

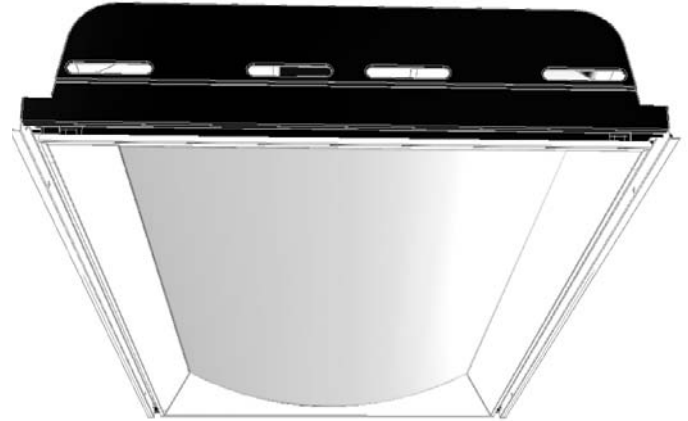
Opalescent OPS2GPW228 or 254

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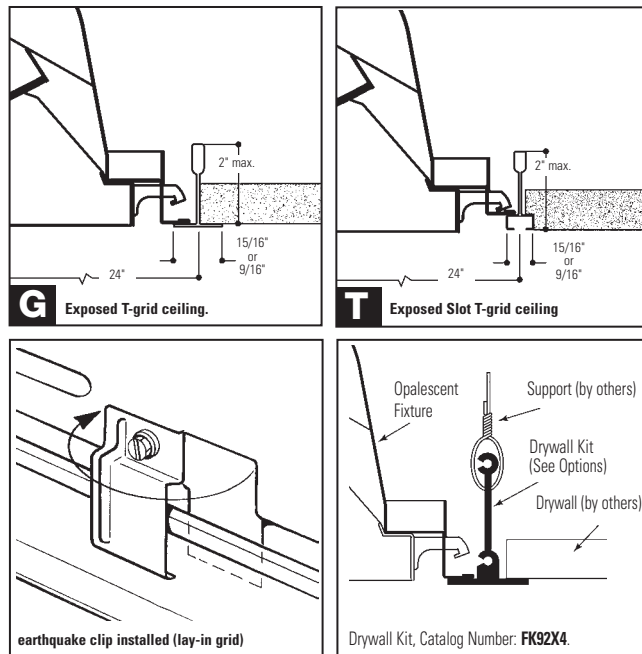
Direct/Indirect 2' x 4' Recessed Fluorescent with Contoured Lens Frame
Static or Air Supply/Return, 2 Lamp T5 or T5HO

Features

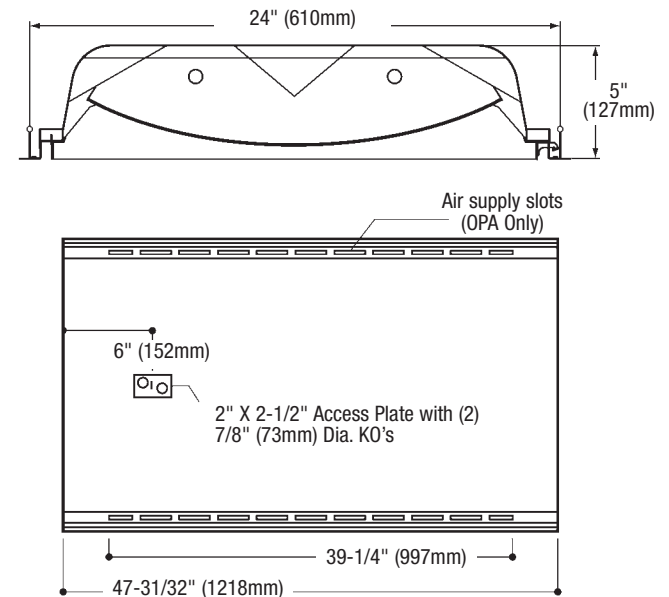
- Bold but simple 2-1/2" regressed frame with contoured lens.
- High light transmission frost white acrylic lens.
- True mitered corner lens frame.
- 86.8% efficient 2 Lamp 28 watt T5.
- 79.5% efficient 2 Lamp 54 watt T5HO.
- Internal reflector coated with 95% reflective white paint.
- 5" deep body.
- Black housing exterior for cooler ballast operating temperature.
- Eyeleted heat removal vents in fixture ends.
- Hemmed over side rails for maximum safety.
- Fixture ends turned-in for safe handling.
- Built-in earthquake clips.
- Door jamb finished black on four sides for positive light stop.
- Spring loaded rooster head latches.
- 18 gauge steel hinges.
- Construction to meet NYC Code Requirements or Chicago Plenum is available.



