

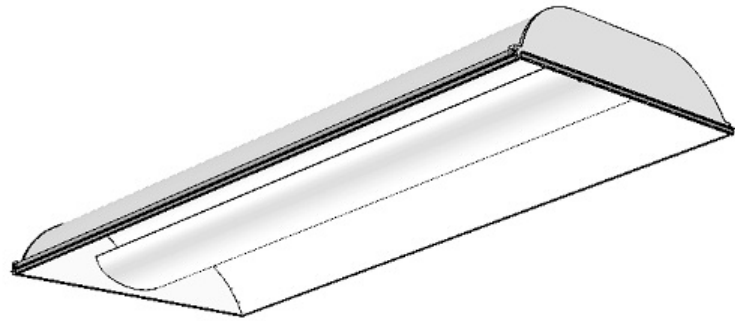
Coffaire HP CFS2GHP228 or 254

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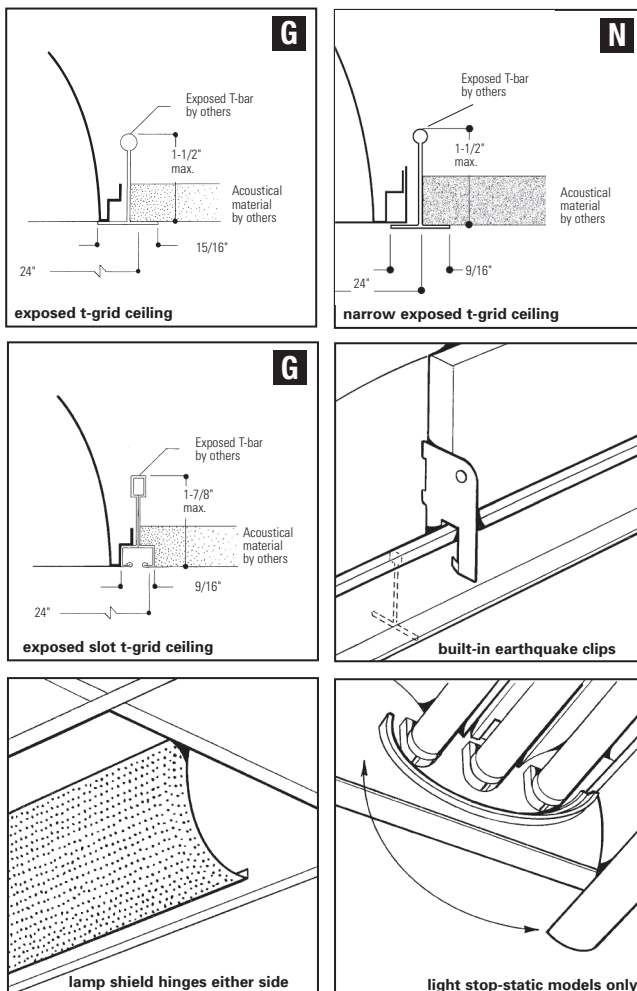
Direct/Indirect High Performance Recessed Fluorescent
2' x 4' with Perforated Basket ~ Static, 2 Lamp T5 or T5HO

Features

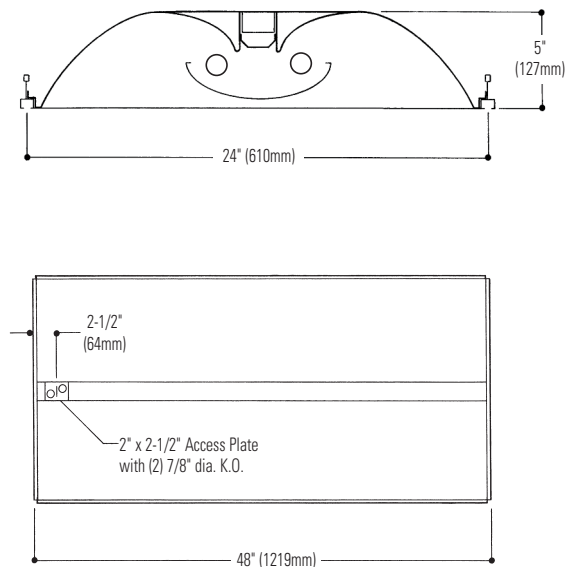
- Direct/indirect lamp shield appearance with soft contoured interior.
- Perforated mesh lamp basket with unique TransOptix lens.
- Body 95% reflective Flat White Powder Coated.
- 95% Internal Mirro reflector.
- 80.2% efficient (2 lamp T5, 28W).
- 80.7% efficient (2 lamp T5, 54W).
- Spacing to mounting ratio 1.3 for both T5 and T5HO Lamps.
- Only 5" deep.
- Tension screws secure ends to body.
- Same fixture fits both G and T ceiling.
- Fits flush to face of slot grid (T) ceiling.
- Injection molded light stop at basket ends.
- Perforated lamp shield hinges from either side.
- Ballast accessible thru lamp compartment from room side.
- Can be continuous row mounted.
- Wiring access plate standard.
- Construction to meet NYC Code or Chicago Plenum requirement is available.



