

# 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
<b>CF</b>	<b>S</b>	<b>1</b>	<b>G</b>	<b>HP</b>			—	
<b>CF</b> Coffaire direct/ indirect recessed with perforated mesh shield	<b>S</b> Static	<b>1</b> 1'	<b>G</b> Fits both standard and slot grid	<b>HP</b> High performance	<b>1</b> 1 lamp <b>2</b> 2 lamp	<b>28</b> 28WT5 <b>32</b> 32WT8 <b>54</b> 54WT5HO	<b>UNV</b> Universal voltage, 120-277V <b>120</b> 120V <b>277</b> 277V <b>347</b> 347V	<b>1/1</b> One 1-lamp ballast <b>1/2</b> One 2-lamp ballast <b>EB</b> Electronic ballast, <10% THD std. ballast factor <b>EB10R</b> T8 electronic ballast, <10% THD, program rapid start <b>EBSD</b> T8 electronic step dimming ballast, .88 ballast factor <b>EBHE</b> T8 electronic ballast, high efficiency std. ballast factor <b>EBLHE</b> T8 electronic ballast, high efficiency low ballast factor <b>EBHHE</b> T8 electronic ballast, high efficiency high ballast factor <b>EBD7</b> Advance Mark 7 dimming ballast, 0-10V (low voltage) control <b>EBDX</b> Advance Mark 10 dimming ballast, phase control <b>EBD</b> Electronic dimming ballast, customer specified <b>E1</b> B100 emerg. ballast, T8, 350-450 lumens, 120/277V <b>E1CAN</b> B100-CAN emerg. ballast, Canada market, T8 350-450 lumens, 120/347V <b>E7</b> B60 emerg. ballast, T8, 600-700 lumens, 120/277V <b>E5</b> B50 emerg. ballast, U.S. or Canada market, T8, 1100-1400 lumens, UNV <b>E5CAN</b> B50-CAN emerg. ballast, Canada market, T8, 1100-1400 lumens, 120/347V <b>E5ST</b> B50ST emerg. ballast w/self test, U.S. or Canada market, T8, 1100-1400 lumens, UNV <b>E7LP</b> LP550 emerg. ballast T5/T5HO, 430-700 lumens, 120/277V <b>E6LP</b> LP600 emerg. ballast U.S. or Canada market, T5/T5HO, 750-1325 lumens, 120/277V <b>F1</b> 3/8" flex, 3 wire 18 gauge 6' <b>F2</b> 3/8" flex, 4 wire 18 gauge 6' <b>F2/5W</b> 3/8" flex, 5 wire 18 gauge 6' <b>GLR</b> Fusing, fast blow <b>LPT830</b> Installed T8/T5/T5HO lamps, 80+ CRI, 3000K <b>LPT835</b> Installed T8/T5/T5HO lamps, 80+ CRI, 3500K <b>LPT841</b> Installed T8/T5/T5HO lamps, 80+ CRI, 4100K <b>LPT830HL</b> Installed T8/T5 hi lumen lamps, 80+ CRI, 3000K <b>LPT835HL</b> Installed T8/T5 hi lumen lamps, 80+ CRI, 3500K <b>LPT841HL</b> Installed T8/T5 hi lumen lamps, 80+ CRI, 4100K <b>CHIC</b> Chicago plenum rated

#### Accessories (order separately)

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

# CFS Coffaire HP recessed 1x4

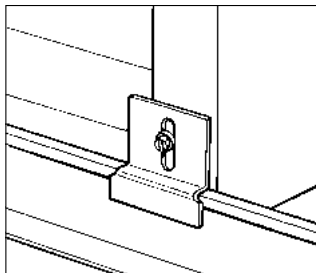
T8, T5, or T5HO

## Features

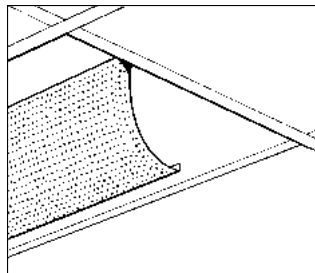
- Direct/indirect lamp shield appearance with soft contoured interior.
- Perforated mesh lamp basket with unique TransOptix lens.
- Body 95% reflective matte white powder coated.
- 95% reflective specular reflector.
- 69.1% efficient (2 lamp 32W T8).
- 77.4% efficient (2 lamp 28W T5).
- Only 5" deep.
- 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.

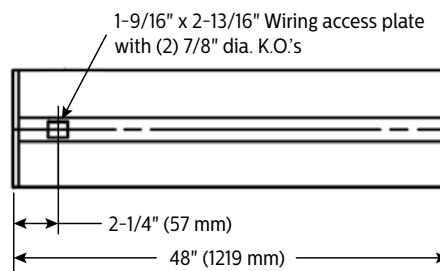
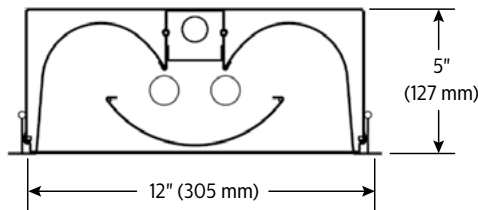


hold-down clips

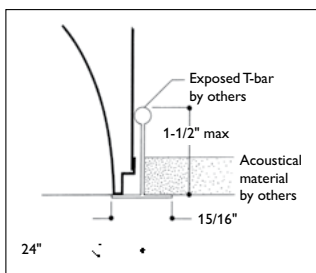


lamp shield hinges either side

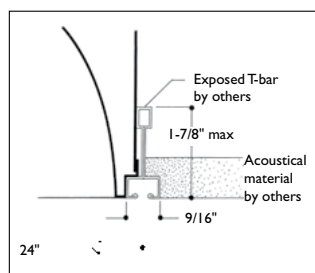
## Dimensions



## 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](http://www.lamprecycle.org)

