

Day-Brite

CFI

by  Signify

Recessed

Coffaire 1x4

T8, T5, or T5HO



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: CFH1GPF232UNV-1/2-EB

Family	Air Function	Width	Ceiling Type	Diffuser	Overlay	No. of Lamps	Lamp Type (by others)	Voltage	Options
CF		1	G	P				—	
CF Coffaire direct/indirect recessed with perforated mesh shield	H Air Return S Static	1 1'	G Fits both standard and slot grid	P Perforated lamp shield, matte white	F Acrylic overlay G Dust shield D Insect shield	1 1 lamp 2 2 lamp	28 28WT5 32 32WT8 54 54WT5HO	UNV Universal voltage, 120-277V 120 120V 277 277V 347 347V	1/1 One 1-lamp ballast 1/2 One 2-lamp ballast EB Electronic ballast, <10% THD std. ballast factor EB10R T8 electronic ballast, <10% THD, program rapid start EBSD T8 electronic step dimming ballast, .88 ballast factor 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 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 ESCAN B50-CAN emerg. ballast, Canada market, T8, 1100-1400 lumens, 120/347V E5ST B50ST emerg. ballast w/self test, U.S. or Canada market, 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/SW 3/8" flex, 5 wire 18 gauge 6' 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 CHIC Chicago plenum rated

Accessories (order separately)

- **FMA14** – 1'x4' "F" mounting frame for NEMA "F" installations

CFS & CFH Coffaire recessed 1x4

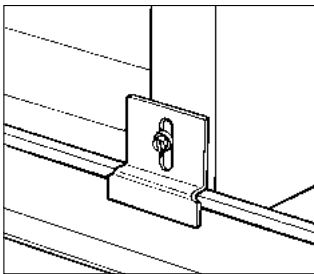
T8, T5, or T5HO

Features

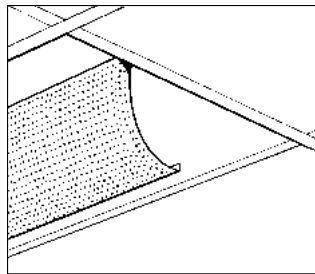
- Direct/indirect lamp shield appearance with soft contoured interior.
- Perforated mesh lamp shield with white acrylic overlay.
- 52.1% efficient (2 lamp T8).
- 55.7% efficient (2 lamp T5).
- Only 5" deep.
- Same fixture fits both G and T ceiling types.
- Fits flush to face of slot grid (T) ceiling.
- Air return standard..
- Lamp shield hinges from either side.
- Can be continuous row mounted.
- Wiring access plate standard.
- 2 earthquake clips standard.

Specifications

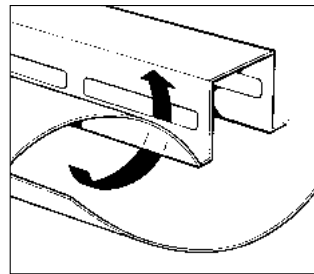
- **Performance:** In an installation of 2 lamp 32WT8 luminaires in a room cavity ratio of 1, with reflectance 80% ceiling, 50% wall, 20% floor, the C.U. shall not be less than .55. To reduce glare the average brightness at 65° shall not exceed 2454 candelas per square meter. To control veiling reflections, luminaire output in the 30°-90° zone shall not be less than 70.4%.
- **Materials:** Chassis parts – die-formed code gauge steel. Lamp Shield – steel perforated mesh lamp shield with white acrylic overlay.
- **Finish:** Chassis exterior – baked white polyester enamel. Cavity – baked matte white polyester enamel. Reflector – baked matte white polyester enamel, minimum 86% reflectance. Rust preventative undercoating. Lamp Shield – baked matte white polyester enamel.
- **Electrical:** Thermally protected class "P" ballast, no PCB. If K.O. is within 3" of ballast, use wire suitable for at least 90°.
- **Labels:** cULus listed, suitable for damp locations.



hold-down clips

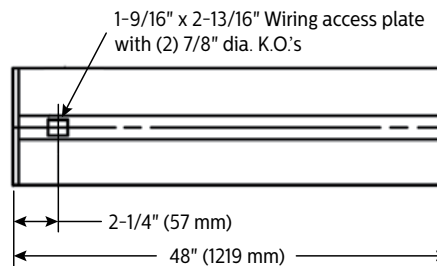
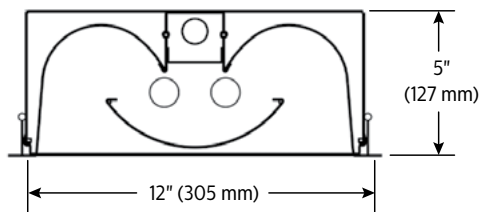


