Day-Brite CFI by signify

Industrial

Vaporlume V2

4' sealed industrial, T5, T5HO, T8, or T12

Project:

Location:

Cat.No:

Type:

Lamps: Qty:

Notes:

Day-Brite / CFI Vaporlume sealed industrial V2 is a wet location listed luminaire with a fiberglass reinforced polyester housing, high impact DR acrylic lens and stainless steel cam action latches.

Ordering guide

Example: V2WAE232-UNV-1/2-EBLHE

Family	Application	Lens	Hubs Installed	No. of Lamps Per Cross Section	Lamp Type	Voltage	Options
	W				–	–	
V2 Vaporlume **V2H** Vaporlume High Ambient (130°F) (1 or 2 lp 28W or 32W only)	**W** Wet Location	**A** **DR Acrylic** **P** **Polycarbonate**	**E** Ends only **T** Top only **B** Both ends and top	(not included) **1** **2** **3** (28WT5/32WT8 only)	**28** 28WT5 (46") **32** 32WT8 (48") **48** 38WT12 Slimline (48") **44HO** 44WT8 380mA (48") **48HO** 60WT12 800mA (48") **54HO** 54WT5HO (46")	**UNV** Universal voltage 120/277V **120** 120V **277** 277V **347** 347V	**1/1** One 1-lamp ballast **1/2** One 2-lamp ballast **1/3** One 3-lamp ballast **1/21** 2-lamp & 1-lamp ballasts **EB** Electronic ballast, <10% THD **EB10R** T8 electronic ballast, program rapid start, <10% THD **EBHE** T8 electronic ballast, high efficiency, std. ballast factor **EBLHE** T8 electronic ballast, high efficiency, low ballast factor **EBHHE** T8 electronic ballast, high efficiency, high ballast factor **EBSD** T8 electronic step dimming ballast, .88 ballast factor **EBD7** Advance Mark 7 dimming ballast, 0-10V (low voltage) control **EBDX** Advance Mark 10 dimming ballast, phase control **EBD** Electronic dimming ballast, customer specified **LT20** -20°F start option (T8, use in conjunction with ballast option) **E1** B100 emerg. ballast, T8, 350-450 lumens, 120/277V **E7** B60 emerg. ballast, T8/T12, 600-700 lumens, 120/277V **E5** B50 emerg. ballast, U.S. or Canada market, T8/T12, 1100-1400 lumens, UNV **E5ST** B50ST emerg. ballast w/self test, U.S. or Canada market, T8/T12, 1100-1400 lumens, UNV **E7LP** LP550 emerg. ballast T5/T5HO, 430-700 lumens, 120/277V **E6LP** LP600 emerg. ballast U.S. or Canada market, T5/T5HO, 750-1325 lumens, 120/277V **GLR** Fusing, fast blow **MD360W** Wet location occupancy sensor, external **TR** Torx T-15 tamper resistant stainless steel latches (TPDTH tamper proof driver required) See section 1600-OA for options info. and sheet 1455-IF for mounting hardware.

Accessories (order separately)

- **TBK** Stainless Steel Top Bracket Kit (pair of brackets plus mounting hardware)
- **EBK** Stainless Steel End Bracket Kit (pair of brackets plus mounting hardware)
- **WBK** Stainless Steel Wraparound Kit (pair of brackets plus mounting hardware)
- **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 sealed industrial

4', T5, T5HO, T8, or T12

Application

- Acceptable for outdoor as well as indoor installations.
- Wet Location-Areas of high humidity, water vapor, rain, incidental water spray, or other non-corrosive or non-flammable liquid.
- IP65 rating standard. IP67 configuration available.
- **Mounting brackets available, order separately.**
- High ambient models (1/2 lamp 28wT5/32wT8 only) rated for use in 130˚F ambient. Standard models carry the standard UL indoor rating of 25˚C (77˚F) ambient.

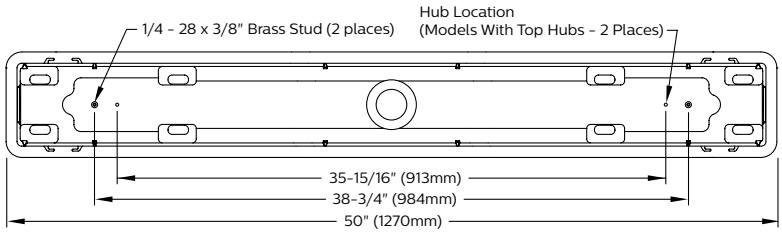
Construction/Finish

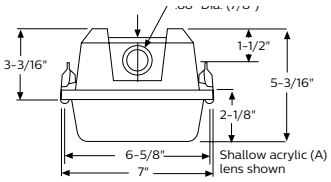
- Non-conductive, non-corrosive housing.
- Smooth exterior surface for easy cleaning.
- White molded fiberflass reinforced polyester body.
- High impact DR acrylic molded lens.
- Continuous closed cell, foam in-place gasket.
- Stainless steel cam action latches.
- Lighting channel painted after fabrication with polyester powder coating.
- Two gasketed threaded (1/2" trade size) wet location hubs installed on ends as standard, also available on top of housing.

