

Day-Brite

CFI

by  Signify

Recessed

Coffaire HP 1x4

T8, T5, or T5HO



Project: _____

Location: _____

Cat.No: _____

Type: _____

Lamps: _____ Qty: _____

Notes: _____

Day-Brite / CFI Coffaire HP recessed features a high 95% reflectance white powder painted body, our TransOptix lens and a 95% reflectance specular aluminum reflector. Coffaire HP combines a perforated mesh lamp shield with the TransOptix lens in an indirect cove to create an aesthetically pleasing direct/indirect luminaire.

Ordering guide

Example: CFS1GHP232UNV-1/2-EB

Family	Air Function	Width	Ceiling Type	Diffuser/ Reflector	No. of Lamps	Lamp Type (by others)	Voltage	Options
CF	S	1	G	HP			—	
CF Coffaire direct/ indirect recessed with perforated mesh shield	S Static	1 1'	G Fits both standard and slot grid	HP High performance	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 E5CAN 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' F2/5W 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 Coffaire HP recessed 1x4

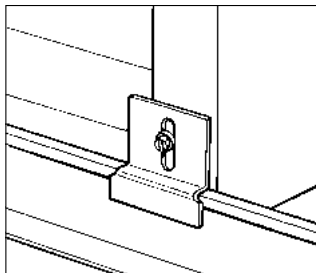
T8, T5, or T5HO

Features

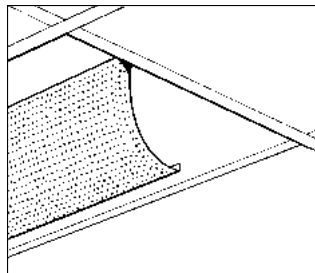
- Direct/indirect lamp shield appearance with soft contoured interior.
- Perforated mesh lamp basket with unique TransOptix lens.
- Body 95% reflective matte white powder coated.
- 95% reflective specular reflector.
- 69.1% efficient (2 lamp 32W T8).
- 77.4% efficient (2 lamp 28W T5).
- Only 5" deep.
- Same fixture fits both G and T ceiling types.
- Fits flush to face of slot grid (T) ceiling.
- Injection molded light stop at basket ends.
- Ballast accessible thru lamp compartment from room side.
- Perforated 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 .72. To reduce glare the average brightness at 65° shall not exceed 3592 candelas per square meter. To control veiling reflections, luminaire output in the 30°-90° zone shall not be less than 70.9%.
- **Materials:** Chassis parts – die-formed code gauge steel. Lamp Shield – steel perforated mesh lamp shield with unique TransOptix lens.
- **Finish:** Chassis exterior – White baked polyester enamel. Rust preventative undercoating. Cavity – 95% reflective white baked polyester enamel. Reflector – 95% reflective specular aluminum reflector. Lamp Shield – 95% reflective white baked polyester 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, suitable for damp locations.

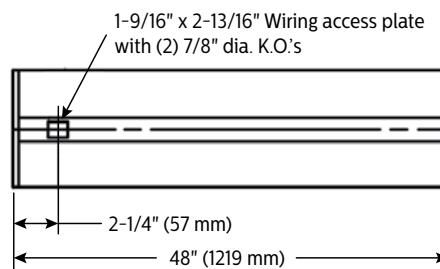
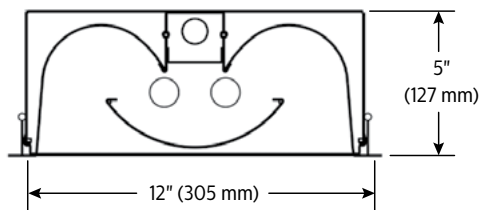


