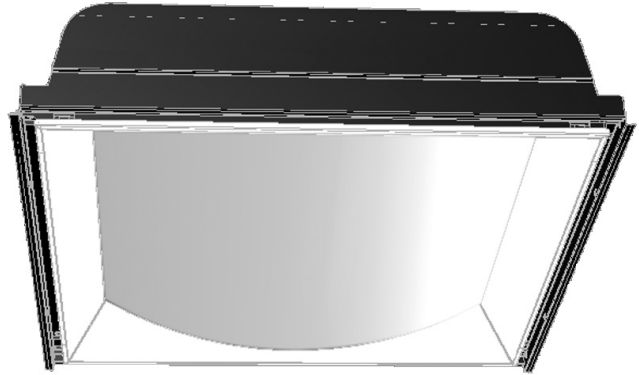
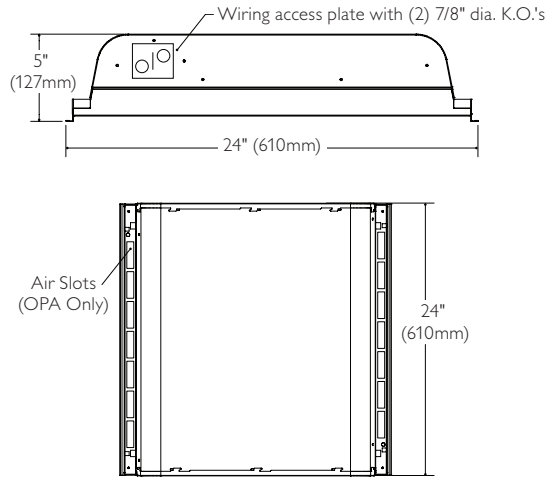




Opalescent

Recessed 2'X2' Luminaire, LED

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Ordering Information

Opalescent	Body Style	Fixture Size	Ceiling Type	Lens	Lumen Category	Color Temp.	Voltage	Driver Type	Options
OP		22		PW				LAG	
Direct-Indirect Recessed Luminaire	A = Air S = Static	22 = 2' X 2' (Nominal size)	G = Standard Grid T = Slot Grid	PW = High light transmission frost white acrylic lens.	25A = 2500 lumens 33A = 3300 lumens 38A = 3800 lumens 42A = 4200 lumens (Approximate delivered values. Consult IES file)	40 = 4000K 35 = 3500K	U = Universal 120-277V 3 = 347V (Please consult factory for 347V availability)	LAG = LED Driver Consult representative for dimming options	Add appropriate suffix to catalog no.

Features

- Bold but simple 2-1/2" regressed frame with contoured lens.
- High light transmission frost white acrylic lens.
- Can provide 48 initial footcandles at 0.56 watts per square foot.
- Delivers 3619 lumens with just 44.9 input watts.
- Field replaceable LED array and drivers accessible from below.
- Integrated thermal management system conducts heat away from LEDs and transfers it to the surrounding environment.
- Factory calibrated intelligent driver capable of providing various lumen outputs to balance energy savings with lighting application needs.
- High efficiency LEDs have 50,000 hour rated life at L₇₀.
- Predicted L₇₀ lifetime is based on LED manufacturer's supplied LM-80 data and in-situ laboratory testing.
- True mitered corner lens frame.
- Door jamb finished black on four sides for positive light stop.
- Spring loaded rooster head latches.
- 18 gauge steel hinges.
- 5" deep body.
- Black body to dissipate heat from LEDs.
- Earthquake/Hold-down clips.
- Hemmed over side rails for maximum safety.
- Five-year warranty on luminaire, LED boards and driver.

Job Information	Type:
Job Name:	
Cat. No.:	
Notes:	



Opalescent

Recessed 2'X2' Luminaire, LED

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Specifications

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

Air Handling: (OPA only) side air passages for air supply or air return.

Finish: Chassis exterior—black baked polyester enamel.

Cavity—white baked polyester enamel minimum 95% reflectance. Rust preventative undercoating.

Lens: PW—High light transmission frost white acrylic lens.

Electrical: LED boards and drivers are RoHS (Restriction of Hazardous Substances) compliant. For dimming options consult factory.

