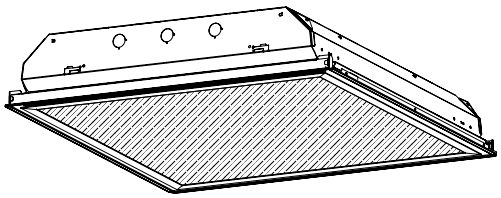
Day-Brite CFI by Signify

Recessed

Designer 2x2

2 or 3 lamp TT5



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: 2DPG2CF40-FS01-UNV-1/2-EB-LPT835

Width	Family	Ceiling type	No. of lamps (not included)	Lamp type/Wattage	Door frame	Lens	Door finish	Voltage	Door finish
2	DP								
2 2'	**DP** Designer	**G** Grid **F** Flange	**2** **3**	**CF40** 40WTT5 (24") **CF50** 50WTT5 (24") **CF55** 55WTT5 (24")	**FS** Flat Steel **FA** Flat Aluminum **RA** Regressed Aluminum	**01** Pattern 12 prismatic acrylic **12** K-12, .125" nominal **19** K-19, .156" nominal **21** Pattern 12, .125" nominal	**BLANK** White **B** Black Door	**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
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
EBD7	Advance Mark 7 dimming ballast, 0-10V (low voltage) control
EBDX	Advance Mark 10 dimming ballast, phase control
EBSD	T8 electronic step dimming ballast, .88 ballast factor
EBD	Electronic dimming ballast, customer specified
E1	B100 emerg. ballast, T8, 350-450 lumens, 120/277V
E1CAN	B100-CAN emerg. ballast, Canada market, T8, 350-450 lumens, 120/347V
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
E5ST	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" single flex, 5 wire 18 gauge 6' for dimmable luminaires
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 (not avail. w/ RA door)
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

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 static troffer for:
  - Grid inverted T (NEMA “G”)
  - Flange for concealed mechanical suspension (NEMA “F”)

Construction/Finish

- Die formed steel housing
- 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
- 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

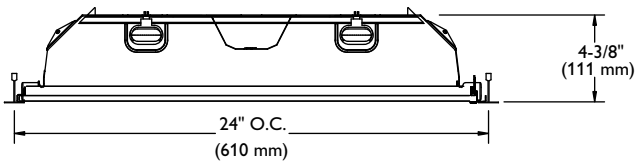
Electrical

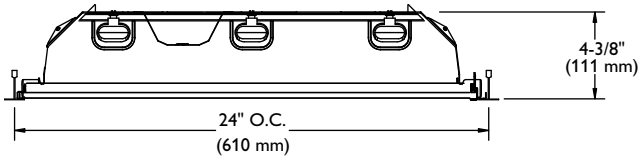
- Class P, HPF ballasts comply with E Federal Ballast Law (Public Law 100-357, 1988)
- cULus listed for damp locations
- Self-contained fluorescent emergency power packs can be incorporated, UL listed for dry locations

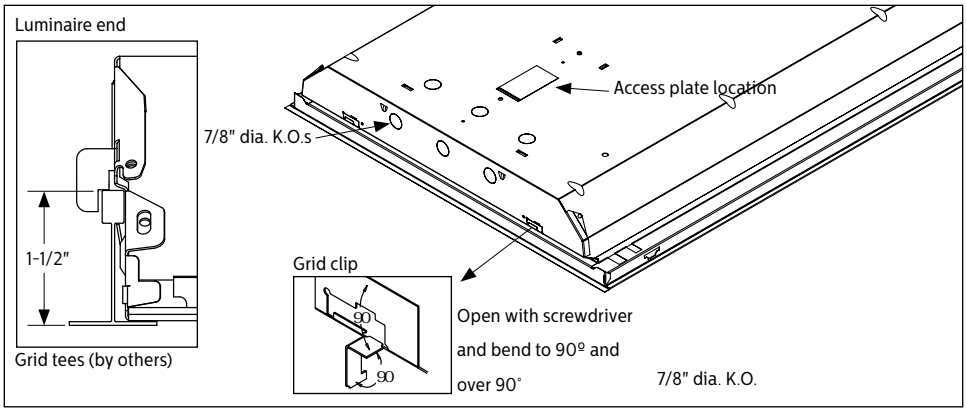
Enclosure

- Mitered corner door frames with a choice of: Flat Steel, Flat Aluminum, or Regressed Aluminum
- T-hinges are standard for positive support of the enclosure
- Guide-post spring loaded latches are standard for ease of use and secure retention of the louver
- 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

Dimensions







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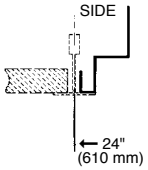
Ceiling configuration

2 DP G 2 31U6

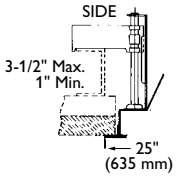
Ceiling type

G = Grid (NEMA G)



(NEMA Type G)
Lay-in acoustical ceilings using exposed grid suspension, with tees for luminaires on 24" x 24" spacing.