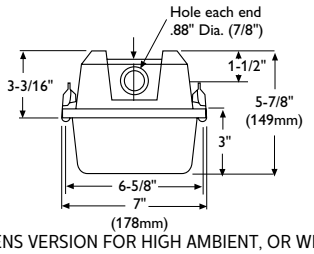
Electrical

- Electronic ballasts standard on high output (44HO and 48HO) models, please include EB ballast designator in catalog number. Magnetic HO ballasts are more expensive than electronic and are suitable for cold ambient applications only.
- cULus listed for wet locations. Also suitable for damp locations.
- Self-contained fluorescent emergency ballasts available.
- Day-Brite's standard luminaires for high output T8 (380mA) or T12 (800mA) include ballasts rated for -20˚F starting temperature where available.

Dimensions



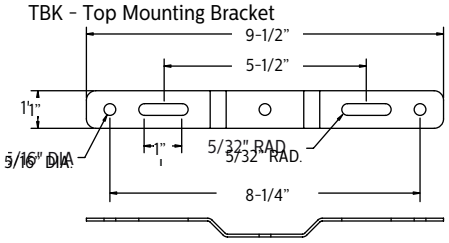




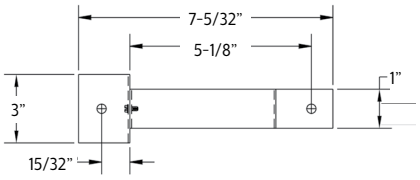
DEEP LENS VERSION FOR HIGH AMBIENT, OR WHEN 800mA LAMPS ARE OPERATED ON MAGNETIC BALLASTS.

Mounting Brackets

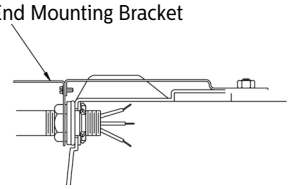
TBK - Top Mounting Bracket



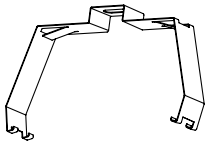
EBK - End Mounting Bracket



EBK - End Mounting Bracket



WBK - Wraparound Mounting Bracket



V2 Vaporlume sealed industrial

4', T5, T5HO, T8, or T12

Photometry

V2 4' 2 Lamp F32T8 **Efficiency – 85.1%** **LER – F-79** **TER – 45**

Catalog No.	V2WAE232-120-1/2-EB
Test No.	20017
S/MH	1.5
Lamp Type	F32T8
Lumens/Lamp	2850
Ballast Factor	0.88
Input Watts	54

Comparative yearly lighting energy cost per 1000 lumens – **$3.04** based on 3000 hrs. and $.08 pwr KWH.

The photometric results were obtained in the Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.

Candlepower

Angle	End	45	Cross
0	1109	1109	1109
5	1102	1105	1104
15	1066	1096	1116
25	988	1063	1117
35	871	1007	1110
45	717	921	1065
55	528	796	973
65	336	661	867
75	174	552	739
85	53	369	511
95	19	199	323
105	15	112	190
115	7	56	83
125	3	28	39
135	2	13	23
145	4	7	13
155	4	4	6
165	5	5	7
175	6	7	8

Light Distribution

Degrees	Lumens	% Lamp	% Luminaire
0-30	905	15.9	18.7
0-40	1532	26.9	31.6
0-60	2923	51.3	60.3
0-90	4438	77.9	91.5
0-180	4850	85.1	100.0

Average Luminance

Angle	End	45°	Cross
45	5162	5457	5986
55	4608	5337	6090
65	3872	5287	6339
75	3090	5685	6743
85	2194	5573	6459

Coefficients of Utilization

EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)

pcc	80			70			50	
pw	70	50	30	70	50	30	50	30
RCR								
0	100	100	100	95	95	95	91	91
1	88	82	78	84	80	76	75	71
2	79	70	64	76	68	61	64	58
3	70	60	53	68	58	52	56	48
4	65	54	45	61	52	44	48	41
5	58	47	39	56	46	38	42	36
6	55	42	34	53	40	34	39	32
7	51	38	29	48	36	29	34	28
8	46	34	27	45	34	27	32	26
9	44	32	25	41	30	23	28	23
10	40	28	22	40	28	22	27	20

Hg

Some luminaires use fluorescent or high intensity discharge (HID) lamps that contain small amounts of mercury. Such lamps are labeled, "Contain Mercury" and/or the symbol "HG". Lamps that contain mercury must be disposed of in accordance with local requirements. Information regarding lamp recycling and disposal can be found at www.lamprecycle.org

Signify North America Corporation
200 Franklin Square Drive,
Somerset, NJ 08873
Telephone 855-486-2216

Signify Canada Ltd.
281 Hillmount Road,
Markham, ON, Canada L6C 2S3
Telephone 800-668-9008