

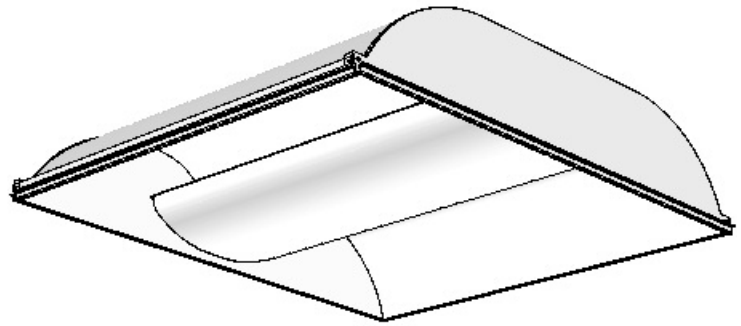
Coffaire HP CFS2GHP224 or 324

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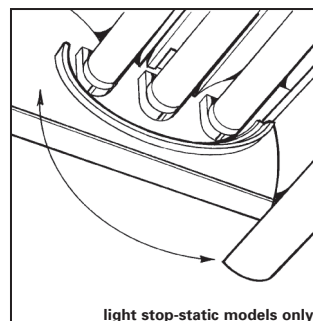
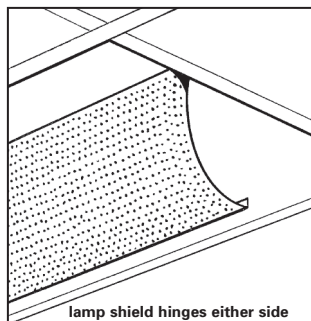
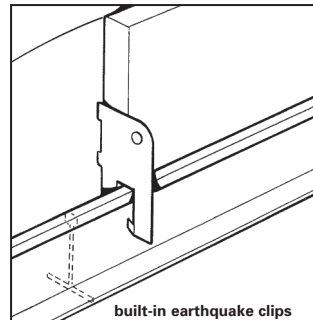
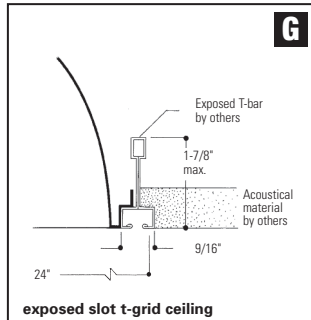
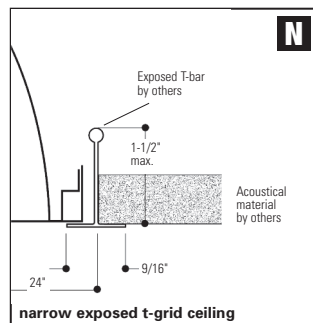
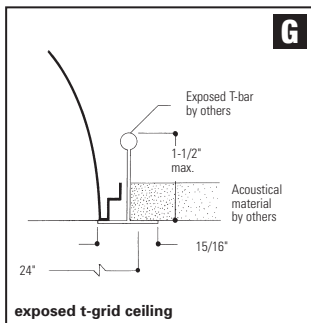
Direct/Indirect High Performance Recessed Fluorescent
2' x 2' with Perforated Basket ~ Static, 2 or 3 Lamp, T5HO

Features

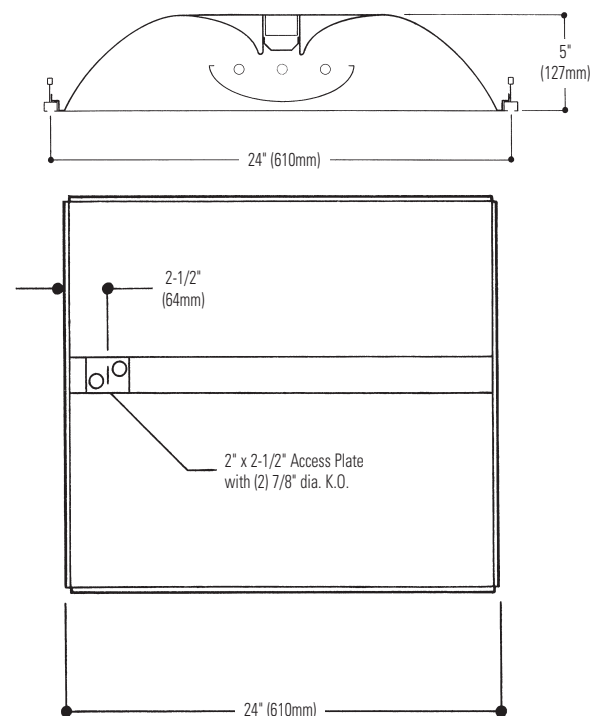
- Direct/indirect lamp shield appearance with soft contoured interior.
- Perforated mesh lamp basket with unique TransOptix lens.
- Body 95% reflective Flat White Powder Coated.
- 95% Internal Mirro reflector.
- 76.6% efficient (2 lamp T5HO).
- 65.4% efficient (3 lamp T5HO).
- Spacing to mounting ratio 1.4 (2 or 3 lamp T5HO).
- 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:

