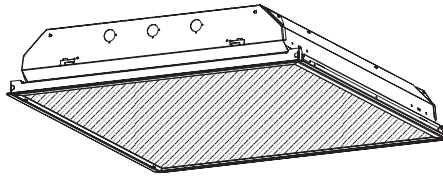


Recessed

SP troffer 2x2

TT5



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

The Day-Brite / CFI SP troffer is a specification grade recessed lensed luminaire and offers many premium options.

Ordering guide

Example: 2SPG2CF40R-FS01-UNV-1/2-EB-LPT835

Width	Family	Ceiling Type	No. of Lamps (not included)	Lamp Type	Housing	Door Frame	Lens	Door Finish	Voltage	Options
2	SP				—	—		—	—	
2 2'	SP SP Troffer	G Grid F Flange	2 3 4 (CF40 only)	CF40 40WTT5 (24") CF50 50WTT5 (24") CF55 55WTT5 (24")	R Revised Housing	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 30 1/2"x1/2"x1/2" silver polystyrene louver 34 1-1/2"x1-1/2"x1" silver polystyrene louver 52 3/4"x3/4"x1/2" silver polystyrene louver	BLANK White Door B Black Door	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 2/2 Two 2-lamp ballasts EB Electronic ballast, <10% THD, std. ballast factor EB10I CF40 electronic ballast, instant 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 E5 B50 emerg. ballast, U.S. or Canada market, T8, 1100-1400 lumens, UNV 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 lamps, 80+ CRI, 3000K LPT835 Installed lamps, 80+ CRI, 3500K LPT841 Installed 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 PAF Housing painted after fabrication

Accessories (order separately)

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

2SP SP troffer recessed 2x2

TT5

Construction/Finish

- Specification quality recessed troffer for the following "NEMA" ceiling types: NEMA "G"-Grid, NEMA "NFSG"-Narrow Faced Slot Grid, NEMA "GR"-Grid Regressed, NEMA "NFG"-Narrow Faced Grid, NEMA "F"-Flange.
- Housing and door frame have smooth edges for easy handling.
- Housing is multi-stage phosphate treated for maximum corrosion resistance and finish coat is high reflectance baked white enamel.
- Troffer body constructed of die-formed CR steel.
- Factory installed access plate includes 7/8" hole, 7/8" knockout and grounding screw.
- T-bar grid clips 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.
- Low profile body minimizes clearance required.
- All units have wire hanger tabs for independent wire suspension.

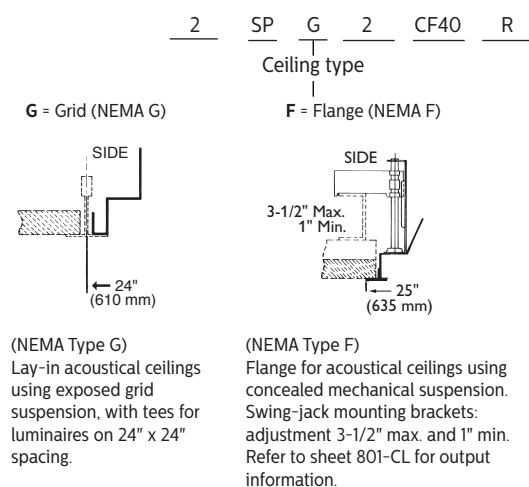
Electrical

- cULus listed for damp locations.
- Self-contained fluorescent emergency power packs can be incorporated.
- No exposed internal wiring.

Enclosure

- Mitered corner door frames.
- Mechanically designed interlocks eliminate light leaks, no gaskets are needed.
- White (standard) or black (optional) door frames available.
- Door frames can be hinged and latched from either side.
- Spring loaded latches are standard.

Ceiling configuration

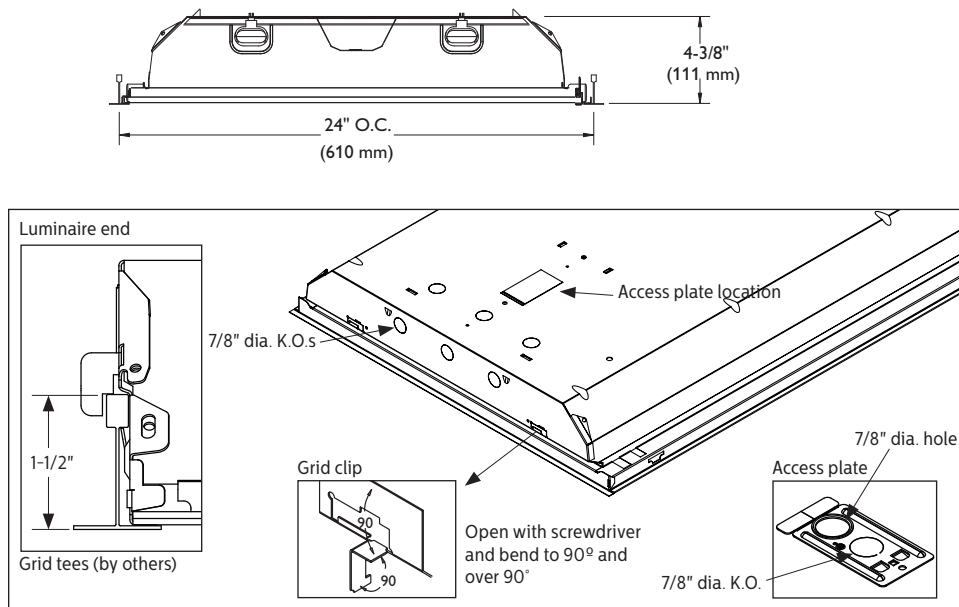


Some luminaires use fluorescent or high intensity discharge (HID) lamps that contain small amounts of mercury. Such lamps are labeled, "Contain Mercury" and/or the symbol "Hg". Lamps that contain mercury must be disposed of in accordance with local requirements. Information regarding lamp recycling and disposal can be found at www.lamprecycle.org

2SP SP troffer recessed 2x2

TT5

Dimensions



Photometry

SP 2x2 2 Lamp 40WTT5

Efficiency – 84.4%

LER – 68

TER – 61

Catalog No.	2SPG2CF40R-FS01-1/2-EB
Test No.	22748P
S/MH	1.4
Lamp Type	40WTT5
Lumens/Lamp	3150
Ballast Factor	.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	

TT5

Side elevation view of the roof assembly. The total height is 4-3/8" (111 mm). The spacing between structural members is 24" O.C. (610 mm).

Catalog No.	2SPG3CF40R-FS01-1/3-EB
Test No.	22756P
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				Average Luminance			
Degrees	Lumens	% Lamp	% Luminaire	Angle	End	45°	Cross
0-30	2438	25.8	32.3	45	7838	8393	8727
0-40	3951	41.8	52.4	55	6314	6760	7105
0-60	6416	67.9	85.1	65	4821	4507	5243
0-90	7542	79.8	100.0	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
RCR							
0	94	94	94	93	93	93	89
1	86	83	81	84	81	79	79
2	80	73	68	78	72	68	69
3	73	66	59	71	65	58	61
4	68	58	52	66	57	52	56
5	63	53	46	60	52	46	50
6	57	47	40	56	46	40	46
7	54	44	36	53	42	36	41
8	50	40	34	48	40	33	38
9	46	36	30	46	35	29	34
10	44	34	28	42	34	28	33

