

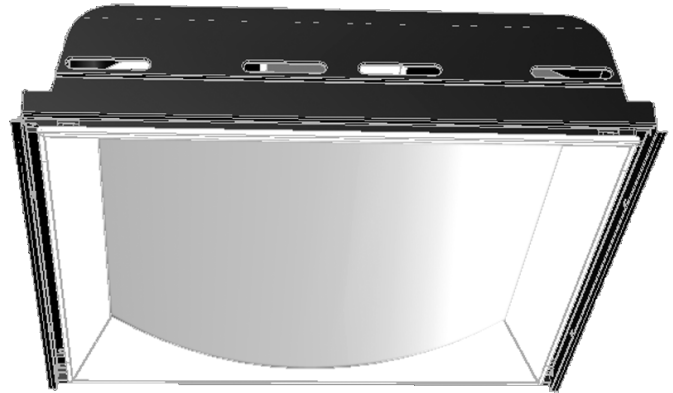
Opalescent OPS2GPW214 or 224

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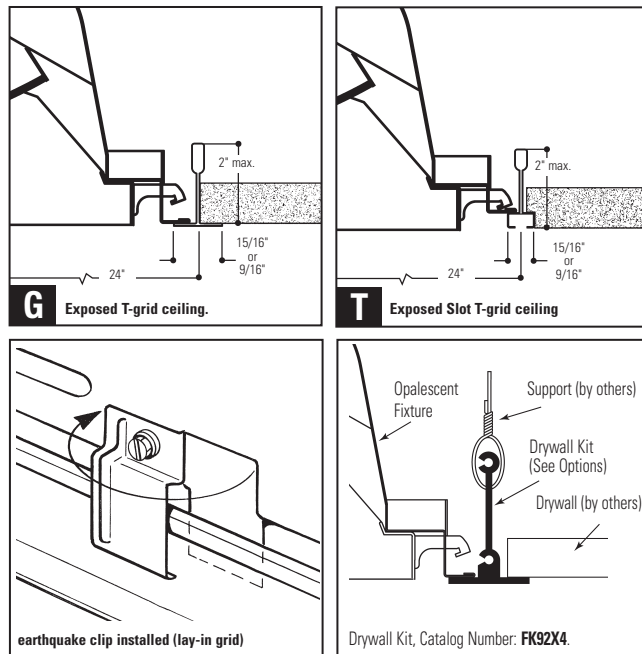
Direct/Indirect 2' x 2' Recessed Fluorescent with Contoured Lens Frame
Static or Air Supply/Return, 2 Lamp T5 or T5HO

Features

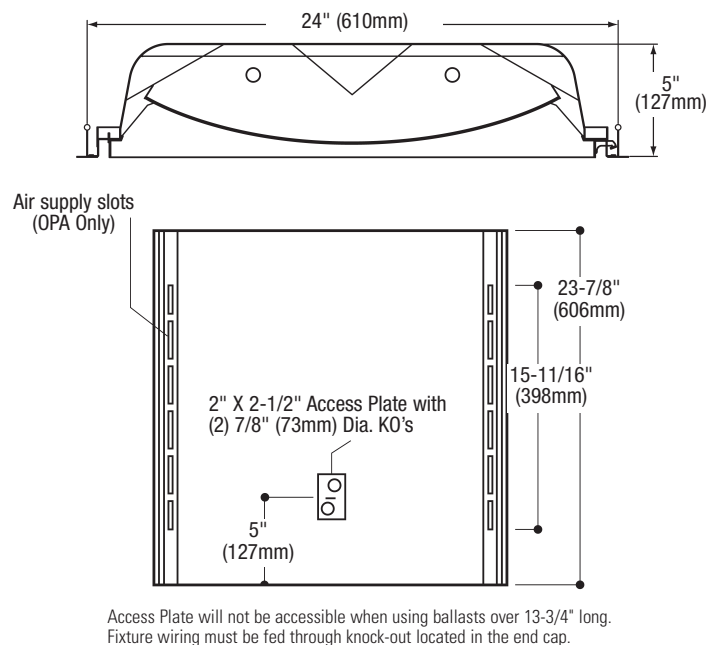
- Bold but simple 2-1/2" regressed frame with contoured lens.
- High light transmission frost white acrylic lens.
- True mitered corner lens frame.
- 75.6% efficient 2 Lamp 14 watt T5.
- 76.1% efficient 2 Lamp 24 watt T5HO.
- Internal reflector coated with 95% reflective white paint.
- 5" deep body.
- 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 (patent no. 5,072,344).
- 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 OPS2GPW214 or 224

