

Day-Brite

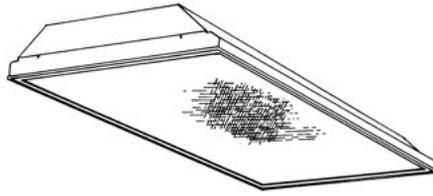
CFI

by  Signify

Special Application

Designer wet location
troffer 2x4

T5, T8, or T5HO



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

The Day-Brite / CFI Designer wet location troffer is a recessed luminaire cULus Listed for damp and wet locations (for covered ceiling use only).

Ordering guide

Example: 2DPWLG232-FS01-UNV-1/2-EBLHE-LPT835HL-PAF

Width	Family	Ceiling Type	No. of Lamps (not included)	Lamp Type	Door Frame	Lens	Voltage	Options
2	DPWL			—		—	—	
2' 2"	DPWL Designer wet location	G Grid F Flange Z Z Spline/Modular	2 3 4	28 28WT5 (46") 32 32WT8 (46") 54HO 54WT5HO (46")	FA Flat Aluminum FS Flat Steel	01 Pattern 12 prismatic acrylic 12 K-12, .125" nominal 19 K-19, .156" nominal 21 Pattern 12, .125" nominal	120 277 347 UNV Universal Voltage 120-277V	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 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 E1 B100 emerg. ballast, T8, 350-450 lumens, 120/277V E7 B60 emerg. ballast, T8, 600-700 lumens, 120/277V E5 B50 emerg. ballast, U.S. or Canada market, T8, 1100-1400 lumens, UNV ESST B50ST emerg. ballast w/self test, T8, 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 F1 3/8" flex 3 wire, 18 gauge 6' F2 3/8" flex 4 wire, 18 gauge 6' F2/5W 3/8" flex, 5 wire 18 gauge 6' GLR Fusing, fast blow LPT830 Installed T8/T5/T5HO lamps, 80+ CRI, 3000K LPT835 Installed T8/T5/T5HO lamps, 80+ CRI, 3500K LPT841 Installed T8/T5/T5HO lamps, 80+ CRI, 4100K LPT830HL Installed T8/T5 hi lumen lamps, 80+ CRI, 3000K LPT835HL Installed T8/T5 hi lumen lamps, 80+ CRI, 3500K LPT841HL Installed T8/T5 hi lumen lamps, 80+ CRI, 4100K 1W 1-way gasketing, between lens & door frame 2W 2-way gasketing, 1W + gasketing between door frame & housing 3W 3-way gasketing, 2W + gasketing for field installation between housing & ceiling PAF Housing painted after fabrication CHIC Chicago plenum rated

Accessories (order separately)

- FKDP24 – Flange conversion kit 2x4
- FMA24 – 2'x4' "F" mounting frame for NEMA "F" mounting



2DPWL Designer wet location troffer 2x4

T5, T8, or T5HO

Application

- Premium quality recessed static troffer for use in:
 - Grid inverted T (NEMA “G”) ceilings.
 - Flange-type ceilings with concealed mechanical suspension (NEMA “F”)
 - Modular and “Z” spline (NEMA “M/Z”) ceilings.

- T Bar grid clips built into fixture end plates, no extra parts required. Designed for use with standard grid ceiling members, 1-1/2” maximum height.
- One-piece housing feature integral end plates that increase rigidity and minimize damage from handling or shipping.
- Not suitable for hose-down applications.

Construction/Finish

- Die formed ribbed and embossed steel housing.
- Housing is multi-stage phosphate treated for maximum corrosion resistance and finish coat is high reflectance baked white enamel.
- Housing painted after stamping (PAF) option is highly recommended for areas of high humidity.
- Factory installed access plate includes 7/8” hole, 7/8” knockout and grounding screw.

