

B4060043730747001

PHILIPS
Day-Brite
CFI

Recessed

Coffaire 2x2

T8, T5, or T5HO



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

The Philips Day-Brite / Philips 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: CFS2GPF217UNV-1/2-EB

Family	Air Function	Width	Ceiling Type	Diffuser	Overlay	No. of Lamps	Lamp Type (by others)	Voltage	Options
CF		2	G	P				—	
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 14 14WT5 17 17WT8 24 24WT5HO	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 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 ESST 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)

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

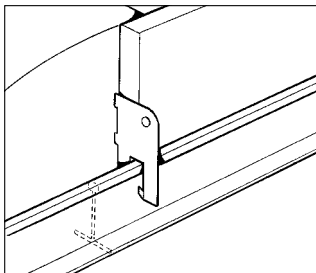
PHILIPS DAY-BRITE LENS OVERLAY

CFH, CFS, & CFA Coffaire recessed 2x2

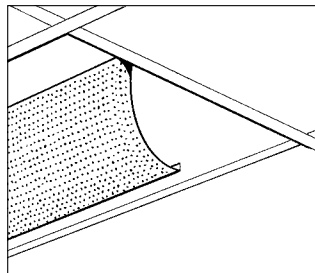
T8, T5, or T5HO

Features

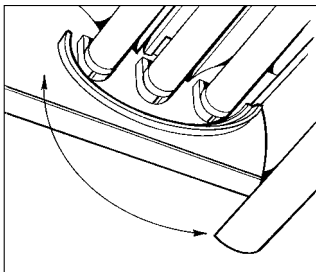
- Direct/indirect lamp shield appearance with soft contoured interior.
- Perforated mesh lamp shield with white acrylic overlay.
- Contoured body and ends.
- 61.7% efficient (2 lamp T8), 55.9% efficient (3 lamp T8), 67.5% efficient (2 lamp T5), 76.6% efficient (2 lamp T5HO, 65.4% efficient (3 lamp T5HO).
- Spacing to mounting ratio 1.4 (2 lamp T5, 2 lamp T5HO, 2 lamp T8).
- Spacing to mounting ratio 1.3 (3 lamp T8).
- 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.
- Can be continuous row mounted.
- Built-in earthquake clips.
- Air return slots located above lamp shield (CFH, CFA models).
- Air supply slot located on either side of the reflector, visible from below (CFA models only).



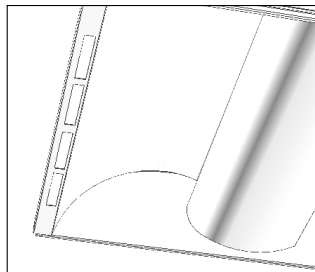
built-in earthquake clips



lamp shield hinges either side

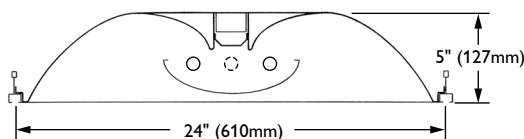


light stop, static models only



air slots for CFA models

Dimensions



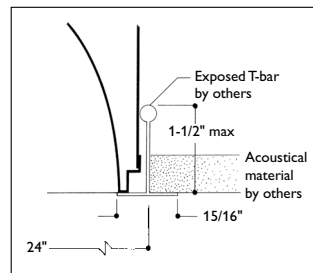
Hg

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

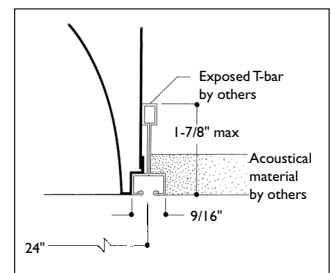
Specifications

- **Performance:** In an installation of 2 lamp 17WT8 luminaires in a room cavity ratio of 1, with reflectance 80% ceiling, 50% wall, 20% floor, the C.U. shall not be less than .64. To reduce glare the average brightness at 65° shall not exceed 1815 candelas per square meter. To control veiling reflections, luminaire output in the 30°-90° zone shall not be less than 73.2%.
In an installation of 2 lamp 14WT5 luminaires in a room cavity ratio of 1, with reflectance 80% ceiling, 50% wall, 20% floor, the C.U. shall not be less than .69. To reduce glare the average brightness at 65° shall not exceed 1848 candelas per square meter. To control veiling reflections, luminaire output in the 30°-90° zone shall not be less than 73.5%.
In an installation of 2 lamp 24WT5HO luminaires in a room cavity ratio of 1, with reflectance 80% ceiling, 50% wall, 20% floor, the C.U. shall not be less than .70. To reduce glare the average brightness at 65° shall not exceed 2751 candelas per square meter. To control veiling reflections, luminaire output in the 30°-90° zone shall not be less than 72.9%.
- **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, suitable for damp locations.