Mounting Methods



Dimensions



Job Information Type:

Job Name:

Cat. No.:

Lamp(s):

Volts/Ballast:

Opalescent OPS2GPW228 or 254

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Direct/Indirect 2' x 4' Recessed Fluorescent with Contoured Lens Frame Static or Air Supply/Return, 2 Lamp T5 or T5HO

Model No. OPA2GPW228UNVPG

LER = FP - 76.2 IW - 62.7 BF - 1.00
Comparative yearly lighting energy cost per
1000 lumens = \$3.15

Report Number: G2009125
Catalog Number: OPA2GPW228UNVPG
Lamps: (2) F28T5
Luminaire: Opalescent Recessed 2' x 4'
fixture with contoured lens frame.
Ballast: ICN-2S28
Report is based on 2750 Lumens per lamp.
Efficiency: 86.8%
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: 45.600 21.600

CANDELA DISTRIBUTION

	0.0	45.0	90.0	FLUX
0	1845	1845	1845	
5	1836	1837	1840	175
15	1754	1768	1782	499
25	1596	1631	1667	752
35	1367	1430	1482	893
45	1083	1168	1212	892
55	781	848	851	744
65	500	515	488	502
75	258	235	229	257
85	62	50	45	62
90	0	0	0	

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% FIXT
0- 30	1426	25.9	29.9
0- 40	2319	42.2	48.6
0- 60	3955	71.9	82.8
0- 90	4775	86.8	100.0
90-180	0	0.0	0.0
0-180	4775	86.8	100.0

LUMINANCE DATA IN CANDELA/SQ. METER

AVERAGE IN DEG.	AVERAGE 0-DEG.	AVERAGE 45-DEG.	AVERAGE 90-DEG.
45	2351	2536	2631
55	2090	2270	2278
65	1816	1871	1773
75	1530	1394	1358
85	1092	881	793

Model No. OPA2GPW254UNVPG

LER = FP - 63.5 IW - 115.0 BF - 1.00
Comparative yearly lighting energy cost per
1000 lumens = \$3.78

Report Number: G2009126
Catalog Number: OPA2GPW254UNVPG
Lamps: (2) F54T5HO
Luminaire: Opalescent Recessed 2' x 4'
fixture with contoured lens frame.
Ballast: ICN-2P54
Report is based on 4590 Lumens per lamp.
Efficiency: 79.5%
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: 45.600 21.600

CANDELA DISTRIBUTION

	0.0	45.0	90.0	FLUX
0	2817	2817	2817	
5	2803	2803	2808	267
15	2677	2699	2719	762
25	2434	2487	2542	1148
35	2085	2182	2259	1363
45	1655	1786	1853	1362
55	1195	1297	1311	1140
65	765	790	752	771
75	396	361	352	394
85	95	80	70	96
90	0	0	0	

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% FIXT
0- 30	2176	23.7	29.8
0- 40	3538	38.5	48.5
0- 60	6040	65.8	82.7
0- 90	7302	79.5	100.0
90-180	0	0.0	0.0
0-180	7302	79.5	100.0