hold-down clips

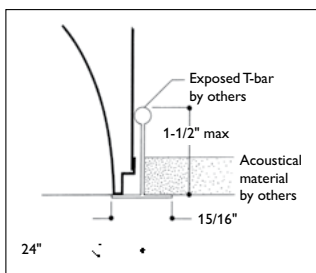


lamp shield hinges either side

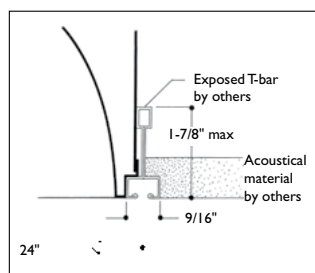
Dimensions



Mounting methods



exposed t-grid ceiling



exposed slot t-grid ceiling

CFS Coffaire HP recessed 1x4

T8, T5, or T5HO

Photometry

Model No. CFS1GHP232UNV-1/2-EB

LER = FP - 65.7 IW - 57.4 BF - 0.88
Comparative yearly lighting energy cost per 1000 lumens = \$3.65

Report Number: G2009088
Catalog Number: CFS1GHP232UNV-1/2-EB
Lamps: (2) F32T8/ADV/841/ALTO
Luminaire: Coffaire HP 1'x4' with 95% reflective white reflectors and perforated basket.
Ballast: B232I-UNV-HP-B
Report is based on 3100 Lumens per lamp.
Efficiency: 69.1%
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	1631	1637	1637	
5	1613	1621	1630	154
15	1543	1547	1559	438
25	1419	1417	1428	655
35	1239	1229	1255	776
45	1014	1005	1050	785
55	757	758	792	681
65	491	490	502	486
75	525	236	224	248
85	50	51	51	59
90	0	0	0	

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% FIXT
0- 30	1247	20.1	29.1
0- 40	2023	32.6	47.2
0- 60	3490	56.3	81.5
0- 90	4283	69.1	100.0

LUMINANCE DATA IN CANDELA/SQ. METER

AVERAGE IN DEG.	AVERAGE 0-DEG.	AVERAGE 45-DEG.	AVERAGE 90-DEG.
45	4337.	4298.	4491.
55	3991.	3996.	4176.
65	3513.	3506.	3592.
75	2944.	2757.	2617.
85	1735.	1770.	1770.

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

RC	80	50	30	10	50	30	10
1	72	72	69	68	66	64	65
2	69	63	59	60	56	53	57
3	63	56	50	53	48	45	51
4	58	50	44	47	42	38	45
5	53	44	38	42	37	33	41
6	49	40	34	38	33	29	37
7	46	36	30	35	30	26	34
8	42	33	27	32	27	23	31
9	40	30	25	29	24	21	29
10	37	28	23	27	22	19	26

Model No. CFS1GHP228120-1/2-EB10I

LER = FP - 67.6 IW - 55.4 BF - 0.93
Comparative yearly lighting energy cost per 1000 lumens = \$3.55

Report Number: G2009092
Catalog Number: CFS1GHP228120-1/2-EB10I
Lamps: (2) F28T5/835/ALTO
Luminaire: Coffaire HP 1'x4' with 95% reflective white reflectors and perforated basket.
Ballast: WA Energy Saver System
Report is based on 2600 Lumens per lamp.
Efficiency: 77.4%
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	1530	1530	1530	
5	1516	1530	1530	145
15	1453	1450	1461	411
25	1335	1329	1343	615
35	1167	1157	1184	730
45	956	948	989	740
55	716	714	743	642
65	465	459	462	456
75	235	218	208	231
85	45	50	50	56
90	0	0	0	

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% FIXT
0- 30	1170	22.5	29.1
0- 40	1900	36.5	47.2
0- 60	3282	63.1	81.5
0- 90	4026	77.4	100.0

LUMINANCE DATA IN CANDELA/SQ. METER

AVERAGE IN DEG.	AVERAGE 0-DEG.	AVERAGE 45-DEG.	AVERAGE 90-DEG.
45	4089.	4054.	4230.
55	3775.	3764.	3917.
65	3327.	3284.	3306.
75	2746.	2547.	2430.
85	1561.	1735.	1735.



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

