Day-Brite CFI by Signify

Recessed

Coffaire 2x2

TT5

Project:

Location:

Cat.No:

Type:

Lamps: Qty:

Notes:

Day-Brite / CFI Coffaire recessed adds a new dimension to recessed, indirect, perforated basket luminaires, air return! Coffaire combines a perforated mesh lamp shield with a white acrylic overlay in an indirect cove to create an aesthetically pleasing direct/indirect luminaire.

Ordering guide

Example: CFS2GPF2FTUNV-1/2-EB

Family	Air Function	Width	Ceiling Type	Diffuser	Overlay	No. of Lamps	Lamp Type (by others)	Voltage	Options
CF		2	G	P			FT	–	
CF Coffaire direct/ indirect recessed with perforated mesh shield	**H** Air return **S** Static **A** Air supply and return	**2** 2'	**G** Fits both standard and slot grid	**P** Perforated lamp shield, matte white	**F** Acrylic overlay **G** Dust shield **D** Insect shield	**2** 2 lamp **3** 3 lamp	**FT** 40WTT5	**UNV** Universal voltage, 120-277V **120** 120V **277** 277V **347** 347V	**1/2** One 2-lamp ballast **1/3** One 3-lamp ballast **1/21** 2-lamp and 1-lamp ballasts **EB** Electronic ballast, <10% THD std. ballast factor **EB10I** 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, 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 **CHIC** Chicago plenum rated

Accessories (order separately)

- **FMA22 –** 2'x2' "F" mounting frame for NEMA "F" installations

CFH, CFS, & CFA Coffaire recessed 2x2

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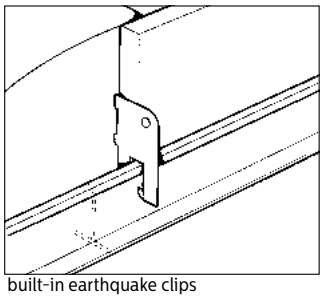
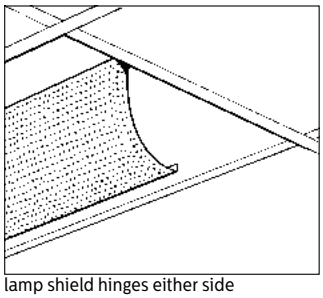
Features

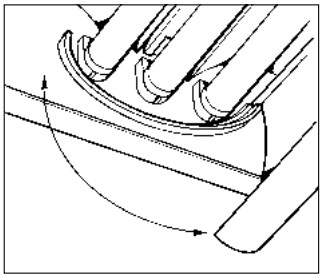
- Direct/indirect lamp shield appearance with soft contoured interior.
- Perforated mesh lamp shield with white acrylic overlay.
- Contoured body and ends.
- 68.1% efficient (2 lamp), 55.2% efficient (3 lamp).
- Spacing to mounting ratio 1.4 (2 lamp), 1.3 (3 lamp).
- Only 5" deep.
- Tension bars secure ends to body.
- Same fixture fits both G and T ceiling.
- Fits flush to face of slot grid (T) ceiling.
- Static models have injection molded light stop at basket ends.
- Perforated lamp shield hinges from either side.
- Ballast accessible from room side.
- Can be continuous row mounted.
- Wiring access plate standard.
- Air return slots located abobe lamp shield (CFH, CFA models).
- Air supply slot located on either side of the reflector, visible from below (CFA models only).



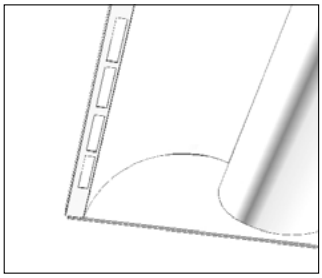
built-in earthquake clips



lamp shield hinges either side



light stop, static models only

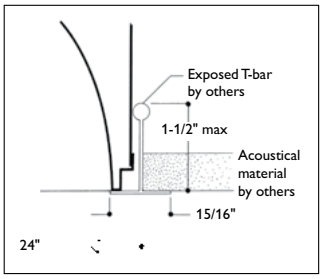


air slots for CFA models

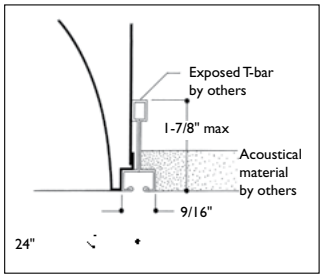
Specifications

- **Performance:** In an installation of 2 lamp 40WTT5 luminaires in a room cavity ratio of 1, with reflectance 80% ceiling, 50% wall, 20% floor, the C.U. shall not be less than .71. To reduce glare the average brightness at 65° shall not exceed 4641 candelas per square meter. To control veiling reflections, luminaire output in the 30°-90° zone shall not be less than 74.0%.
- **Materials:** Chassis parts – die-formed code gauge steel. Lamp Shield – steel perforated mesh lamp shield with white acrylic overlay.
- **Finish:** Chassis exterior – baked white post painted acrylic enamel. Cavity – baked matte white post painted acrylic enamel. Reflector – baked matte white post painted acrylic enamel, minimum 86% reflectance. Phosphate undercoating. Lamp Shield – baked matte white acrylic enamel.
- **Electrical:** Thermally protected class "P" ballast, non PCB. If K.O. is within 3" of ballast, use wire suitable for at least 90°.
- **Labels:** cULus listed, suitalbe for damp locations.

