

Day-Brite



by Signify

Industrial

Vaporlume LED V3W

2' and 4' sealed industrial
Up to 10,000 lumens



Control options available

Day-Brite / CFI Vaporlume LED sealed industrial V3W 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.

Project: _____
 Location: _____
 Cat.No: _____
 Type: _____
 Lumens: _____ Qty: _____
 Notes: _____

Ordering guide

Example: V3W435L830-UNV-DIM

Family	Length	Lumens (Nominal)	Color Temp.	Voltage	Driver	Options
V3W			–	–	–	
V3W Vaporlume	2' 2'	27L 2700 lumens	830 80 CRI, 3000K	UNV Universal Voltage, 120-277V	DIM 0-10V dimming SDIM ⁴ Step dimming to 40% input power	MD360W Wet location occupancy sensor, (ON/OFF) MD360WD Wet location occupancy sensor, (ON/DIM) WHP Wide beam optic and prismatic acrylic lens (for garage applications) BSL10LST Factory wired Bodine integral emergency pack, nominal 1100 to 1400 lumens (4' unit only) IP67 Protection against effects of immersion GLR Fusing, fast blow (for UNV only) WSF Fusing (for 347V only) TR Torx T-10 tamper resistant stainless steel screws and latches SSL Stainless steel latches THB ⁵ Top hub entry only (4' unit only) TEHB ⁵ Top and end hub entry (4' unit only) NFZ NSF listed for Non-Food Zone and Splash Zone applications SNH200 ⁶ Integral EasySense occupancy & daylight sensor, with advanced SpaceWise type wireless grouping IAI ⁶ Integral Interact Industry daylighting and occupancy sensor, enables wireless connected lighting control LFA ³ Smooth frosted acrylic lens LPA Prismatic acrylic lens
		35L 3500 lumens				
	4 4'	43L 4300 lumens	850 80 CRI, 5000K			
		51L 5100 lumens				
		70L 7000 lumens				
		80L 8000 lumens				
		100L ^{1,2,3} 10000 lumens				

Footnotes

- 1 Not available with BSL10LST option
- 2 Not available in 3000K
- 3 Not available with WHP option
- 4 Not available in 2' 5100 lumen, 4' 8000 lumen, or 4' 10000 lumen
- 5 Not available with 8000 lumen and BSL10LST together
- 6 High bay motion detector. Motion sensing zone is extremely limited if used below 15' mounting height.

Accessories (order separately, see last page for details)

- TBK – Stainless steel top bracket kit (pair of brackets plus hardware)
- V3WEBK – Stainless steel end bracket kit (pair of brackets plus hardware)
- V3WWBK – Stainless steel wraparound bracket kit (pair of brackets)
- V3WVBK – Stainless steel mounting bracket with "V" hooks (pair of brackets plus hardware)
- V3WSBK – Stainless steel mounting bracket with surface bracket (pair of brackets plus hardware)
- FKR-126 – Chain hanger set (requires TBK)
- V3WCA2L – 2' clear acrylic replacement lens
- V3WFA2L – 2' frosted acrylic replacement lens
- V3WPA2L – 2' prismatic acrylic replacement lens
- V3WCA4L – 4' clear acrylic replacement lens
- V3WFA4L – 4' frosted acrylic replacement lens
- V3WPA4L – 4' prismatic acrylic replacement lens

General Notes

- All options factory installed.
- All accessories are field installed.
- Many luminaire components, such as reflectors, refractors, lenses, sockets, lampholders, and LEDs are made from various types of plastics which can be adversely affected by airborne contaminants. If sulfur based chemicals, petroleum based products, cleaning solutions, or other contaminants are expected in the intended area of use, consult factory for compatibility.



interact ready.

