

Day-Brite

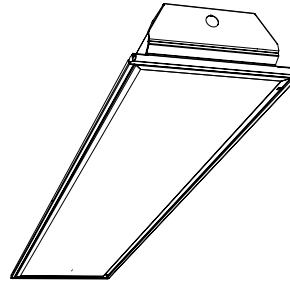
CFI

by Signify

Recessed

Designer 1x4

1, 2, or 3 lamp T8, T5, T5HO



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

Day-Brite / CFI Designer is a premium grade recessed luminaire. Multiple options in door frames, lenses, air handling, and ceiling types provide versatility to meet the needs of many applications.

Ordering guide Example:

1DPG132-FA01-UNV-1/1-EBHHE-LPT835HL

Width	Family	Ceiling Type	No. of Lamps (not included)	Lamp Type/Wattage	Door frame	Lens	Voltage	Door Finish
1	DP				FA			
1 1'	DP Designer	G Grid F Flange	1 2 3	28 28WT5 (46") 32 32WT8 (48") 54HO 54WT5HO (46")	FA Flat Aluminum	01 Pattern 12 prismatic acrylic 08 Frost glaze (opal), .187" nominal 12 K-12, .125" nominal 19 K-19, .156" nominal 21 Pattern 12, .125" nominal	120 120V 277 277V 347 347V UNV Universal voltage 120-277V	BLANK White B Black Door

Options

1/2 One 2 lamp ballast	E6LP LP600 emerg. ballast U.S. or Canada market, T5/T5HO, 750-1325 lumens, 120/277V
1/3 One 3 lamp ballast	F1 3/8" flex, 3 wire 18 gauge 6'
1/21 2 lamp and 1 lamp ballasts	F2 3/8" flex, 4 wire 18 gauge 6'
2/1 2 one lamp ballasts	F2/5W 3/8" single flex, 5 wire 18 gauge 6' for dimmable luminaires
EB Electronic ballast, <10% THD std. ballast factor	GLR Fusing, fast blow
EB10R T8 electronic ballast, program rapid start, <10% THD	LPT830 Installed T8/T5/T5HO lamps 80+ CRI 3000K
EBHE T8 electronic ballast, high efficiency, std. ballast factor	LPT835 Installed T8/T5/T5HO lamps 80+ CRI 3500K
EBLHE T8 electronic ballast, high efficiency, low ballast factor	LPT841 Installed T8/T5/T5HO lamps 80+ CRI 4100K
EBHHE T8 electronic ballast, high efficiency, high ballast factor	LPT830HL Installed T8/T5 hi lumen lamps 80+ CRI 3000K
EBD7 Advance Mark 7 dimming ballast, 0-10V (low voltage) control	LPT835HL Installed T8/T5 hi lumen lamps 80+ CRI 3500K
EBDX Advance Mark 10 dimming ballast, phase control	LPT841HL Installed T8/T5 hi lumen lamps 80+ CRI 4100K
EBSD T8 electronic step dimming ballast, .88 ballast factor	1W 1-way gasketing between lens & door frame (not avail. w/ RA door)
EBD Electronic dimming ballast, customer specified	2W 2-way gasketing, 1W + gasketing between door frame & housing
E1 B100 emerg. ballast, T8, 350-450 lumens, 120/277V	3W 3-way gasketing, 2W + gasketing for field installation between housing & ceiling
E1CAN B100-CAN emerg. ballast, Canada market, T8, 350-450 lumens, 120/347V	SI Specular Insert (reflector)
E7 B60 emerg. ballast, T8, 600-700 lumens, 120/277V	PAF Housing painted after fabrication
E5 B50 emerg. ballast, U.S. or Canada market, T8, 1100-1400 lumens, UNV	CHIC Chicago Plenum rated
E5CAN B50-CAN emerg. ballast, Canada market, T8, 1100-1400 lumens, 120/347V	
E5ST B50ST emerg. ballast w/self test, T8, 1100-1400 lumens, UNV	
E7LP LP550 emerg. ballast T5/T5HO, 430-700 lumens, 120/277V	

Accessories (order separately)