Mounting Methods



Dimensions



Job Information Type:

Job Name:

Cat. No.:

Lamp(s):

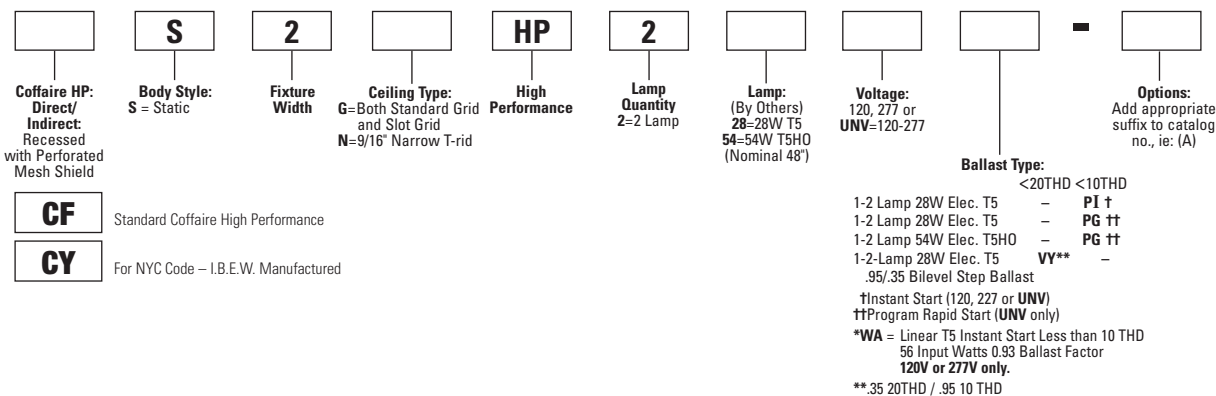
Volts/Ballast:

Coffaire HP CFS2GHP228 or 254

Direct/Indirect High Performance Recessed Fluorescent
2' x 4' with Perforated Basket ~ Static, 2 Lamp T5 or T5HO

Ordering Information

Explanation of Catalog Number. Example: CFS2GHP228UNVPG



Options/Accessories

Fusing: Internal fast blow fusing: SUFFIX: **A**.
Internal slow blow fusing: SUFFIX: **C**.
Drywall Kit: Order Catalog Number: **FK92X4**.
Electrical Wiring Options: Consult factory.
Chicago Plenum: SUFFIX: **C**.

Specifications

Performance: In an installation of 2 lamp 28W luminaires in a room cavity ratio of 1, with reflectance 80% ceiling, 50% wall, 20% floor, the C.U. shall not be less than .83. To reduce glare the average brightness at 65° shall not exceed 2223 candelas per square meter. To control veiling reflections, luminaire output in the 30°-90° zone shall not be less than 73.6%.

Materials: **Chassis parts** are die-formed code gauge steel.

Lamp Shield: 22 gauge steel perforated mesh lamp shield with unique TransOptix lens.

Finish: **Chassis exterior** – 95% reflective white baked polyester enamel. Rust preventative undercoating. **Cavity** – 95% reflective white baked polyester enamel. **Reflector** – 95% reflective Miro aluminum reflector. **Lamp Shield** – 95% reflective white baked 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°.

UL Listed for damp locations.