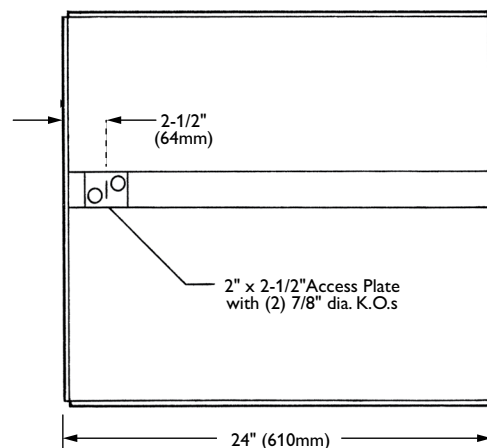
Mounting methods (CFS, CFA)



exposed t-grid ceiling



exposed slot t-grid ceiling



CFH, CFS, & CFA Coffaire recessed 2x2

T8, T5, or T5HO

Photometry

Model No. CFH2GPF217120-1/2-EB

LER = FP - 515 IW - 30.08 BF - 0.93
Comparative yearly lighting energy cost per
1000 lumens = \$4.66

Report Number: G2004248

Catalog Number: CFH2GPF217120-1/2-EB

Lamps: F017/41K

Luminaire: Coffaire 2'x2' with perforated basket

Ballast: Triad C240SII20

Report is based on 1350 Lumens per lamp.

Efficiency: 61.7%

CIE Type: Direct

Plane: 0-Deg 90-Deg

Spacing Criteria: 1.2 1.4

Shielding Angles: 55 65

Plane: 0-Deg 90-Deg

Luminous Length: 22.920 22.920

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

RC	70	80	50	30	10	50	30	10
RW	70	50	30	10	50	30	10	70
1	67	64	62	60	58	57	56	55
2	61	56	52	49	47	45	41	38
3	56	49	44	40	37	33	30	33
4	51	43	38	34	31	27	24	28
5	47	39	33	29	25	22	19	25
6	43	35	29	25	22	19	16	22
7	40	32	26	22	19	16	13	19
8	37	29	23	20	17	14	11	17
9	35	26	21	18	15	12	9	15
10	32	24	19	16	13	10	7	12

CANDELA DISTRIBUTION

	0.0	45.0	90.0	FLUX
0	572	572	572	
5	569	570	570	54
15	541	550	560	155
25	492	515	537	237
35	426	465	500	290
45	346	400	445	307
55	253	322	375	283
65	156	230	260	215
75	78	91	107	104
85	15	16	17	20
90	0	0	0	

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% FIXT
0- 30	446	16.5	26.8
0- 40	736	27.3	44.2
0- 60	1327	49.1	79.7
0- 90	1665	61.7	100.0

LUMINANCE DATA IN CANDELA/SQ. METER

AVERAGE IN DEG.	AVERAGE 0-DEG.	AVERAGE 45-DEG.	AVERAGE 90-DEG.
45	1443.	1668.	1856.
55	1301.	1656.	1928.
65	1089.	1605.	1815.
75	889.	1037.	1219.
85	508.	541.	575.

Model No. CFH2GPF317120-1/3-EB

LER = FP - 48.7 IW - 46.5 BF - 1.00
Comparative yearly lighting energy cost per
1000 lumens = \$4.93

Report Number: G2004249

Catalog Number: CFH2GPF317120-1/3-EB

Lamps: F017/41K

Luminaire: Coffaire 2'x2' with perforated basket

Ballast: Triad B332II20

Report is based on 1350 Lumens per lamp.

Efficiency: 55.9%

CIE Type: Direct

Plane: 0-Deg 90-Deg

Spacing Criteria: 1.2 1.3

Shielding Angles: 55 65

Plane: 0-Deg 90-Deg

Luminous Length: 22.920 22.920

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

RC	70	80	50	30	10	50	30	10
RW	70	50	30	10	50	30	10	70
1	61	58	56	55	53	51	51	50
2	56	51	47	48	45	42	46	44
3	51	45	40	42	39	36	41	38
4	46	40	35	37	33	30	36	33
5	43	35	30	34	29	26	32	29
6	39	32	27	30	26	23	29	26
7	36	29	24	27	23	20	27	23
8	34	26	22	25	21	18	24	21
9	32	24	20	23	19	16	23	19
10	30	22	18	21	17	15	21	17

CANDELA DISTRIBUTION

	0.0	45.0	90.0	FLUX
0	800	800	800	
5	794	796	798	76
15	754	766	780	217
25	684	712	741	329
35	591	638	682	399
45	476	544	600	417
55	346	431	493	380
65	208	300	338	283
75	103	133	147	137
85	19	22	23	27
90	0	0	0	

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% FIXT
0- 30	621	15.3	27.4
0- 40	1020	25.2	45.1
0- 60	1817	44.9	80.3
0- 90	2264	55.9	100.0

LUMINANCE DATA IN CANDELA/SQ. METER

AVERAGE IN DEG.	AVERAGE 0-DEG.	AVERAGE 45-DEG.	AVERAGE 90-DEG.
45	1985.	2269.	2503.
55	1779.	2216.	2535.
65	1452.	2094.	2359.
75	1174.	1516.	1675.
85	643.	745.	778.

Model No. CFH2GP214UNV-1/2-EB

LER = FP - 57.9 IW - 31.5 BF - 1.00
Comparative yearly lighting energy cost per
1000 lumens = \$4.15

Report Number: G2004252

Catalog Number: CFH2GP214UNV-1/2-EB

Lamps: (2) F14T5

Luminaire: Coffaire 2'x2' with perforated basket

Ballast: QTP-2X28T5

Report is based on 1350 Lumens per lamp.

Efficiency: 65.7%

CIE Type: Direct

Plane: 0-Deg 90-Deg

Spacing Criteria: 1.2 1.4

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	70	80	50	30	10	50	30	10
RW	70	50	30	10	50	30	10	70
1	72	69	66	64	62	60	62	60
2	65	60	55	56	53	50	54	51
3	59	52	47	49	45	42	48	44
4	54	46	41	44	39	35	42	38
5	50	41	35	39	34	30	38	34
6	46	37	31	35	30	27	34	30
7	43	34	28	32	27	23	31	27
8	40	31	25	29	24	21	28	24
9	37	28	23	27	22	19	26	22
10	35	26	21	25	20	17	24	20

CANDELA DISTRIBUTION

	0.0	45.0	90.0	FLUX
0	605	605	605	
5	602	602	603	57
15	575	584	592	165
25	526	549	569	253
35	459	498	529	311
45	374	430	471	329
55	275	347	391	304
65	169	244	262	227
75	81	104	107	107
85	17	18	17	21
90	0	0	0	

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% FIXT
0- 30	475	17.6	26.5
0- 40	786	29.1	44.3
0- 60	1419	52.5	80.0
0- 90	1773	67.5	100.0

LUMINANCE DATA IN CANDELA/SQ. METER

AVERAGE IN DEG.	AVERAGE 0-DEG.	AVERAGE 45-DEG.	AVERAGE 90-DEG.
45	1576.	1813.	1985.
55	1429.	1803.	2032.
65	1192.	1721.	1848.
75	933.	1198.	1232.
85	581.	616.	581.

Model No. CFH2GPF224UNV-1/2-EB

LER = FP - 51.3 IW - 52.4 BF - 1.00
Comparative yearly lighting energy cost per
1000 lumens = \$4.68

Report Number: G2004250

Catalog Number: CFH2GPF224UNV-1/2-EB

Lamps: (2) F24T5HO

Luminaire: Coffaire 2'x2' with perforated basket

Ballast: B224PUNV-C

Report is based on 2000 Lumens per lamp.

Efficiency: 67.2%

CIE Type: Direct

Plane: 0-Deg 90-Deg

Spacing Criteria: 1.2 1.4

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	70	80	50	30	10	50	30	10
RW	70	50	30	10	50	30	10	70
1	73	70	67	66	64	62	63	60
2	67	61	57	58	54	51	55	53
3	61	54	48	51	46	43	49	45
4	56	48	42	45	40	36	43	39
5	51	42	36	40	35	31	39	35
6	47	38	32	36	31	27	35	31
7	44	35	29	33	28	24	32	27
8	41	31	26	30	25	22	29	25
9	38	29	23	28	23	19	27	23
10	36	27	21	26	21	18	25	21

CANDELA DISTRIBUTION

	0.0	45.0	90.0	FLUX
0	928	928	928	
5	925	924	925	88
15	882	896	909	253
25	807	841	871	388
35	700	761	810	475
45	568	657	717	501
55	414	525	590	459
65	252	365	390	338
75	119	151	157	156
85	23	25	25	29
90	0	0	0	

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% FIXT
0- 30	728	18.2	27.1
0- 40	1203	30.1	44.8
0- 60	2164	54.1	80.5
0- 90	2687	67.2	100.0

LUMINANCE DATA IN CANDELA/SQ. METER

AVERAGE IN DEG.	AVERAGE 0-DEG.	AVERAGE 45-DEG.	AVERAGE 90-DEG.
45	2394.	2769.	3022.
55	2151.	2728.	3066.
65	1777.	2574.	2751.
75	1370.	2179.	2308.
85	787.	855.	855.

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