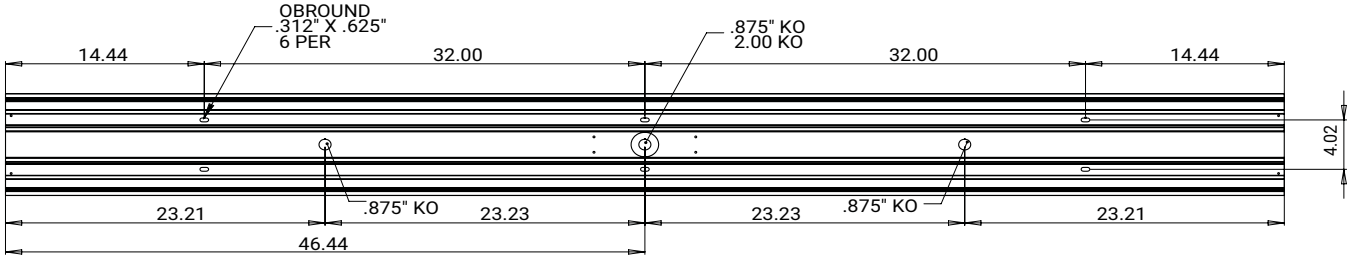
*** Nominal input wattage values include LED voltage, drive current, and typical driver efficiency. Refer to LM79 data/photometric files for exact delivered lumen and input wattage values. Values in table are nominal values only.**

Mounting Details

HVL8 4FT



HVL8 8FT



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