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 HP CFS2GHP228 or 254

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Direct/Indirect High Performance Recessed Fluorescent
2' x 4' with Perforated Basket ~ Static, 2 Lamp T5 or T5HO

Model No. CFS2GHP228120WA

LER = FP - 68.5 IW - 56.6 BF - 0.93
Comparative yearly lighting energy cost per
1000 lumens = \$3.50

Report Number: G2009044
Catalog Number: CFS2GHP228120WA
Lamps: (2) F28T5/835/ALTO PLPS
Luminaire: Coffaire HP 2'x4' with 95%
reflective white reflectors and
perforated basket.
Ballast: ST232-120-E Ultrasave
Report is based on 2600 Lumens per lamp.
Efficiency: 80.2%
CIE Type-Direct-Indirect
Plane: 0-Deg 90-Deg
Spacing Criteria: 1.2 1.3
Shielding Angles: 90 90
Plane: 0-Deg 90-Deg
Luminous Length: 46.920 22.920

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

RC	70	80	30	50	50	30	10	50	30	10
1	87	83	80	78	76	73	73	73	71	
2	79	73	67	68	64	60	66	62	59	
3	72	63	57	60	55	50	58	53	49	
4	66	56	49	53	47	43	51	46	42	
5	60	50	43	47	41	37	46	40	36	
6	56	45	38	43	37	32	41	36	32	
7	52	41	34	39	33	28	38	32	28	
8	48	37	30	35	29	25	34	29	25	
9	45	34	27	33	27	23	32	26	22	
10	42	31	25	30	24	20	29	24	20	

CANDELA DISTRIBUTION

	0.0	45.0	90.0	FLUX
0	1397	1397	1397	
5	1391	1392	1395	133
15	1334	1352	1369	382
25	1225	1270	1310	585
35	1070	1147	1213	716
45	874	987	1074	757
55	650	708	903	704
65	417	491	652	552
75	209	270	283	283
85	46	46	47	56
90	5	5	5	

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% FIXT
0- 30	1100	21.1	26.4
0- 40	1816	34.9	43.6
0- 60	3278	63.0	78.6
0- 90	4169	80.2	100.0
90-180	0	0.0	0.0
0-180	4169	80.2	100.0

LUMINANCE DATA IN CANDELA/SQ. METER

AVERAGE IN DEG.	AVERAGE 0-DEG.	AVERAGE 45-DEG.	AVERAGE 90-DEG.
45	1781.	2011.	2188.
55	1633.	1997.	2268.
65	1422.	1974.	2223.
75	1163.	1531.	1575.
85	760.	794.	777.

Model No. CFS2GHP254UNVPG

LER = FP - 58.6 IW - 121.1 BF - 1.00
Comparative yearly lighting energy cost per
1000 lumens = \$4.09

Report Number: G2009031
Catalog Number: CFS2GHP254UNVPG
Lamps: (2) FP54T5HO-835 Syl
Luminaire: Coffaire HP 2'x4' with 95%
reflective white reflectors and
perforated basket.
Ballast: QT2X54/120/PHO Sylvania
Report is based on 4400 Lumens per lamp.
Efficiency: 80.7%
CIE Type-Direct-Indirect
Plane: 0-Deg 90-Deg
Spacing Criteria: 1.2 1.3
Shielding Angles: 90 90
Plane: 0-Deg 90-Deg
Luminous Length: 46.920 22.920

CANDELA DISTRIBUTION

	0.0	45.0	90.0	FLUX
0	2375	2375	2375	
5	2361	2368	2375	225
15	2263	2292	2322	648
25	2073	2149	2219	991
35	1810	1942	2054	1213
45	1481	1675	1826	1284
55	1101	1355	1541	1199
65	708	990	1131	948
75	354	486	499	492
85	78	83	81	97
90	8	8	8	

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% FIXT
0- 30	1864	21.2	26.3
0- 40	3077	35.0	43.5
0- 60	5560	63.2	78.3
0- 90	7097	80.7	100.0
90-180	0	0.0	0.0
0-180	7097	80.7	100.0

LUMINANCE DATA IN CANDELA/SQ. METER

AVERAGE IN DEG.	AVERAGE 0-DEG.	AVERAGE 45-DEG.	AVERAGE 90-DEG.
45	3018.	3413.	3721.
55	2766.	3404.	3871.
65	2414.	3375.	3856.
75	1970.	2705.	2778.
85	1289.	1372.	1339.



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CFS2GHP228OR254 03/13

Job Information

Type:

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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
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