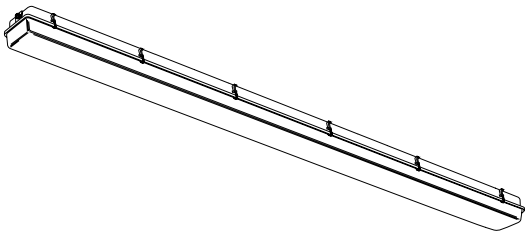
Day-Brite CFI by signify

Industrial

Vaporlume DW

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



Project:

Location:

Cat.No:

Type:

Lamps: Qty:

Notes:

The Day-Brite / CFI Vaporlume sealed industrial DW is a wet location listed luminiare with a non-metal exterior, housing and lens assembly.

Ordering guide

Example: TDWAE232-UNV-1/2-EBLHE

Family	Application	Lens	Hubs Installed	No. of Lamps Per Cross Section	Lamp Type	Voltage	Options
	W	A	E		–	–	
D Sealed industrial **TD** Tandem Unit	**W** Wet Location	**A** DR Acrylic	**E** Ends only	(not included) **1** **2**	**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 **1/4** One 4-lamp ballast **2/2** Two 2-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 (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 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)

DW Vaporlume sealed industrial

8', T5, T5HO, T8, or T12

Application

- 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 non-flammable liquid.
- Mounting brackets available, order separately.
- IP65 rating standard, IP67 configuration available.

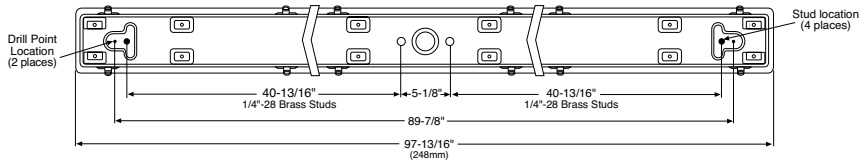
Construction/Finish

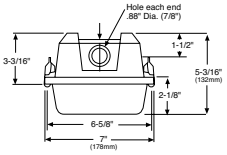
- Non-conductive, non-corrosive housing.
- Smooth exterior surface for easy cleaning.
- White, molded fiberflass reinforced polyester body.
- High impact DR acrylic molded lens.
- Continuous closed cell, foam in-place gasket.
- ABS cam action latches.
- Lighting channel has high reflectance baked white enamel finish.
- Two gasketed threaded (1/2" trade size) wet location hubs installed.

Electrical

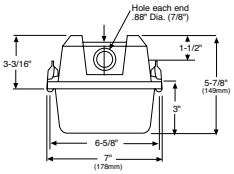
- Electronic ballasts are standard on high output (86HO and 96HO) models, please include EB ballast designator in catalog number. Magnetic HO ballasts are more expensive than electronic and are suitable for cold ambient applications only.
- Standard luminaires for high output T8 (380mA) and T12 (800mA) include ballasts rated for -20° F starting temperature where available.
- cULus listed for wet locations. Also suitable for damp locations.
- Self-contained fluorescent emergency ballasts available.

Dimensions





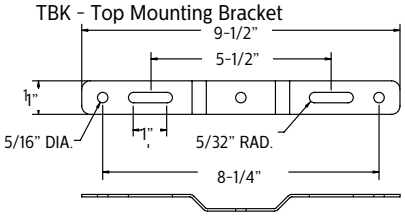
SHALLOW LENS VERSION (STANDARD)



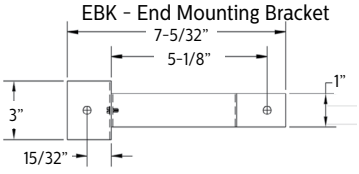
DEEP LENS VERSION FOR HIGH AMBIENT, OR WHEN 800mA LAMPS ARE OPERATED ON MAGNETIC BALLASTS.

Mounting Brackets

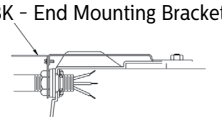
TBK - Top Mounting Bracket



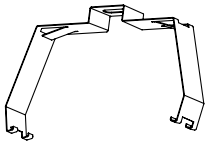
EBK - End Mounting Bracket



EBK - End Mounting Bracket



WBK - Wraparound Mounting Bracket



DW Vaporlume sealed industrial

8′, T5, T5HO, T8, or T12

Photometry

DW 8′ 2 Lamp F96T8

Efficiency – 76.6% **LER – F-74** **TER – 43**

Catalog No.	DWAE259-120-1/2-EB
Test No.	LSC7929
S/MH	1.5
Lamp Type	F96T8
Lumens/Lamp	5800
Ballast Factor	0.85
Input Watts	102

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.

Candlepower

Angle	End	45	Cross
0	2033	2033	2033
5	2054	2045	2017
15	1977	2055	2075
25	1839	1992	2077
35	1629	1895	2033
45	1362	1715	1911
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

Light Distribution

Degrees	Lumens	% Lamp	% Luminaire
0-30	1684	14.5	19.0
0-40	2854	24.6	32.1
0-60	5402	46.6	60.8
0-90	8066	69.5	90.8
90-180	815	7.0	9.2
0-180	8881	76.6	100.0

Average Luminance

Angle	End	45°	Cross
45	5585	5601	5807
55	4986	5390	5612
65	4182	5133	5785
75	3574	5361	6028
85	3122	5067	5506

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

DW 8′ 2 Lamp F86T8HO

Efficiency – 72.6% **LER – F-70** **TER – 40**

Catalog No.	DWAE286HO-120-1/2-EB
Test No.	LSC7930
S/MH	1.5
Lamp Type	F86T8HO
Lumens/Lamp	8000
Ballast Factor	0.88
Input Watts	145

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.

Candlepower

Angle	End	45	Cross
0	2671	2671	2671
5	2683	2681	2660
15	2606	2682	2705
25	2420	2633	2724
35	2130	2484	2627
45	1742	2230	2408
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

Light Distribution

Degrees	Lumens	% Lamp	% Luminaire
0-30	2208	13.8	19.0
0-40	3732	23.3	32.1
0-60	7009	43.8	60.3
0-90	10465	65.4	90.1
90-180	1153	7.2	9.9
0-180	11618	72.6	100.0

Average Luminance

Angle	End	45°	Cross
45	7143	7282	7317
55	6394	6903	7117
65	5342	6709	7380
75	4391	6944	7627
85	3614	6724	7109

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

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

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