

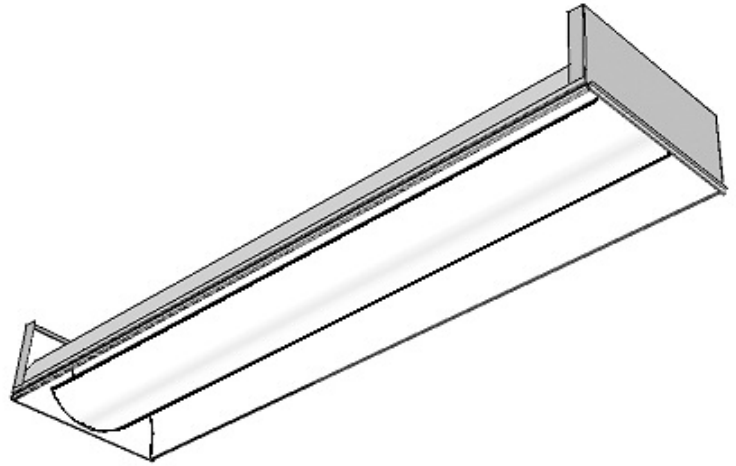
Coffaire Recessed Fluorescent **CFH1GPF**

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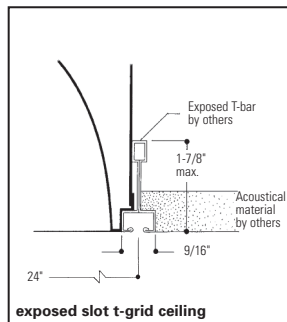
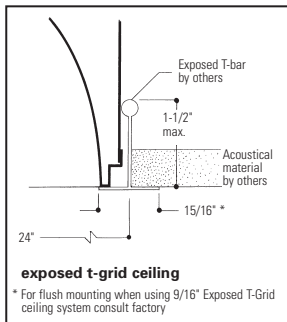
Direct/Indirect – 1' x 4' with Perforated Basket
Air Return/Static, 1 Lamp or 2 Lamp T8 or T5

Features

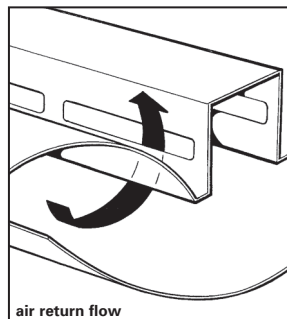
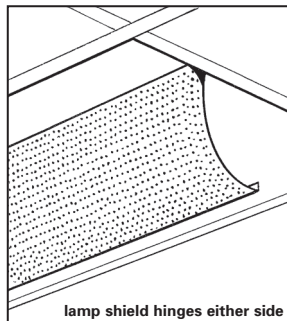
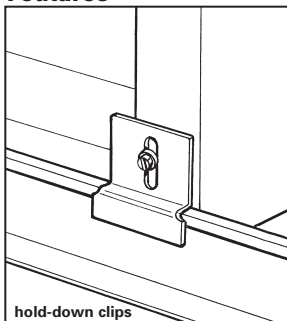
- Direct/indirect lamp shield appearance with soft contoured interior.
- Perforated mesh lamp shield with white acrylic overlay.
- 52.1% efficient (2 lamp T8).
- 55.7% efficient (2 lamp T5).
- Only 4-31/32" deep.
- Same fixture fits both G and T ceiling types.
- Fits flush to face of slot grid (T) ceiling.
- Air return standard (meets UL requirements).
- Lamp shield hinges from either side.
- Can be continuous row mounted.
- Wiring access plate standard.
- 2 earthquake clips standard.
- Housing is 20 gauge steel, meets NYC Code requirements.
- Construction to meet Chicago Plenum requirements is available.



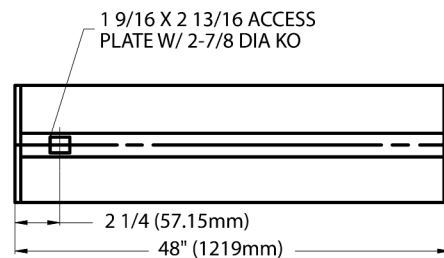
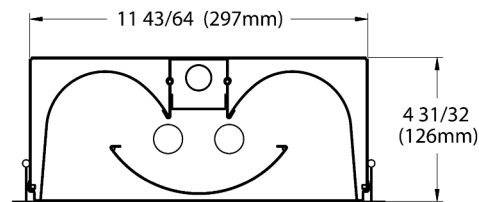
Mounting Methods



Features



Dimensions



Job Information Type:

Job Name:

Cat. No.:

Lamp(s):