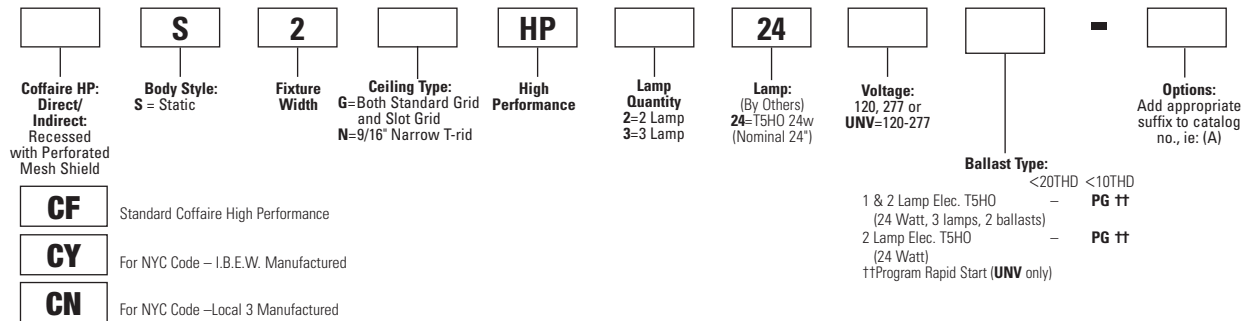
Coffaire HP CFS2GHP224 or 324

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High Performance Recessed Fluorescent Direct/Indirect
2' x 2' with Perforated Basket ~ Static, 2 or 3 Lamp, T5HO

Ordering Information

Explanation of Catalog Number. Example: CFS2GHP224UNVPG



Options/Accessories

Fusing: Internal fast blow fusing: SUFFIX: **A**.

Internal slow blow fusing: SUFFIX: **C**.

Drywall Kit: Order Catalog Number: **FK92X2**.

Electrical Wiring Options: Consult factory.

Chicago Plenum: SUFFIX: **C**.

Specifications

Performance: In an installation of 2 lamp 24W luminaires in a room cavity ratio of 1, with reflectance 80% ceiling, 50% wall, 20% floor, the C.U. shall not be less than .80. To reduce glare the average brightness at 65° shall not exceed 3155 candelas per square meter. To control veiling reflections, luminaire output in the 30°-90° zone shall not be less than 74%.

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 CFS2GHP224 or 324

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High Performance Recessed Fluorescent Direct/Indirect
2' x 2' with Perforated Basket ~ Static, 2 or 3 Lamp, T5HO

Model No. CFS2GHP224UNVPG

LER = FP - 51.1 IW - 52.8 BF - 1.00
Comparative yearly lighting energy cost per
1000 lumens = \$4.70

Report Number: G2009050
Catalog Number: CFS2GHP224UNVPG
Lamps: (2) F24/835/HO/ECO Syl
Luminaire: Coffaire HP 2'x2' with 95%
reflective white reflectors and
perforated basket.
Ballast: QTP-2X39-24 T5HO/UNV PSN SYL
Report is based on 1760 Lumens per lamp.
Efficiency: 76.6%
CIE Type-Direct-Indirect
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	80	50	30	10	50	30	10
RW	70	50	30	10	50	30	10
1	83	80	76	75	72	70	68
2	76	69	64	65	61	57	62
3	69	60	54	57	52	48	55
4	63	53	46	50	45	40	49
5	58	48	41	45	39	35	43
6	53	43	36	41	35	30	39
7	49	39	32	37	31	27	36
8	46	35	29	34	28	24	33
9	43	32	26	31	25	21	30
10	40	30	24	29	23	19	28

CANDELA DISTRIBUTION

	0.0	45.0	90.0	FLUX
0	891	891	891	
5	888	887	888	84
15	850	861	870	243
25	780	807	834	373
35	679	731	780	458
45	554	634	707	488
55	407	517	604	458
65	256	377	452	362
75	128	191	212	190
85	29	37	40	41
90	4	4	4	

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% FIXT
0- 30	700	19.9	26.0
0- 40	1158	32.9	43.0
0- 60	2104	59.8	78.0
0- 90	2697	76.6	100.0
90-180	0	0.0	0.0
0-180	2697	76.6	100.0

LUMINANCE DATA IN CANDELA/SQ. METER

AVERAGE IN DEG.	AVERAGE 0-DEG.	AVERAGE 45-DEG.	AVERAGE 90-DEG.
45	2311.	2645.	2949.
55	2093.	2659.	3106.
65	1787.	2631.	3155.
75	1459.	2177.	2416.
85	981.	1252.	1354.

Model No. CFS2GHP324UNVPG

LER = FP - 49.9 IW - 75.0 BF - 1.0
Comparative yearly lighting energy cost per
1000 lumens = \$4.81

Report Number: G2009049
Catalog Number: CFS2GHP324UNVPG
Lamps: (3) F24T5HO/835/Alto Pips
Luminaire: Coffaire HP 2'x2' with 95%
reflective white reflectors and
perforated basket.
Ballast: (2) B224PUNV-C Universal
Report is based on 1800 Lumens per lamp.
Efficiency: 65.4%
CIE Type-Direct-Indirect
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

CANDELA DISTRIBUTION

	0.0	45.0	90.0	FLUX
0	1180	1180	1180	
5	1176	1176	1178	112
15	1124	1141	1159	323
25	1027	1072	1117	495
35	890	969	1046	607
45	722	835	936	642
55	528	669	784	592
65	328	475	580	460
75	160	239	288	246
85	34	48	55	55
90	5	6	9	

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% FIXT
0- 30	929	17.2	26.3
0- 40	1537	28.5	43.5
0- 60	2770	51.3	78.4
0- 90	3532	65.4	100.0
90-180	0	0.0	0.0
0-180	3532	65.4	100.0

LUMINANCE DATA IN CANDELA/SQ. METER

AVERAGE IN DEG.	AVERAGE 0-DEG.	AVERAGE 45-DEG.	AVERAGE 90-DEG.
45	3012.	3483.	3904.
55	2715.	3440.	4032.
65	2289.	3315.	4048.
75	1823.	2724.	3282.
85	1151.	1624.	1861.

Job Information

Type:



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CFS2GHP224OR324 03/13

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