

Day-Brite

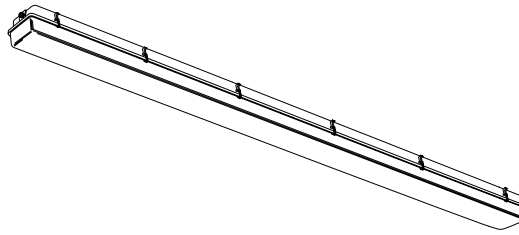
CFI

by Signify

Industrial

Vaporlume V2

8' 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: TV2WAE232-UNV-1/2-EBLHE

Family	Application	Lens	Hubs Installed	No. of Lamps Per Cross Section	Lamp Type	Voltage	Options
	W				—	—	
V2 TV2 TV2H	Vaporlume Tandem Vaporlume Tandem High Ambient (130° F) (1 or 2 lp F28T5 or F32T8 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") TD only 32 32WT8 (48") TD only 54HO 54WT5HO (46") TD only 59 59WT8 (96") 96 75WT12 Slimline (96") 86HO 86WT8 380mA (96") 96HO 110WT12 800mA (96")	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 1/4 One 4-lamp ballast 2/2 Two 2-lamp ballasts 1/42 4-lamp & 2-lamp ballasts EB Electronic ballast, <10% THD, std. ballast factor 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 (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 ES5T 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)

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)

See section 1600-OA for options info. and sheet 1455-IF for mounting hardware.



V2 Vaporlume sealed industrial

8', 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.

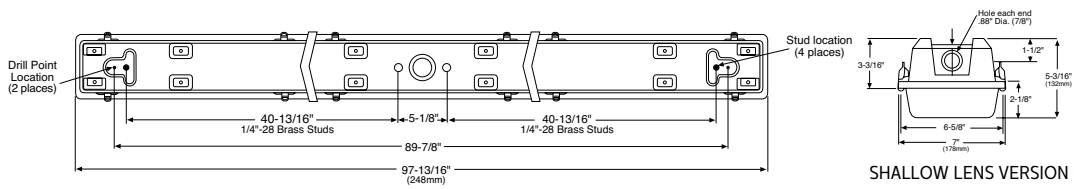
Construction/Finish

- Non-conductive, non-corrosive housing.
- Smooth exterior surface for easy cleaning.
- White molded fiberglass 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.

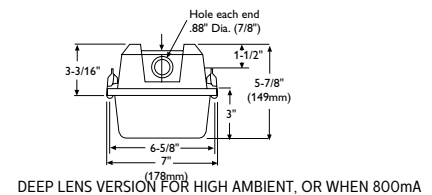
Electrical

- Electronic ballasts are standard on high output (86HO, 96HO) 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.
- Standard luminaires for high output T8 (380mA) and T12 (800mA) include ballasts rated for -20°F starting temperature where available.

Dimensions

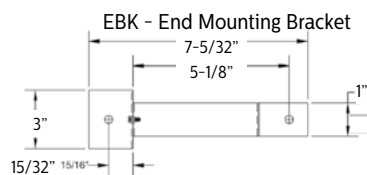
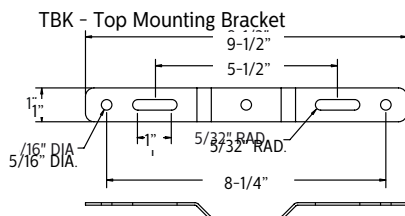


SHALLOW LENS VERSION (STANDARD)

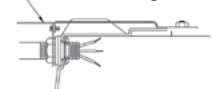


DEEP LENS VERSION FOR HIGH AMBIENT, OR WHEN 800mA LAMPS ARE OPERATED ON MAGNETIC BALLASTS.

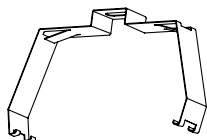
Mounting Brackets



EBK - End Mounting Bracket



WBK - Wraparound Mounting Bracket



V2 Vaporlume sealed industrial

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Photometry

V2 8' 2 Lamp F96T8

Efficiency – 76.6%

LER – F-74

TER – 43

		Candlepower				Light Distribution				Average Luminance			
		Angle	End	45	Cross	Degrees	Lumens	% Lamp	% Luminaire	Angle	End	45'	Cross
Catalog No.	V2WAE259-120-1/2-EB	0	2033	2033	2033	0-30	1684	14.5	19.0	45	5585	5601	5807
Test No.	LSC7929	5	2054	2045	2017	0-40	2854	24.6	32.1	55	4986	5390	5612
S/MH	1.5	15	1977	2055	2075	0-60	5402	46.6	60.8	65	4182	5133	5785
Lamp Type	F96T8	25	1839	1992	2077	0-90	8066	69.5	90.8	75	3574	5361	6028
Lumens/Lamp	5800	35	1629	1895	2033	90-180	815	7.0	9.2	85	3122	5067	5506
Ballast Factor	0.85	45	1362	1715	1911	0-180	8881	76.6	100.0				
Input Watts	102	55	995	1465	1674								
		65	624	1176	1495								
		75	337	962	1270								
		85	114	630	862								
		95	54	406	620								
		105	30	231	402								
		115	24	114	171								
		125	19	52	40								
		135	18	32	22								
		145	7	18	3								
		155	11	25	0								
		165	26	8	2								
		175	25	20	4								

Comparative yearly lighting energy cost per 1000 lumens – **\$3.24** 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.

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	89	89	89	86	86	86	81	81	81
1	79	75	70	76	71	68	68	65	65
2	70	64	57	68	61	56	57	53	53
3	64	55	47	61	54	46	50	45	45
4	58	48	40	56	46	40	44	38	38
5	54	42	35	52	41	34	39	33	33
6	48	39	30	46	36	30	34	28	28
7	46	34	28	44	34	27	32	26	26
8	41	32	25	40	30	23	28	23	23
9	40	28	22	38	28	22	27	20	20
10	36	27	20	35	26	20	25	19	19

V2 8' 2 Lamp F86T8HO

Efficiency – 72.6%

LER – F-70

TER – 40

		Candlepower				Light Distribution				Average Luminance			
		Angle	End	45	Cross	Degrees	Lumens	% Lamp	% Luminaire	Angle	End	45'	Cross
Catalog No.	V2WAE286HO-120-1/2-EB	0	2671	2671	2671	0-30	2208	13.8	19.0	45	7143	7282	7317
Test No.	LSC7930	5	2683	2681	2660	0-40	3732	23.3	32.1	55	6394	6903	7117
S/MH	1.5	15	2606	2682	2705	0-60	7009	43.8	60.3	65	5342	6709	7380
Lamp Type	F86T8HO	25	2420	2633	2724	0-90	10465	65.4	90.1	75	4391	6944	7627
Lumens/Lamp	8000	35	2130	2484	2627	90-180	1153	7.2	9.9	85	3614	6724	7109
Ballast Factor	0.88	45	1742	2230	2408	0-180	11618	72.6	100.0				
Input Watts	145	55	1276	1876	2123								
		65	797	1537	1907								
		75	414	1246	1607								
		85	132	836	1113								
		95	73	562	806								
		105	60	338	542								
		115	44	154	275								
		125	28	84	78								
		135	36	20	36								
		145	28	29	7								
		155	33	9	1								
		165	38	31	3								
		175	30	15	8								

Comparative yearly lighting energy cost per 1000 lumens – **\$3.43** 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.

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	84	84	84	81	81	81	77	77	77
1	75	70	67	71	68	65	64	60	60
2	68	60	55	65	58	53	55	50	50
3	60	53	46	58	51	45	46	41	41
4	56	46	39	53	45	38	41	35	35
5	51	40	34	48	40	33	36	32	32
6	46	36	29	45	35	28	33	28	28
7	42	33	26	41	32	26	29	25	25
8	40	29	23	39	28	23	28	22	22
9	38	27	20	35	27	20	25	20	20
10	34	25	19	34	25	19	23	17	17



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