LUMINANCE DATA IN CANDELA/SQ. METER

AVERAGE IN DEG.	AVERAGE 0-DEG.	AVERAGE 45-DEG.	AVERAGE 90-DEG.
45	3593	3878	4023
55	3198	3471	3509
65	2779	2870	2732
75	2349	2141	2088
85	1673	1409	1233

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

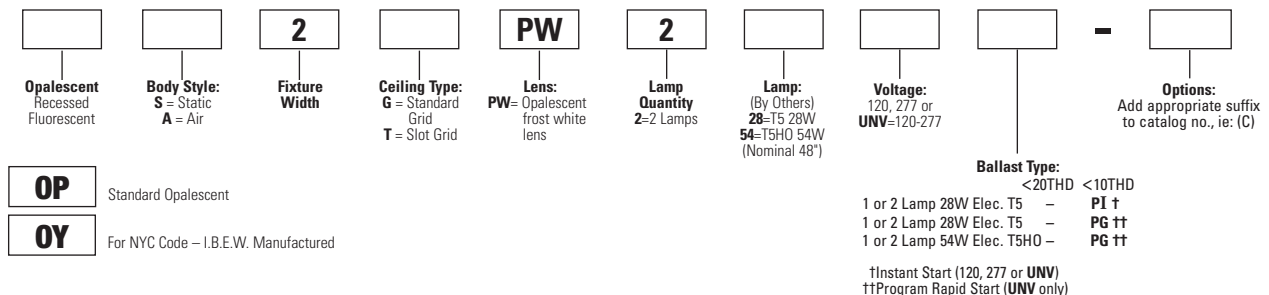
RC	80	50	30	10
1	95	91	88	85
2	87	80	74	75
3	79	71	64	67
4	73	63	55	60
5	67	56	49	54
6	62	51	43	48
7	58	46	39	44
8	54	42	35	40
9	50	39	32	37
10	47	36	29	34

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

RC	80	50	30	10
1	87	83	80	78
2	80	73	68	69
3	73	65	58	61
4	67	58	51	55
5	62	52	45	49
6	57	47	40	44
7	53	42	35	40
8	49	39	32	37
9	46	35	29	34
10	43	33	27	32

Ordering Information

Explanation of Catalog Number. Example: OPS2GPW228UNVPG



Options/Accessories

Air Closure Strip: SUFFIX: ACS4 (factory installed).

Drywall Kit: Order Catalog Number: FK92X4.

Fusing: Internal fast blow fusing: SUFFIX: A.
Internal slow blow fusing: SUFFIX: C.

Electrical Wiring Options: Consult factory.

For motion or light sensor: See Folio OA20-10 and OA20-30.

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 .91. To reduce glare the average brightness at 65° shall not exceed 1773 candelas per square meter. To control veiling reflections, luminaire output in the 30°-90° zone shall not be less than 70.1%.

Air Handling: (OPA only) side air passages for air supply or air return. Supply air is discharged vertically. Optional side closure strips. Air return is also provided through the lamp compartment through fixture body ends.

Materials: Chassis parts are die-formed code gauge cold rolled steel. Housing has side rails hemmed over and housing ends turned-in for safe handling.

Specifications (continued)

Finish: Chassis exterior—black baked polyester enamel. **Cavity**—white baked polyester enamel minimum 86% reflectance. Rust preventative undercoating. **Reflectors**—95% reflective white powder coated.

Lens: High light transmission frost white acrylic lens.

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. UL Listed for damp locations.

This product may have a mercury containing lamp.

Manage in accord with Disposal Laws.

See: www.lamprecycle.org

Job Information

Type:

For Factory Technical Information: (978) 657-7600 • Fax (978) 658-0595
631 Airport Road, Fall River, MA 02720 • (508) 679-8131 • Fax (508) 674-4710
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