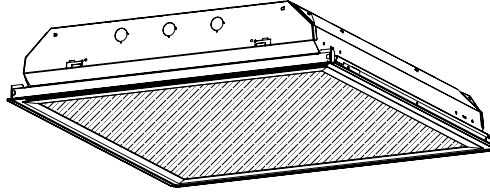


Recessed

Designer 2x2

2 or 3 lamp TT5
with air handling



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:

2DPGA317-FA01-UNV-1/3-EBHE-LPT835HL

Width	Family	Ceiling type	Air function	No. of lamps (not included)	Lamp type/Wattage	Door frame	Lens	Voltage	Door finish
2									
2 2'	DP Designer	G Grid F Flange	S Static (no air function) but with black reveal A Air Supply H Heat Transfer C Combination (A&H)	2 3	CF40 40WTT5 (24") CF50 50WTT5 (24") CF55 55WTT5 (24")	FA Flat Aluminum RA Regressed 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 1/3 One 3 lamp ballast 1/21 2 lamp and 1 lamp ballasts APC Air pattern control blade ASC Snap out air slot covers one 1-lamp ballast EB Electronic ballast, <10% THD std. ballast factor EB10R T8 electronic ballast, program rapid start, <10% THD 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 E7 B60 emerg. ballast, T8, 600-700 lumens, 120/277V E5 B50 emerg. ballast, U.S. or Canada market, T8, 1100-1400 lumens, UNV E5CAN B50-CAN emerg. ballast, Canada market, T8, 1100-1400 lumens, 120/347V	F1 3/8" flex, 3 wire 18 gauge 6' F2 3/8" flex, 4 wire 18 gauge 6' F2/5W 3/8" single flex, 5 wire 18 gauge 6' for dimmable luminaires GLR Fusing, fast blow 2W 2-way gasketing, 1W + gasketing between door frame & housing 3W 3-way gasketing, 2W + gasketing for field installation between housing & ceiling SI Specular Insert (reflector) PAF Housing painted after fabrication CHIC Chicago Plenum rated WR White reveal
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Accessories (order separately)

FKDP22 Flange conversion kit 2x2
FMA22 2'x2' "F" mounting frame for NEMA "F" mounting

2DP Designer recessed 2X2

2 or 3 lamp TT5

Application

- Premium quality recessed air handling troffer for:
 - Grid inverted T (NEMA “G”) ceilings
 - Flange for concealed mechanical suspension (NEMA “F”)
- Select one of the four air handling functions:
 - Static; non-air handling
 - Heat transfer; air return through lamp compartment
 - Air supply; (or air return) through side slots, adjustable pattern control blade is optional
 - Combination; both heat transfer and air supply features listed above
- Air handling or combination models are available with optional factory installed snap-in air slot covers (ASC) or adjustable air pattern control blades (APC)
- Air boots by others

Construction/Finish

- Housing is multi-stage phosphate treated for maximum corrosion resistance and finish coat is high reflectance baked white enamel
- Factory installed access plate includes 7/8" hole, 7/8" knockout and grounding screw
- Flat black finish inside perimeter reveal for “floating door” appearance
- T-bar grid clips (UL listed) built into fixture, no extra parts required. Designed for use with standard grid ceiling members, 1-1/2" maximum height
- One-piece housing features integral end plates that increase rigidity and minimize damage from handling or shipping

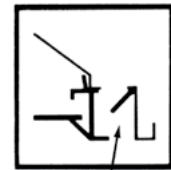
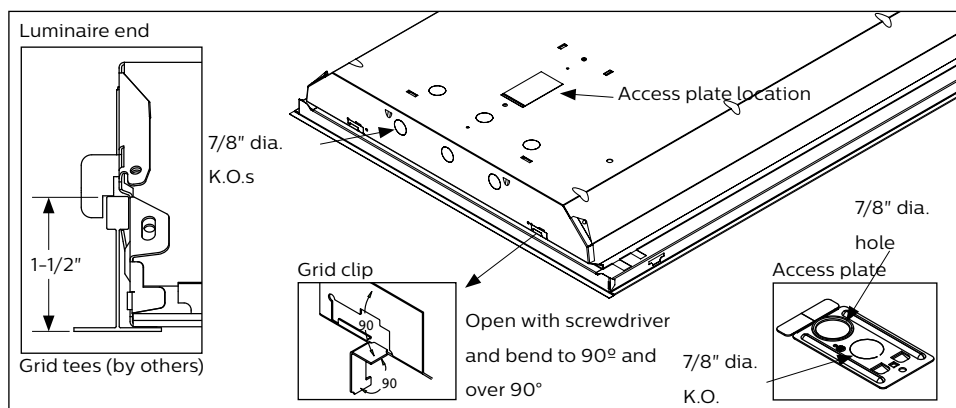
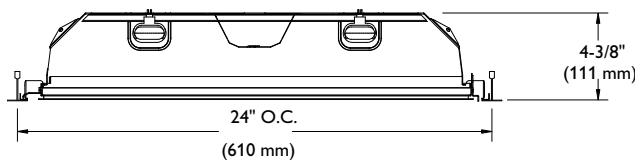
Electrical