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Features

- 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 mounted on ceilings or walls, or suspended via brackets, chain, or cables.
- Mounting brackets available, order separately.
- Up to 100,000 hour predicted L70 LED lumen maintenance provides long service life to reduce maintenance costs.
- Ideal for cold applications (-20°C).
- IP65 rating standard. IP67 rating optional.
- NEMA 4X rated with LPA prismatic acrylic lens.
- NSF Certified option for Non-Food Zone/ Splash Zone installations.
- Battery backup 1100 to 1400 lumens nominal in EM mode.
- WHP wide optic is an acrylic optic factory installed on the LED arrays, along with a prismatic acrylic lens which provide compliance to DLC requirements for parking garage luminaires.
- Luminaire lens tested to IK08 impact standards.
- Vaporlume LED luminaires are Designlights Consortium qualified. Please see the DLC QPL list for exact catalog numbers (www.designlights.org/QPL)
- 5 Year Limited Warranty, www.signify.com/warranties

Construction/Finish

- Smooth exterior surface for easy cleaning.
- White one piece, molded fiberglass reinforced polyester body. No rusting, no oxidation, and no corrosion.
- Standard lens is clear acrylic.
- Optional frosted (LFA) lens designed specifically to further reduce pixilated glare from LEDs.
- Continuous compressible gasket provides tight seal between plastic enclosure and luminaire body.
- Plastic cam action latches are standard. Stainless steel latches are optional.
- Optional tamper resistant latches available.
- Two gasketed threaded (1/2" trade size) wet location hubs installed on ends.
- Optional hubs may be ordered for top entry.

Electrical

- Dimming to 1% on 0-10V controls standard (5% dimming for 10000 lumen version). Step dim (SDIM) option available, 100/40% levels.
- Driver and LED boards are accessible from below. LED boards are individually replaceable if required.
- Available motion sensor further increases energy savings in areas where occupancy is not continuous.

Labels

- cETLus listed to UL 1598 standards. Suitable for use in wet locations.