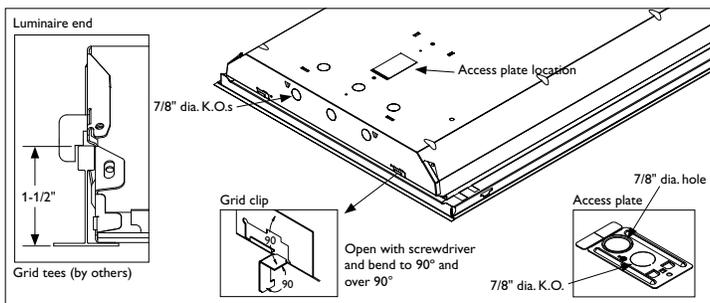
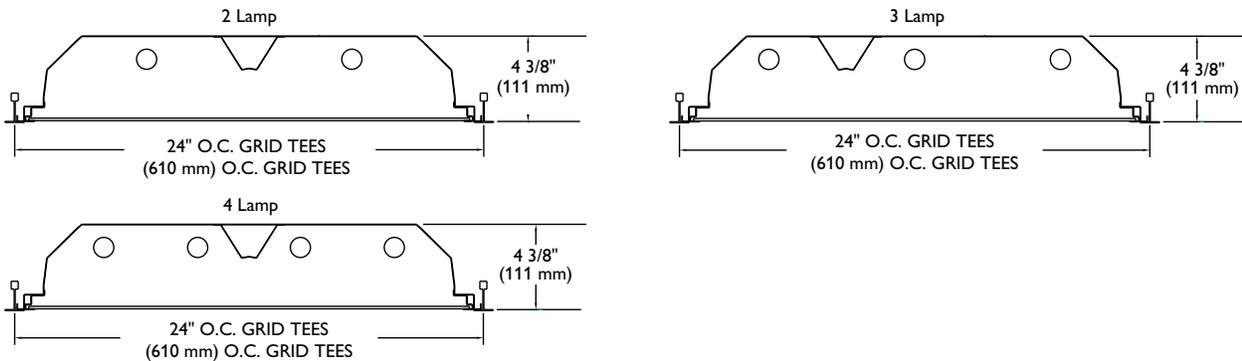
Electrical

- cULus listed for wet and damp locations for covered ceiling use only.
- Models incorporating standard emergency ballasts will be listed for damp locations.

Enclosures

- Flat steel door is standard.
- Extruded aluminum door optional.
- Door frames have mitered corners and are painted after fabrication with polyester powder coating.
- Closed cell neoprene gasketing between housing and door frame where required.
- T-Hinges are standard for positive support of the enclosure.
- White guide-post spring loaded latches are standard for ease of use and secure retention of the door frame and lens.

Dimensions



2DPWL Designer wet location troffer 2x4

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Photometry

DPWL 2x4 3 Lamp T8

Efficiency – 79.2%

LER – 67

TER – 58

		Candlepower				Light Distribution				Average Luminance			
		Angle	End	45	Cross	Degrees	Lumens	% Lamp	% Luminaire	Angle	End	45°	Cross
Catalog No.	2DPWLG332-FS01-1/3-EB	0	2680	2680	2680	0-30	2132	24.9	31.5	45	3491	3652	3879
Test No.	20838D1	5	2690	2670	2658	0-40	3481	40.7	51.4	55	2757	2948	3080
S/MH	1.3	10	2657	2650	2653	0-60	5741	67.1	84.8	65	2165	1858	2154
Lamp Type	F32T8	15	2601	2617	2636	0-90	6772	79.2	100.0	75	1922	1529	2172
Lumens/Lamp	2850	20	2522	2561	2600					85	2226	2085	2509
Ballast Factor	0.88	25	2417	2476	2522								
Input Watts	89	30	2275	2353	2382								
		35	2096	2177	2211								
		40	1873	1946	2015								
		45	1603	1677	1781								
		50	1294	1389	1501								
		55	1027	1098	1147								
		60	794	774	816								
		65	594	510	591								
		70	441	334	453								
		75	323	257	365								
		80	237	211	273								
		85	126	118	142								

Comparative yearly lighting energy cost per 1000 lumens – **\$3.58** 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.

DPWL 2x4 4 Lamp T8

Efficiency – 80.1%

LER – 70

TER – 62

		Candlepower				Light Distribution				Average Luminance			
		Angle	End	45	Cross	Degrees	Lumens	% Lamp	% Luminaire	Angle	End	45°	Cross
Catalog No.	2DPWLG432-FS01-1/4-EB	0	3668	3668	3668	0-30	2916	25.6	31.6	45	4739	5038	5292
Test No.	20849D1	5	3670	3662	3642	0-40	4766	41.8	51.6	55	3754	3987	4087
S/MH	1.3	10	3621	3637	3634	0-60	7839	68.8	84.9	65	2930	2514	2926
Lamp Type	F32T8	15	3546	3586	3609	0-90	9234	81.0	100.0	75	2576	2059	2945
Lumens/Lamp	2850	20	3438	3512	3555					85	2969	2880	3428
Ballast Factor	0.88	25	3289	3393	3452								
Input Watts	116	30	3099	3220	3281								
		35	2846	2991	3049								
		40	2531	2689	2763								
		45	2176	2313	2430								
		50	1767	1912	1996								
		55	1398	1485	1522								
		60	1066	1037	1109								
		65	804	690	803								
		70	589	450	613								
		75	433	346	495								
		80	317	289	371								
		85	168	163	194								

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.



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