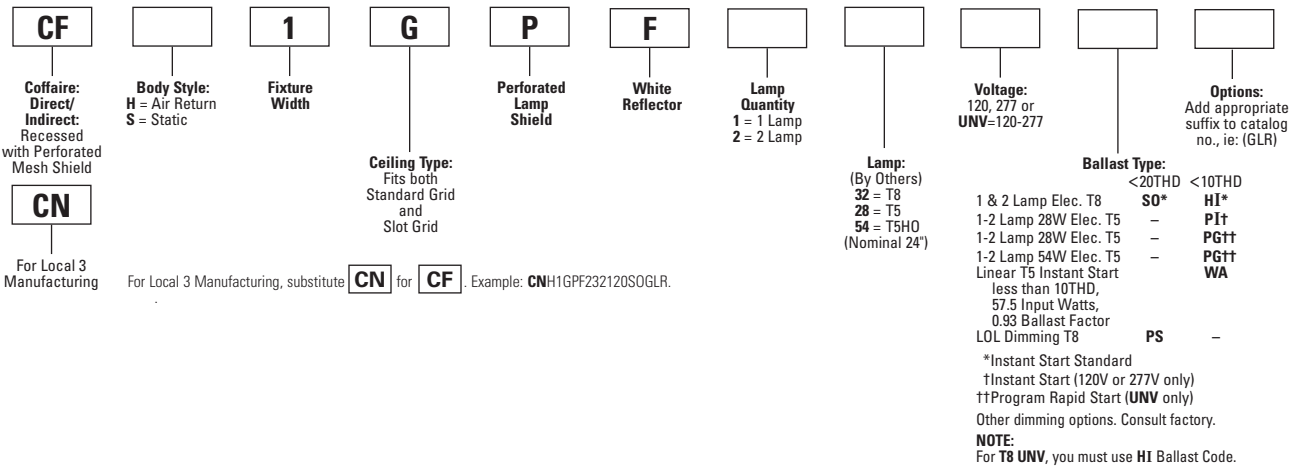
Volts/Ballast:

Coffaire Recessed Fluorescent CFH1GPF

Direct/Indirect – 1' x 4' with Perforated Basket
Air Return/Static, 1 Lamp or 2 Lamp T8 or T5

Ordering Information

Explanation of Catalog Number. Example: CFH1GPF232120SOGLR



Options/Accessories

Fusing: Internal fast blow fusing: SUFFIX: **A**.
Internal slow blow fusing: SUFFIX: **C**.
Drywall Kit: Order Catalog Number: **FK91X4**.
Electrical Wiring Options: Consult factory.

Specifications

Performance: In an installation of 2 lamp 32W 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** are die-formed 20 gauge steel.

Lamp Shield: 22 gauge steel perforated mesh lamp shield with white acrylic overlay.

Finish: **Chassis exterior** – baked white polyester enamel. **Cavity** – baked flat white polyester enamel. **Reflector** – baked flat white polyester enamel, minimum 86% reflectance. Rust preventative undercoating.

Lamp Shield – baked flat white polyester enamel.

Electrical: Thermally protected class “P” ballast C.B.M. approved, non PCB. If K.O. is within 3" of ballast, use wire suitable for at least 90°.

Labels: I.B.E.W./UL and ULc Listed.

This product may have a mercury containing lamp. Manage in accord with Disposal Laws. See: www.lamprecycle.org

Job Information

Type:

Coffaire Recessed Fluorescent CFH1GPF

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Direct/Indirect – 1' x 4' with Perforated Basket
Air Return/Static, 1 Lamp or 2 Lamp T8 or T5

Model No. CFH1GPF232120SO

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: CFH1GPF232120SO
Lamps: F32/T8 TL841
Luminaire: CFH 1' x 4' with perforated basket
Ballast: Triad B3321120
Report is based on 2850 Lumens per lamp.
Efficiency: 52.1%
CIE Type-Direct-Indirect
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	50	30	10
RW	70	50	30	10	50	30	10
1	57	55	52	51	50	48	49
2	52	48	44	45	42	40	43
3	47	42	38	40	36	34	38
4	44	37	33	35	32	29	34
5	40	34	29	32	28	25	31
6	37	30	26	29	25	22	28
7	34	27	23	26	22	20	26
8	32	25	21	24	20	18	23
9	30	23	19	22	18	16	21
10	28	21	17	21	17	14	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
90-180	0	0.0	0.0
0-180	2968	52.1	100.0

Model No. CFH1GPF228120WA

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

Report Number: G2005196
Catalog Number: CFH1GPF228120WA
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-Indirect
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	50	30	10
RW	70	50	30	10	50	30	10
1	61	58	56	54	53	51	52
2	55	51	47	48	45	42	46
3	50	45	40	42	39	36	41
4	46	40	35	37	34	30	36
5	43	35	30	34	30	26	33
6	39	32	27	30	26	23	29
7	36	29	24	28	24	21	27
8	34	26	22	25	21	18	25
9	32	24	20	23	19	17	23
10	30	22	18	22	18	15	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
90-180	0	0.0	0.0
0-180	2898	55.7	100.0



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CFH1GPF232-228-254 03/13

Job Information

Type:

Philips Lighting Company
200 Franklin Square Drive
Somerset, NJ 08873
Phone: 855-486-2216
www.philips.com/luminaires

Philips Lighting Company
281 Hillmount Road
Markham ON, Canada L6C 2S3
Phone: 800-668-9008
www.philips.com/luminaires