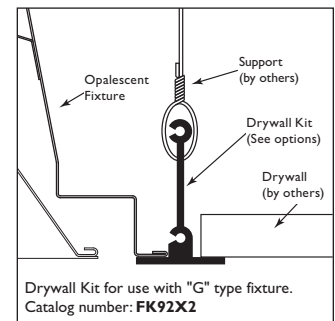
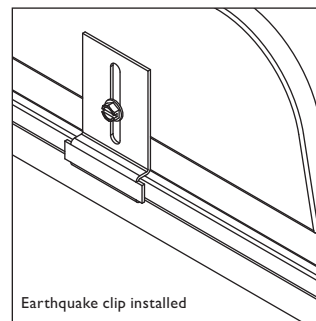
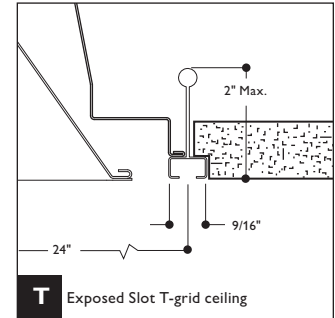
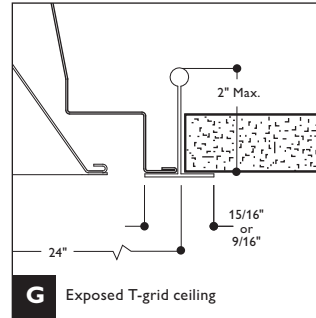
Labels: I.B.E.W. UL and cUL Listed. UL listed for damp locations.

Options/Accessories

Electrical Wiring Options: Consult factory.

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

Mounting Methods



Job Information Type:



Opalescent

Recessed 2'X2' Luminaire, LED

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Photometry

Report Number¹: G2011090
 Catalog Number: OPS22GPW38A40ULAG
 Delivered Lumens: 3619
 Correlated Color Temp.²: 4014K
 Input Watts: 44.9
 Efficacy: 80.6 lm/w
 CRI: 84.4
 Lamp: LED
 Luminaire: Opalescent Recessed LED 2' x 2' fixture with contoured lens frame.
 CIE Type: Direct/Indirect
 Plane: 0-Deg. 90-Deg.
 Shielding Angles: 90 90
 Plane: 0-Deg. 90-Deg.
 Luminous Length: 21.600 21.600

Candela Distribution

Vertical Angle	Horizontal Angle			Zonal Lumens
	0	45	90	
0	1532	1532	1532	
5	1519	1522	1526	145
15	1433	1446	1457	408
25	1276	1302	1327	600
35	1060	1103	1140	689
45	808	866	906	664
55	558	611	637	541
65	338	370	371	360
75	160	170	164	177
85	29	29	25	36
90	0	0	0	

¹ Tested using absolute photometry as specified in LM79: IESNA Approved Method for the Electrical and Photometric Measurements of Solid-State Lighting Products.

² Correlated Color Temperature within specs as defined in ANSI/NEMA/ANSI C78.377-2008: Specifications for the Chromaticity of Solid State Lighting Products.

Coefficients of Utilization

Ceiling	80%			50%			30%		
	70	50	30	50	30	10	50	30	10
RC	Zonal Cavity Method								
RW	Effective Floor Reflectance = 20%								
1	110	105	102	99	96	93	95	93	91
2	101	93	87	88	83	78	84	80	77
3	92	82	75	78	72	67	75	70	66
4	85	73	65	70	63	58	67	62	57
5	78	66	57	63	56	50	61	55	50
6	72	60	51	57	50	44	55	49	44
7	67	54	46	52	45	40	51	44	39
8	63	50	42	48	41	36	47	40	35
9	59	46	38	44	37	32	43	37	32
10	55	42	35	41	34	29	40	34	29

Average Luminance data in candela / sq. meter

Angle	0°	45°	90°
45	3795.	4067.	4255.
55	3231.	3538.	3688.
65	2656.	2908.	2915.
75	2053.	2181.	2104.
85	1105.	1105.	953.

Zonal Lumen Summary*

Zone	Lumens	% Lamp	% Fixt.
0- 30	1152	31.8	31.8
0- 40	1841	50.9	50.9
0- 60	3047	84.2	84.2
0- 90	3619	100.0	100.0
0-180	3619	100.0	100.0

*Total Efficiency

Additional Ordering Information

Catalog Number	Delivered Lumens	Input Watts	Lumens per Watt	Average initial 8'X8' footcandles	8'X8' Watts per sq. foot	Average initial 8'X10' footcandles	8'X10' Watts per sq. foot
OPS22GPW25A40ULAG	2553	30.4	84.0	42	0.48	34	0.38
OPS22GPW33A40ULAG	3167	38.4	82.5	52	0.60	42	0.48
OPS22GPW38A40ULAG	3619	44.9	80.6	59	0.70	48	0.56
OPS22GPW42A40ULAG	4140	52.8	78.4	68	0.83	55	0.66



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Job Information Type: