



Control options available

Day-Brite / CFI Vaporlume LED sealed industrial V2 is a specialized wet location, IP rated product designed for use in both indoor and outdoor environments. It is a wet location listed, non-corrosive luminaire available in both fluorescent and LED light sources.

Project: _____

Location: _____

Cat.No: _____

Type: _____

Lumens: _____ Qty: _____

Notes: _____

Ordering guide

Example: V2WAE51L840-4-UNV-MD360W

Family	Application	Lens	Hubs Installed	Lumen Package	Color Temp.	Length	Voltage	Driver	Options
V2	W				—	—	—	—	
V2 Vaporlume	W Wet location	A DR Acrylic P Polycarbonate L Enhanced LED Acrylic	E Ends only T Top only B Both ends and top	35L 3500 nominal lumens 43L 4300 nominal lumens 51L 5100 nominal lumens (25°C ambient) 51LH 5100 nominal lumens (-35°C to 40°C) 70L 7000 nominal lumens	830 80 CRI, 3000K 835 80 CRI, 3500K 840 80 CRI, 4000K 850 80 CRI, 5000K	4 4'	UNV Universal Voltage, 120-277V 347 ¹ 347V 480 ¹ 480V	blank 0-10V dimming SDIM ² Step dimming to 40% input power	MD360W Wet location occupancy sensor, external WHP Wide Beam Optic EMLED ³ Integral Emergency IP67 Protection against effects of immersion GLR Fusing, fast blow TR Torx T-15 tamper resistant stainless steel latches (TPDH tamper proof driver required) SNH200 ⁴ Integral EasySense occupancy & daylight sensor, with advanced SpaceWise type wireless grouping IAI ⁴ Integral Interact Industry daylighting and occupancy sensor, enables wireless connected lighting control

Footnotes

- All 347V and 480V models available only for (-20°C to 25°C) ambient. Not available for use with 51LH or SDIM options.
- Step dim (SDIM) option not available on 51LH.
- EMLED option not available on 347V or 480V models.
- High bay motion detector. Motion sensing zone is extremely limited if used below 15' mounting height.

Accessories (order separately)

- TBK** – Stainless Steel Top Bracket Kit (pair of brackets plus hardware)
- EBK** – Stainless Steel End Bracket Kit (pair of brackets plus hardware)
- WBK** – Stainless Steel Wraparound Bracket Kit (pair of brackets)
- FKR-126** – Chain Hanger Set (requires TBK)
- TPDTH** – Tamper proof driver, Torx T-15 head pin drive and handle (required with TR option)



V2 Vaporlume LED sealed industrial

4', 3500 to 7000 lumens

Application

- Ideally suited for use in refrigerated cold storage, industrial, parking garage, and canopy applications.
- Acceptable for outdoor as well as indoor installations.
- Can be surface (wall/ceiling) or suspended mounted unless otherwise specified.
- Wet Location – Areas of high humidity, water vapor, rain, incidental water spray, or other non-corrosive or nonflammable liquid.
- Excellent for applications such as garages, stairwells, storage areas, horizontal shelf-mount refrigerated cases, and cold storage.
- Mounting brackets available, order separately.
- IP65 rating standard. IP67 configuration available.
- LED sources provide excellent low temperature performance. This product can replace a fluorescent model in cold environments with significant energy savings.
- 51LH model listed for use in -35°C to 40°C ambient. 50,000 hour L70 lumen maintenance.
- 35L/43L models listed for use in -20°C to 40°C ambient. 100,000 hour L70 lumen maintenance.
- 51L/70L models listed for use in -20°C to 25°C ambient. L70 lumen maintenance is 100,000 hours for 51L model, and 50,000 hours for 70L.
- NSF Certified for Non-Food Zone Installations.
- EMLED 1100lm nominal in DC mode
- WHP wide optic is an acrylic lens factory installed on the LED arrays, provides compliance to DLC requirements for parking garage luminaires
- Vaporlume LED luminaires are Designlights Consortium qualified. Please see the DLC QPL list for exact catalog numbers (<http://www.designlights.org/QPL>).