lamp shield hinges either side

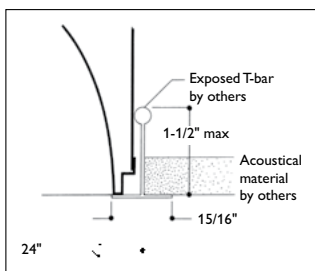


air return flow

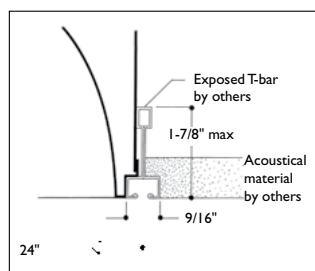
Dimensions



Mounting methods



exposed t-grid ceiling



exposed slot t-grid ceiling

CFS & CFH Coffaire recessed 1x4

T8, T5, or T5HO

Photometry

Model No. CFH1GPF232UNV-1/2-EB

LER = FP - 38.0 IW - 67.7 BF - 0.87
Comparative yearly lighting energy cost per
1000 lumens = \$6.32

Report Number: G2004063
Catalog Number: CFH1GPF232UNV-1/2-EB
Lamps: F32/T8 TL841
Luminaire: CFH 1' x 4' with perforated basket
Ballast: Triad B2321120
Report is based on 2850 Lumens per lamp.
Efficiency: 52.1%
CIE Type: Direct
Plane: 0-Deg 90-Deg
Spacing Criteria: 1.2 1.2
Shielding Angles: 90 90
Plane: 0-Deg 90-Deg
Luminous Length: 46.920 10.920

CANDELA DISTRIBUTION

	0.0	45.0	90.0	FLUX
0	1157	1157	1157	
5	1147	1148	1153	109
15	1096	1095	1100	309
25	1004	998	995	460
35	877	858	854	539
45	720	692	696	540
55	535	514	511	464
65	343	330	341	333
75	172	168	165	175
85	27	33	34	39
90	0	0	0	

COEFFICIENTS OF UTILIZATION -
ZONAL CAVITY METHOD, EFFECTIVE
FLOOR CAVITY REFLECTANCE 0.20

RC	80	50	30	10
RW	70	50	30	10
1	57	55	52	51
2	52	48	44	45
3	47	42	38	40
4	44	37	33	35
5	40	34	29	32
6	37	30	26	29
7	34	27	23	26
8	32	25	21	24
9	30	23	19	22
10	28	21	17	20

LUMINANCE DATA IN CANDELA/SQ. METER

AVERAGE IN DEG.	AVERAGE 0-DEG.	AVERAGE 45-DEG.	AVERAGE 90-DEG.
45	3079.	2959.	2977.
55	2821.	2710.	2694.
65	2454.	2361.	2440.
75	2010.	1963.	1928.
85	937.	1145.	1180.

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% FIXT
0- 30	879	15.4	29.6
0- 40	1418	24.9	47.8
0- 60	2421	42.5	81.6
0- 90	2968	52.1	100.0

Model No. CFH1GPF228120-1/2-EB10I

LER = FP - 47.5 IW - 57 BF - 0.93
Comparative yearly lighting energy cost per
1000 lumens = \$5.05

Report Number: G2005196
Catalog Number: CFH1GPF228120-1/2-EB10I
Lamps: FP28/835/PM ECO
Luminaire: CFH 1' x 4' with perforated basket
Ballast: WA Energy Saver System
Report is based on 2600 Lumens per lamp.
Efficiency: 55.7%
CIE Type: Direct
Plane: 0-Deg 90-Deg
Spacing Criteria: 1.2 1.2
Shielding Angles: 90 90
Plane: 0-Deg 90-Deg
Luminous Length: 46.920 10.920

CANDELA DISTRIBUTION

	0.0	45.0	90.0	FLUX
0	1076	1076	1076	
5	1065	1069	1075	102
15	1018	1025	1031	289
25	935	939	944	433
35	820	819	834	516
45	677	680	699	528
55	510	523	513	460
65	333	335	346	336
75	173	178	179	185
85	31	44	46	49
90	0	0	0	

COEFFICIENTS OF UTILIZATION -
ZONAL CAVITY METHOD, EFFECTIVE
FLOOR CAVITY REFLECTANCE 0.20

RC	80	50	30	10
RW	70	50	30	10
1	61	58	56	54
2	55	51	47	48
3	50	45	40	42
4	46	40	35	37
5	43	35	30	34
6	39	32	27	30
7	36	29	24	28
8	34	26	22	25
9	32	24	20	23
10	30	22	18	21

LUMINANCE DATA IN CANDELA/SQ. METER

AVERAGE IN DEG.	AVERAGE 0-DEG.	AVERAGE 45-DEG.	AVERAGE 90-DEG.
45	2895.	2908.	2989.
55	2689.	2757.	2705.
65	2383.	2397.	2476.
75	2021.	2080.	2091.
85	1076.	1527.	1596.

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% FIXT
0- 30	824	15.9	28.4
0- 40	1340	25.8	46.2
0- 60	2328	44.8	80.3
0- 90	2898	55.7	100.0



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