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

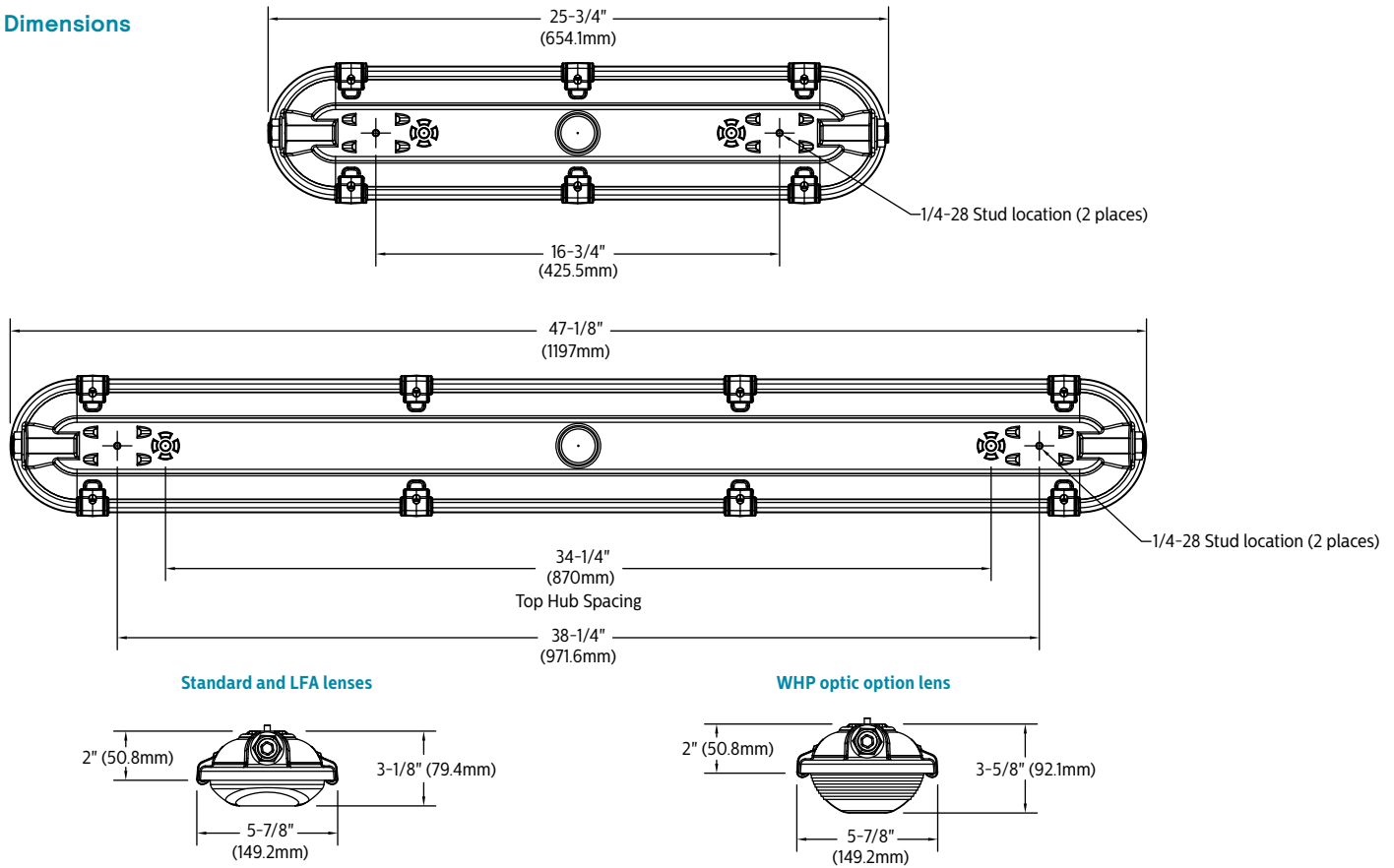
Ambient Temperature Data

Configuration	Ambient
V3W251L	-20°C to 25°C
V3W470L	-20°C to 30°C
V3W480L UNV	-20°C to 30°C
V3W480L 347V	-20°C to 25°C
V3W4100L UNV	-20°C to 30°C
V3W4100L 347V	-20°C to 25°C
BSL10LST option	Minimum 0°C
All others	-20°C to 40°C

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Dimensions



Photometry

Vaporlume LED sealed industrial, frosted lens (LFA)

LER - 126

Catalog No.	V3W451L840-UNV-DIM-LFA	Candlepower					Light Distribution			Average Luminance					
		Angle	End	45	Cross	Back-45	Degrees	Lumens	% Luminaire	Angle	End	45°	Cross		
Test No.	38432	0	1418	1418	1418	1418	0-30	1101	25.3	45	7934	7239	7137		
S/MH	1.3	5	1388	1415	1421	1415	0-40	1804	41.4	55	7534	6658	6632		
Lamp Type	LED	15	1335	1365	1376	1365	0-60	3219	73.9	65	6482	5778	5840		
Lumens/Lamp	4355	25	1234	1266	1281	1266	0-90	4226	97.0	75	5351	4643	4817		
Input Watts	35	35	1090	1128	1148	1128	0-180	4355	100.0	85	3098	3349	3831		
Comparative yearly lighting energy cost per 1000 lumens - \$1.90 based on 3000 hrs. and \$.08 pwr KWH.		45	914	958	983	958	Coefficients of Utilization								
The photometric results were obtained in the Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.		55	711	761	800	761	EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)								
Photometric values based on test performed in compliance with LM-79.		65	459	536	583	536	pcc	80			70			50	
		75	241	318	366	318	pw	70	50	30	70	50	30	50	30
		85	56	141	191	141	RCR								
		95	9	70	118	70	0	118	118	118	115	115	115	109	109
		105	3	35	75	35	1	107	102	98	104	100	95	95	91
		115	1	10	37	10	2	97	89	81	94	86	80	82	77
		125	0	0	9	0	3	88	78	69	86	76	68	72	66
		135	0	0	0	0	4	81	69	60	78	67	59	64	57
		145	0	0	0	0	5	74	61	52	72	60	51	57	50
		155	0	0	0	0	6	69	55	46	66	54	45	52	44
		165	0	0	0	0	7	64	50	41	62	49	40	47	39
		175	0	0	0	0	8	59	45	37	57	45	36	43	36
							9	55	42	33	54	41	33	40	32
							10	52	38	30	50	38	30	37	30