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

Model No. OPA2GPW214UNVPG

LER = FP - 57.4 IW - 33.2 BF - 1.05
Comparative yearly lighting ene gy cost per
1000 lumens = \$4.18

Report Number: G2009137
Catalog Number: OPA2GPW214UNVPG
Lamps: (2) F14T5
Luminaire: Opalescent Recessed 2' x 2'
fixture with contoured lens frame.
Ballast: ICN-2M32-MC
Report is based on 1200 Lumens per lamp.
Efficiency: 75.6%
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: 21.600 21.600

CANDELA DISTRIBUTION

	0.0	45.0	90.0	FLUX
0	721	721	721	
5	719	717	717	68
15	683	688	694	194
25	616	632	648	291
35	519	549	577	343
45	400	442	472	338
55	279	315	333	278
65	171	188	191	183
75	84	87	89	93
85	17	22	18	24
90	0	0	0	

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% FIXT
0- 30	554	23.1	30.5
0- 40	897	37.4	49.5
0- 60	1513	63.0	83.4
0- 90	1814	75.6	100.0
90-180	0	0.0	0.0
0-180	1814	75.6	100.0

LUMINANCE DATA IN CANDELA/SQ. METER

AVERAGE IN DEG.	AVERAGE 0-DEG.	AVERAGE 45-DEG.	AVERAGE 90-DEG.
45	1818.	2008.	2145.
55	1563.	1765.	1865.
65	1300.	1429.	1452.
75	1043.	1080.	1105.
85	627.	811.	664.

Model No. OPA2GPW224UNVPG

LER = FP - 53.6 IW - 51.1 BF - 1.0
Comparative yearly lighting ene gy cost per
1000 lumens = \$3.35

Report Number: G2009135
Catalog Number: OPA2GPW224UNVPG
Lamps: (2) F24T5
Luminaire: Opalescent Recessed 2' x 2'
fixture with contoured lens frame.
Ballast: ICN-2S24
Report is based on 1800 Lumens per lamp.
Efficiency: 76.1%
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: 21.600 21.600

CANDELA DISTRIBUTION

	0.0	45.0	90.0	FLUX
0	1095	1095	1095	
5	1090	1088	1089	104
15	1035	1043	1053	295
25	930	956	983	441
35	782	829	874	519
45	602	668	716	511
55	419	474	504	418
65	258	281	288	276
75	125	131	134	139
85	25	32	26	36
90	0	0	0	

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% FIXT
0- 30	839	23.3	30.6
0- 40	1357	37.7	49.6
0- 60	2287	63.5	83.5
0- 90	2739	76.1	100.0
90-180	0	0.0	0.0
0-180	2739	76.1	100.0

LUMINANCE DATA IN CANDELA/SQ. METER

AVERAGE IN DEG.	AVERAGE 0-DEG.	AVERAGE 45-DEG.	AVERAGE 90-DEG.
45	2735.	3035.	3253.
55	2347.	2655.	2823.
65	1961.	2136.	2190.
75	1552.	1626.	1663.
85	922.	1180.	958.

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

RC	80	50	30
RW	70	50	30
1	83	79	76
2	76	70	65
3	69	62	56
4	64	55	49
5	59	49	43
6	54	45	38
7	50	40	34
8	47	37	31
9	44	34	28
10	41	31	26

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

RC	80	50	30
RW	70	50	30
1	83	80	77
2	76	70	65
3	70	62	56
4	64	55	49
5	59	50	43
6	55	45	38
7	51	41	34
8	47	37	31
9	44	34	28
10	42	32	26

Ordering Information

Explanation of Catalog Number. Example: OPS2GPW224UNVPG

OP	Body Style: S = Static A = Air	2	PW	2	Lamp: (By Other s) 14=T5 14W 24=T5HO 24W (Nominal 24")	Voltage: 120, 277 or UNV=120-277	Options: Add appropriate suffix to catalog no., ie: (C)
OP	Standard Opalescent						
OY	For NYC Code – I.B.E.W. Manufactured						
NP	For NYC Code – Local 3 Manufactured						

Options/Accessories

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

Drywall Kit: Order Catalog Number: FK92X2.

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 14W luminaires in a room cavity ratio of 1, with reflectance 80% ceiling, 50% wall, 20% floor, the C.U. shall not be less than .79. To reduce glare the average brightness at 65° shall not exceed 1452 candelas per square meter. To control veiling reflections, luminaire output in the 30°-90° zone shall not be less than 69.5%.

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
We reserve the right to change details of design, materials and finish.
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Section 5/Folio MA14-12 Rev A

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