Construction/Finish

- Non-conductive, non-corrosive housing.
- Smooth exterior surface for easy cleaning.
- White one piece, molded fiberglass reinforced polyester body. No rusting, no oxidation, and no corrosion.
- Standard acrylic lens (A) is stippled sheet of .130" nominal thickness.
- Optional LED lens (L) designed specifically to further reduce pixilated glare from LED's. Linear rib profile.
- Optional polycarbonate lens (P) will not be yellowed by LED sources because they do not produce UV.

- Continuous compressible closed cell gasket provides tight seal between plastic enclosure and luminaire body.
- Stainless steel cam action latches.
- Lighting channel painted after fabrication with polyester powder coating.
- Two gasketed threaded (½" trade size) wet location hubs installed on ends.

Electrical

- High efficiency LEDs provide up to 100,000 hour rated life (L70, defined as 70% lumen maintenance @ rated maximum ambient).
- Dimming to 5% on 0-10V controls standard. Step dim (SDIM) option available, 100/40% levels.
- Driver and LED boards are accessible from below. LED boards are individually replaceable if required.
- Combinations are available providing as much as 117 delivered lumens per Watt.
- Nominal lumen packages range from 3,500 to 7,000 lumens, providing flexibility to optimize light levels for a specific application.
- LED sources provide full illumination in low temperature applications, unlike fluorescent sources that provide reduced light levels in very cold environments.
- LED sources can be frequently switched with no negative impact on life.
- Minimum 80 CRI provides smooth color rendering that rivals or exceeds performance of fluorescent lamps.
- Light output from the luminaire contains no infrared or ultraviolet energy, so the light won't heat or fade the objects being lit.
- Available motion sensor further increases energy savings in areas where occupancy is not continuous.

Labels

- cETLus listed to UL 1598. Suitable for use in wet locations.
- 5 Year Limited Warranty, www.signify.com/warranties
- Certain luminaire components may be adversely affected by contaminants. If sulfur, chlorine, or petroleum based solutions, or other contaminants will be in the area of operation, please consult factory as damage caused by these contaminants are not covered under our limited warranty.

SNH200 EasySense

- Philips field apps allow programming of occupancy & daylight sensing parameters and fine-tuning of light levels during installation. It can also be used for grouping of fixtures.
- Download "Philips field apps" from the Google Play Store.
- Register for the commissioning app at <http://registration.componentcloud.philips.com/appregistration/>.
- The app works on certain Android phones with NFC or IR. See Recommended Phones and the EasySense App User Manual in the download section at <http://www.usa.lighting.philips.com/products/lighting-components/easysense> and follow the "View Downloads" link to register for access to the download area. Navigate to Connected-Lighting-Components and then Philips-EasySense-Sensors to find downloads.

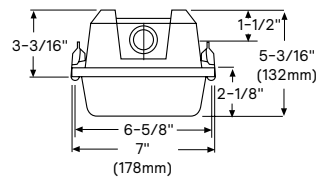
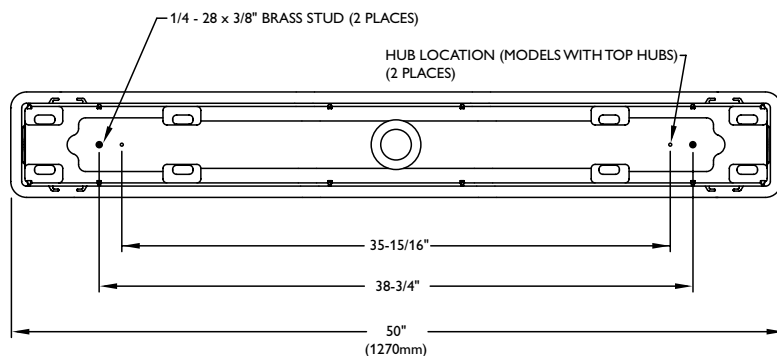
Interact Industry (IAI)