- Class P, HPF ballasts comply with E Federal Ballast Law (Public Law 100-357, 1988)
- cULus listed for damp locations
- Self-contained fluorescent emergency power packs can be incorporated, UL listed for dry locations

Enclosure

- Mitered corner door frames with a choice of Flat Aluminum or Regressed Aluminum
- Door frames standard with guide post spring loaded latches
- Mechanically designed interlocks block light, no gaskets are needed
- Prismatic acrylic pattern 12 lens standard (01)
- Other lenses or louvers optional
- Choice of door finishes: white (standard), or black
- T-hinges are standard for positive support of the enclosure

Dimensions



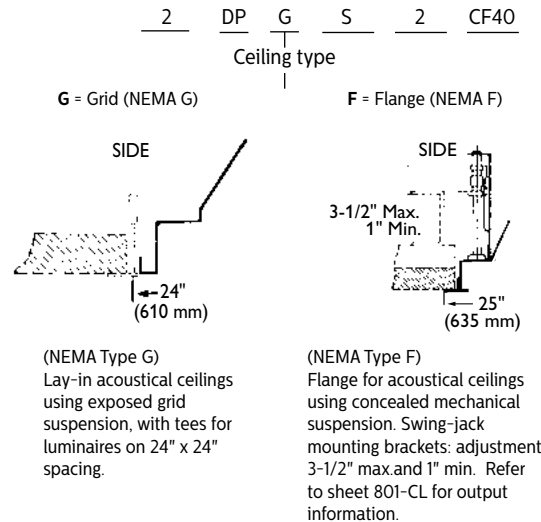
Optional Air Pattern Control (on Air and Combination Units)

- Fully adjustable
 - Closed= Static
 - 45°= Horizontal Air Supply
 - 90°= (fully open) – Vertical Air Supply
- Side Slots may also be used for Return Air to Plenum

2DP Designer recessed 2X2

2 or 3 lamp TT5

Ceiling configuration



Photometry

DPGA 2x2 2 Lamp T5 Efficiency – 80.5% LER – 65 TER – 57

Catalog No.	2DPGS2CF40-FA01-1/2-EB	Candlepower				Light Distribution				Average Luminance			
		Angle	End	45	Cross	Degrees	Lumens	% Lamp	% Luminaire	Angle	End	45°	Cross
Test No.	22750	0	2072	2072	2072	0-30	1637	26.0	32.3	45	5863	6577	7063
S/MH	1.4	5	2062	2067	2073	0-40	2668	42.3	52.6	55	4527	5074	5331
Lamp Type	40WTT5	10	2030	2047	2068	0-60	4318	68.5	85.2	65	3439	3255	3919
Lumens/Lamp	3150	15	1978	2014	2056	0-90	5069	80.5	100.0	75	3591	2693	3349
Ballast Factor	0.96	20	1894	1963	2043					85	4401	3766	3936
Input Watts	75	25	1785	1894	2007								
		30	1647	1797	1945								
		35	1494	1662	1814								
		40	1323	1477	1607								
		45	1124	1261	1354								
		50	907	1027	1065								
		55	704	789	829								
		60	526	558	626								
		65	394	373	449								
		70	309	251	320								
		75	252	189	235								
		80	194	155	175								
		85	104	89	93								

Comparative yearly lighting energy cost per 1000 lumens – **\$3.69** 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.

DPGA 2x2 3 Lamp T5 Efficiency – 76.3% LER – 63 TER – 56

Catalog No.	2DPGS3CF40-FA01-1/3-EB	Candlepower				Light Distribution				Average Luminance			
		Angle	End	45	Cross	Degrees	Lumens	% Lamp	% Luminaire	Angle	End	45°	Cross
Test No.	22759	0	3063	3063	3063	0-30	2390	25.3	33.2	45	8528	9013	9650
S/MH	1.3	5	3038	3047	3078	0-40	3845	40.7	53.3	55	6533	7035	7575
Lamp Type	40WTT5	10	2988	3016	3066	0-60	6149	65.1	85.3	65	4887	4556	5489
Lumens/Lamp	3150	15	2903	2957	3031	0-90	7206	76.3	100.0	75	5159	3805	4717
Ballast Factor	0.96	20	2777	2872	2979					85	6771	5671	5798
Input Watts	110	25	2615	2750	2879								
		30	2413	2572	2708								
		35	2181	2340	2468								
		40	1930	2062	2187								
		45	1635	1728	1850								
		50	1315	1398	1486								
		55	1016	1094	1178								
		60	752	779	873								
		65	560	522	629								
		70	439	351	451								
		75	362	267	331								
		80	277	220	246								
		85	160	134	137								

Comparative yearly lighting energy cost per 1000 lumens – **\$3.81** 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.

2DP Designer recessed 2X2

2 or 3 lamp TT5



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