F = Flange (NEMA F)



(NEMA Type F)
Flange for acoustical ceilings using concealed mechanical suspension. Swing-jack mounting brackets: adjustment 3-1/2" max.and 1" min. Refer to sheet 801-CL for output information.

Photometry

DP 2 Lamp 40WTT5 Efficiency – 84.4% LER – 68 TER – 60

Catalog No.	2DPG2CF40-FS01-1/2-EB
Test No.	22748
S/MH	1.4
Lamp Type	40WTT5
Lumens/Lamp	3150
Ballast Factor	0.96
Input Watts	75

Comparative yearly lighting energy cost per 1000 lumens – **$3.53** 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	2117	2117	2117
5	2110	2108	2115
10	2081	2090	2111
15	2026	2058	2097
20	1946	2008	2079
25	1844	1938	2049
30	1713	1842	1986
35	1563	1712	1871
40	1386	1524	1671
45	1177	1319	1414
50	967	1107	1143
55	773	873	904
60	588	626	687
65	441	414	497
70	341	268	354
75	272	194	254
80	206	157	186
85	110	88	97

Light Distribution

Degrees	Lumens	% Lamp	% Luminaire
0-30	1675	26.6	31.5
0-40	2741	43.5	51.6
0-60	4507	71.5	84.8
0-90	5314	84.4	100.0

Average Luminance

Angle	End	45°	Cross
45	5392	6042	6478
55	4366	4930	5105
65	3380	3173	3809
75	3404	2428	3179
85	4088	3271	3605

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	100	100	100	97	97	97	93	93
1	92	89	84	90	86	83	82	81
2	84	78	72	82	77	71	73	69
3	78	68	63	76	68	61	66	60
4	71	61	55	69	60	54	58	53
5	66	56	48	64	55	47	53	46
6	60	50	42	59	50	42	47	41
7	56	46	39	55	45	38	44	38
8	53	41	34	52	40	34	40	34
9	50	39	32	47	38	32	36	30
10	46	35	28	45	34	28	34	28

DP 3 Lamp 40WTT5 Efficiency – 79.8% LER – 66 TER – 59

Catalog No.	2DPG3CF40-FS01-1/3-EB
Test No.	22756
S/MH	1.3
Lamp Type	40WTT5
Lumens/Lamp	3150
Ballast Factor	0.96
Input Watts	109

Comparative yearly lighting energy cost per 1000 lumens – **$3.64** 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	3101	3101	3101
5	3088	3081	3108
10	3041	3053	3096
15	2963	3008	3072
20	2843	2923	3030
25	2688	2813	2948
30	2502	2652	2795
35	2284	2430	2573
40	2019	2153	2272
45	1711	1832	1905
50	1398	1512	1563
55	1118	1197	1258
60	846	876	955
65	629	588	684
70	485	375	495
75	389	270	356
80	294	218	258
85	154	119	140

Light Distribution

Degrees	Lumens	% Lamp	% Luminaire
0-30	2438	25.8	32.3
0-40	3951	41.8	52.4
0-60	6416	67.9	85.1
0-90	7542	79.8	100.0

Average Luminance

Angle	End	45°	Cross
45	7838	8393	8727
55	6314	6760	7105
65	4821	4507	5243
75	4869	3379	4456
85	5724	4423	5203

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	94	94	94	93	93	93	89	89
1	86	83	81	84	81	79	79	76
2	80	73	68	78	72	68	69	66
3	73	66	59	71	65	58	61	57
4	68	58	52	66	57	52	56	51
5	63	53	46	60	52	46	50	45
6	57	47	40	56	46	40	46	40
7	54	44	36	53	42	36	41	35
8	50	40	34	48	40	33	38	33
9	46	36	30	46	35	29	34	29
10	44	34	28	42	34	28	33	27

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

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