- **FMA14** 1'x4' "F" mounting frame for NEMA "F" mounting
- **FKDP14** 1x4 flange conversion kit from NEMA G to NEMA F type
- **GCC** Grid clip pack (set of 4)



1DP Designer recessed 1X4

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Construction/Finish

- T-bar clips not integral to the luminaire and must be ordered separately.
- Factory installed access plate includes grounding screw
- Die formed ribbed and embossed steel housing
- K.O. in luminaire ends for thru wiring or conduit entry in shallow plenums
- Housing is multi-stage phosphate treated for maximum corrosion resistance and finish coat is high reflectance baked white enamel

Enclosure

- Door frames standard with premium white guide post spring loaded latches
- Door frames have mitered corners and are painted after fabrication with white polyester powder finish

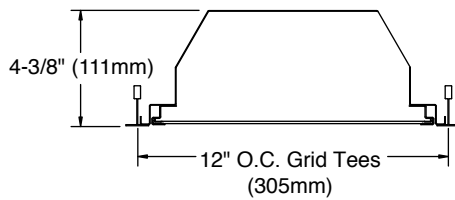
Application

- Premium quality recessed static troffer for:
 - Grid inverted T (NEMA "G")
 - Flange for concealed mechanical suspension (NEMA "F")

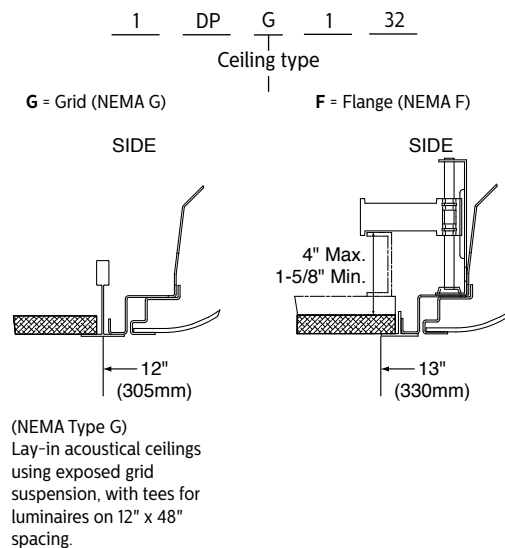
Electrical

- cULus listed for damp locations
- Self-contained fluorescent emergency power packs can be incorporated
- No exposed internal wiring
- Twist lock lampholders are standard for positive lamp retention

Dimensions



Ceiling configuration



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Designer 1x4 3 Lamp T8

Efficiency – 67.7%

LER – 67

TER – 59

Designer 1x4 3 Lamp T8		Candlepower				Light Distribution				Average Luminance			
Catalog No.	1DPG332-FS01-1/3-EB	Angle	End	45	Cross	Degrees	Lumens	% Lamp	% Luminaire	Angle	End	45°	Cross
Test No.	15554	0	2538	2538	2538	0-30	1972	22.7	33.5	45	7267	6886	6799
S/MH	1.2	5	2528	2527	2527	0-40	3170	36.4	53.8	55	5666	5450	4891
Lamp Type	F32T8	10	2495	2501	2504	0-60	5066	58.2	86.0	65	4110	3457	3563
Lumens/Lamp	2900	15	2439	2453	2466	0-90	5888	67.7	100.0	75	3662	2583	3435
Ballast Factor	0.93	20	2351	2378	2387					85	4666	3835	4349
Input Watts	82	25	2240	2266	2266	Coefficients of Utilization							
Comparative yearly lighting energy cost per 1000 lumens – \$3.58 based on 3000 hrs. and \$.08 pwr KWH.		EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)											
		pcc			80			70			50		
The photometric results were obtained in the Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.		pw											
		RCR			70			50			30		
		0	81	81	81	79	79	79	75	75			
		1	73	70	68	72	69	67	67	65			
		2	68	63	58	67	61	57	59	56			
		3	63	56	51	60	55	51	53	48			
		4	57	50	45	56	50	44	47	42			
		5	54	45	40	52	45	39	42	39			
		6	50	40	35	47	40	34	39	34			
		7	46	38	32	45	36	32	35	30			
		8	42	34	28	41	34	28	33	28			
9	40	32	26	39	30	26	30	26					
10	38	28	23	36	28	23	28	23					