- A wireless IoT connected lighting solution for large warehouses, gymnasiums and industrial facilities that require multiple gateways.
- View all your projects under one dashboard and easily compare insights from multiple projects in one view.
- Combine Interact Office and Interact Industry sensors on a single project and for a common dashboard view.
- Compatible Zigbee Green Power wall dimmer.
- Maximize energy savings with integrated sensors and integration with BMS.
- Use Interact Industry software and insights to reduce maintenance cost by remotely configuring and managing the system, creating flexible lighting zones, insights on lamp burn hours etc. Optimize warehouse operations with real time occupancy analytics and minimize potential bottlenecks.
- Requires compatible Interact Gateway and internet connectivity for commissioning.
- For more information on Interact Industry Wireless, visit: www.interact-lighting.com/en-us/what-is-possible/interact-industry

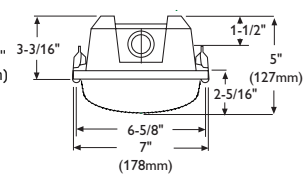
V2 Vaporlume LED sealed industrial

4', 3500 to 7000 lumens

Dimensions



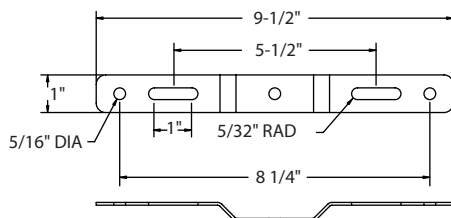
Shallow acrylic (A) and polycarbonate (P) lens



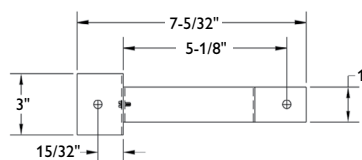
Enhanced LED acrylic lens (L)

Mounting Brackets

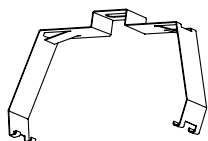
TBK - Top Mounting Bracket



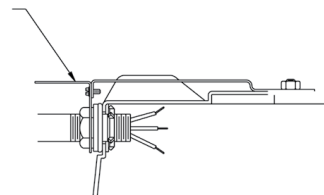
EBK - End Mounting Bracket



WBK - Wraparound Mounting Bracket



EBK - End Mounting Bracket



V2 Vaporlume LED sealed industrial

4', 3500 to 7000 lumens

4' Vaporlume LED V2, 3500 nominal lumens LER-117

Catalog No.	V2WAE35L840-4	Candlepower					Coefficients of Utilization									
		Angle	End	45	Cross	Back-45	EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)									
Test No.	32643	0	1250	1250	1250	1250	pcc	80			70			50		
S/MH	1.2	5	1244	1239	1243	1239	pw	70	50	30	70	50	30	50	30	
Source	LED	15	1204	1201	1199	1201	RCR									
Input Watts	32	25	1112	1114	1106	1114	0	117	117	117	114	114	114	110	110	
Delivered Lumens	3699	35	966	964	949	964	1	108	103	97	105	100	95	94	92	
Comparative yearly lighting energy cost per 1000 lumens – \$2.03 based on 3000 hrs. and \$.08 pwr KWH.		45	778	777	841	777	2	97	89	81	94	86	80	82	77	
		55	576	685	708	685	3	89	78	69	85	76	68	72	66	
		65	371	509	472	509	4	81	68	59	79	68	58	65	56	
		75	193	250	271	250	5	75	61	53	71	59	52	57	50	
		85	49	91	96	91	6	68	55	46	67	54	46	52	45	
		95	19	36	28	36	7	64	50	40	61	48	40	46	40	
		105	17	30	20	30	8	58	46	36	57	45	36	42	35	
		115	10	28	20	28	9	56	41	34	54	40	33	40	33	
		125	4	19	19	19	10	52	39	30	51	38	30	36	29	
		135	2	10	17	10	Light Distribution					Average Luminance				
Photometric values based upon tests performed in compliance with LM-79.		145	1	3	9	3	Degrees	Lumens	% Luminaire		Angle	End	45°	Cross		
		155	1	1	2	1	0-30	969	26.1		45	5069	4222	4360		
		165	1	1	1	1	0-40	1569	42.3		55	4543	4228	4105		
		175	1	1	1	1	0-60	2772	74.8		65	865	3770	3222		
							0-90	3602	97.1		75	3096	2402	2333		
							90-120	81	2.2		85	1821	1312	1164		
							90-130	95	2.6							
							90-150	105	2.8							
							90-180	106	2.9							
							0-180	3708	100.0							

4' Vaporlume LED V2, 4300 nominal lumens LER-116

Catalog No.	V2WAE43L840-4	Candlepower					Coefficients of Utilization									
		Angle	End	45	Cross	Back-45	EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)									
Test No.	32642	0	1496	1496	1496	1496	pcc	80			70			50		
S/MH	1.2	5	1491	1487	1485	1487	pw	70	50	30	70	50	30	50	30	
Source	LED	15	1443	1439	1441	1439	RCR									
Input Watts	38	25	1332	1338	1323	1338	0	117	117	117	114	114	114	109	109	
Delivered Lumens	4431	35	1158	1151	1132	1151	1	108	103	97	104	100	95	94	92	
Comparative yearly lighting energy cost per 1000 lumens – \$2.07 based on 3000 hrs. and \$.08 pwr KWH.		45	933	926	1000	926	2	97	89	81	94	86	80	82	77	
		55	688	819	854	819	3	89	78	69	85	76	68	72	66	
		65	444	611	566	611	4	81	68	59	79	67	58	65	56	
		75	231	300	324	300	5	75	61	53	71	59	52	57	50	
		85	58	110	118	110	6	68	55	46	67	54	46	52	45	
		95	23	43	35	43	7	64	50	40	61	48	40	46	40	
		105	20	36	25	36	8	58	46	36	57	45	36	42	35	
		115	12	34	24	34	9	56	41	34	54	40	33	40	33	
		125	5	24	24	24	10	52	39	30	51	38	30	36	29	
		135	3	12	21	12	Light Distribution					Average Luminance				
Photometric values based upon tests performed in compliance with LM-79.		145	2	4	11	4	Degrees	Lumens	% Luminaire		Angle	End	45°	Cross		
		155	1	1	3	1	0-30	1161	26.1		45	6078	5034	5182		
		165	1	1	1	1	0-40	1880	42.3		55	5434	5059	4955		
		175	1	1	1	1	0-60	3318	74.7		65	4626	4531	3867		
							0-90	4313	97.1		75	3704	2883	2786		
							90-120	99	2.2		85	2173	1578	1433		
							90-130	116	2.6							
							90-150	128	2.9							
							90-180	129	2.9							
							0-180	4442	100.0							

V2 Vaporlume LED sealed industrial

4', 3500 to 7000 lumens

4' Vaporlume LED V2, 5100 nominal lumens LER-111

Catalog No. V2WAE51L840-4 Test No. 32640 S/MH 1.2 Source LED Input Watts 46 Delivered Lumens 5129	Candlepower					Coefficients of Utilization							
	Angle	End	45	Cross	Back-45	EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)							
						pcc	80			70			50
	pw	70	50	30	70	50	30	50	30				
	RCR												
	0	117	117	117	114	114	114	110	110				
	1	108	103	97	104	100	95	94	92				
	2	97	89	81	94	86	80	82	77				
	3	89	78	69	85	76	68	72	66				
	4	81	68	59	79	68	58	65	56				
5	75	61	53	71	59	52	57	50					
6	68	55	46	67	54	46	52	45					
7	64	50	40	61	48	40	46	40					
8	58	46	36	57	45	36	42	35					
9	56	41	34	54	40	33	40	33					
10	52	39	30	51	38	30	36	29					
Comparative yearly lighting energy cost per 1000 lumens – \$2.16 based on 3000 hrs. and \$.08 pwr KWH.						Light Distribution				Average Luminance			
	Degrees	Lumens	% Luminaire		Angle	End	45°	Cross					
	0-30	1344	26.1		45	7103	5648	5790					
	0-40	2176	42.3		55	6447	5616	5126					
	0-60	3842	74.7		65	5552	4964	3915					
	0-90	4992	97.1		75	4486	2974	2465					
	90-120	114	2.2		85	2784	1530	1043					
	90-130	133	2.6										
	90-150	148	2.9										
	90-180	149	2.9										
0-180	5141	100.0											
Photometric values based upon tests performed in compliance with LM-79.	115	14	39	29	39								
	125	6	28	28	28								
	135	4	16	24	16								
	145	3	5	12	5								
	155	2	2	3	2								
	165	2	2	2	2								
	175	2	2	2	2								

4' Vaporlume LED V2, 7000 nominal lumens LER-107

Catalog No.	V2WAE70L840-4	Candlepower					Coefficients of Utilization															
Test No.	32614	Angle	End	45	Cross	Back-45	EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)															
S/MH	1.2		0	2357	2357	2357	2357	pcc	80				70				50					
Source	LED		5	2351	2342	2345	2342	pw		70	50	30		70	50	30		50	30			
Input Watts	65		15	2274	2271	2270	2271	RCR														
Delivered Lumens	6985		25	2101	2105	2089	2105	0		117	117	117		114	114	114		109	109			
		35	1818	1814	1784	1814	1		108	103	97		105	100	95		94	92				
		45	1467	1462	1586	1462	2		97	89	81		94	86	80		82	77				
		55	1085	1302	1345	1302	3		89	78	69		85	76	68		72	66				
		65	701	959	891	959	4		81	68	59		79	67	58		65	56				
		75	365	469	503	469	5		75	61	52		71	59	52		57	50				
		85	92	170	176	170	6		68	55	46		67	54	46		52	45				
		95	36	67	53	67	7		64	50	40		61	48	40		46	40				
		105	33	57	39	57	8		58	46	36		57	45	36		42	35				
		115	19	53	39	53	9		56	41	34		54	40	33		40	33				
		125	8	38	38	38	10		52	39	30		51	38	30		36	29				
		135	4	20	33	20	Light Distribution												Average Luminance			
		145	3	6	18	6	Degrees	Lumens	% Luminaire	Angle	End	45°	Cross									
		155	2	2	4	2	0-30	1830	26.1	45	9554	7946	8219									
		165	2	2	2	2	0-40	2961	42.3	55	8566	8043	7802									
		175	2	2	2	2	0-60	5230	74.7	65	7304	7108	6080									
							0-90	6798	97.1	75	5848	4516	4329									
							90-120	156	2.2	85	3444	2433	2142									
							90-130	183	2.6													
							90-150	203	2.9													
							90-180	205	2.9													
							0-180	7003	100.0													

V2 Vaporlume LED sealed industrial

4', 3500 to 7000 lumens

Energy Data

Model	Initial Delivered Lumens @ 25°C Ambient	Input Power	Lumens per Watt	Application notes
V2WAE35L840-4-UNV	3,699	32W	117 LPW	- Slightly less than 2 lamp F32T8 at room temperature, 35% energy savings. - Equivalent to 2 lamp F32T8 in refrigerator (40°F), 35% energy savings.
V2WAE43L840-4-UNV	4,431	38W	116 LPW	- Equivalent to 2 lamp F32T8 at room temperature, 15% energy savings. - Double the output of 2 lamp F32T8 in freezer (25°F) at the SAME energy use.
V2WAE51L840-4-UNV	5,129	46W	111 LPW	Equivalent to high ballast factor 2 lamp F32T8 at room temperature, 15% energy savings.
V2WAE70L840-4-UNV	6,985	65W	107 LPW	Equivalent to 3 lamp F32T8 at room temperature, 30% energy savings.