Mounting methods (CFH, CFS)

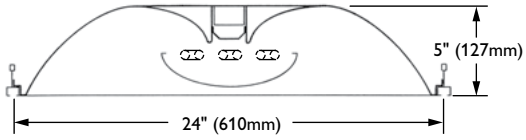


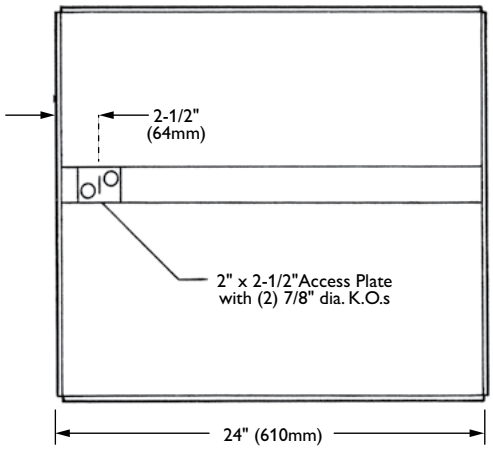
exposed t-grid ceiling



exposed slot t-grid ceiling

Dimensions





CFH, CFS, & CFA Coffaire recessed 2x2

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Photometry

Model No. CFH2GPF2FT120-1/2-EB10I **Efficiency –68.1%** **LER – 57** **TER – 49**

Catalog No.	CFH2GPF2FT120-1/2-EB10I
Test No.	G2004246
S/MH	1.4
Lamp Type	40WTT5
Lumens/Lamp	3150
Ballast Factor	0.88
Input Watts	66

Comparative yearly lighting energy cost per 1000 lumens – **$4.21** 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	1423	1423	1423
5	1416	1416	1417
10	1391	1397	1404
15	1354	1369	1385
20	1304	1331	1360
25	1242	1283	1331
30	1171	1228	1294
35	1089	1168	1251
40	999	1100	1197
45	897	1024	1130
50	786	939	1049
55	669	844	949
60	547	733	822
65	423	607	665
70	305	464	475
75	200	295	300
80	111	155	180
85	37	53	56

Light Distribution

Degrees	Lumens	% Lamp	% Luminaire
0-30	1114	17.7	26.0
0-40	1845	29.3	43.0
0-60	3366	53.4	78.5
0-90	4289	68.1	100.0

Average Luminance

Angle	End	45°	Cross
45	3743	4273	4715
55	3441	4342	4882
65	2953	4238	4643
75	2280	3363	3420
85	1253	1794	1896

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	81	81	81	79	79	79	76	76
1	73	70	68	71	68	67	66	64
2	67	60	56	65	59	56	57	54
3	60	54	47	58	53	46	51	46
4	56	47	40	54	46	40	45	40
5	51	41	35	50	41	35	40	34
6	46	38	32	46	36	30	35	30
7	44	34	28	42	34	28	33	28
8	40	30	25	40	30	25	29	25
9	38	28	23	36	28	23	27	23
10	35	26	20	34	26	20	25	20

Model No. CFH2GPF3FT120-1/3-EB10I **TER – 36**

LER = FP - 41.2 IW - 111.1 BF - 0.88
Comparative yearly lighting energy cost per 1000 lumens = $5.85

Report Number: G2004247
Catalog Number: CFH2GPF3FT120-1/3-EB10I
Lamps: F40/TT5
Luminaire: Coffaire II with perforated basket
Ballast: UT340120
Report is based on 3150 Lumens per lamp.

Efficiency: 55.2%

CIE Type: Direct

Plane:	0-Deg	90-Deg
Spacing Criteria:	1.2	1.3
Shielding Angles:	90	90
Plane:	0-Deg	90-Deg
Luminous Length:	22.920	22.920

COEFFICIENTS OF UTILIZATION – ZONAL CAVITY METHOD. EFFECTIVE FLOOR CAVITY REFLECTANCE 0.20

RC	80			50			30		
RW	**70**	**50**	**30**	**50**	**30**	**10**	**50**	**30**	**10**
1	60	58	55	54	52	51	52	51	49
2	55	50	47	47	45	42	46	43	41
3	50	44	40	42	38	35	40	37	35
4	46	39	34	37	33	30	36	32	30
5	42	35	30	33	29	26	32	29	26
6	39	32	27	30	26	23	29	25	23
7	36	29	24	27	23	20	26	23	20
8	34	26	21	25	21	18	24	21	18
9	31	24	19	23	19	16	22	19	16
10	29	22	18	21	17	15	21	17	15

CANDELA DISTRIBUTION

	0.0	45.0	90.0	FLUX
0	1878	1878	1878	
5	1848	1861	1878	177
15	1746	1789	1826	506
25	1582	1658	1726	766
35	1364	1479	1582	927
45	1100	1258	1386	966
55	796	995	1125	874
65	474	686	753	641
75	218	299	326	304
85	40	49	50	59
90	0	0	0	

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% FIXT
0- 30	1449	15.3	27.8
0- 40	2376	25.1	45.5
0- 60	42316	44.6	80.8
0- 90	5219	55.2	100.0

LUMINANCE DATA IN CANDELA/SQ. METER

AVERAGE IN DEG.	AVERAGE 0-DEG.	AVERAGE 45-DEG.	AVERAGE 90-DEG.
45	4588.	5247.	5781.
55	4093.	5117.	5785.
65	3308.	4788.	5255.
75	2484.	3407.	3715.
85	1354.	1658.	1692.

Hg

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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