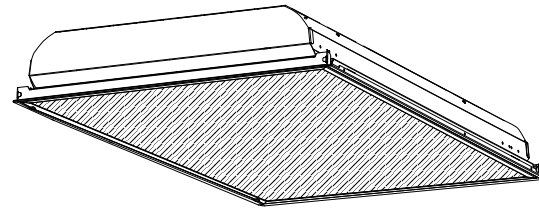
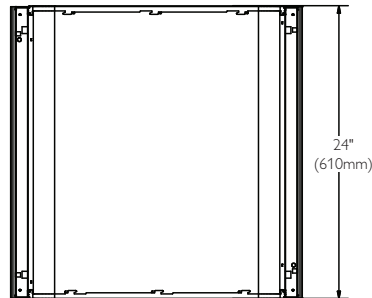
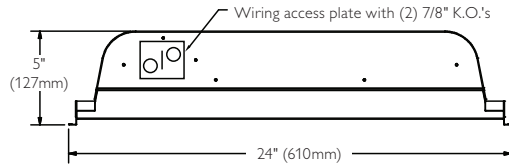


Recessed 2'X2' Luminaire, LED

Page 1 of 3



Project: _____
 Location: _____
 Catalog No: _____
 Fixture Type: _____
 Mfg: _____
 Notes: _____

Ordering Information

SpecPlus	Body Style	Fixture Size	Ceiling Type	Lens Frame	Lens Shielding	Lumen Category	Color Temp	Voltage	Driver Type	Options
SP	S	22	G				40	U	LAG	-
Recessed Luminaire	S = Static	22 = 2' X 2' (Nominal size)	G = 9/16" or 15/16" Grid	FS = Flat steel frame FA = Flat aluminum frame RA = Regressed aluminum frame	KA = 0.156 Prismatic acrylic lens VA = 0.095 Prismatic acrylic lens	25A = 2500 lumens 33A = 3300 lumens 38A = 3800 lumens 42A = 4200 lumens (Approximate delivered values. Consult IES file)	40 = 4000K Consult representative for other color temperature options. (Approximate values. Consult IES file)	U = Universal 120-277v	LAG = LED Driver Consult representative for dimming options	Add appropriate suffix to catalog no., i.e.: (C)

Features

- Prismatic acrylic lens.
- Flat steel door frame with 500 square inch lens opening.
- Can provide 52 initial footcandles at 0.56 watts per square foot.
- Delivers 3860 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.
- 5" deep body.
- Earthquake/Hold-down clips.
- Hemmed over side rails for maximum safety.
- Spring loaded rooster head latches.
- Not for continuous row mounting.
- Five-year warranty on luminaire, LED boards and driver.



PHILIPS
Day-Brite

PHILIPS
CFI

Recessed 2'X2' Luminaire, LED

Page 2 of 3

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.

Finish: Chassis exterior—white baked polyester enamel.

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

Lens Frame: **FS**—flat full-size steel frame, **FA**—flat full-size extruded aluminum frame, **RA**—regressed full-sized extruded aluminum frame.

Lenses: **KA**—extruded virgin acrylic .156" nominal thickness, similar to pattern 19. **VA**—extruded virgin acrylic, 3/16" square based female cones, running 45° to the panel edge, .095" nominal thickness, similar to pattern 12.

Electrical: LED boards and drivers are RoHS (Restriction of Hazardous Substances) compliant. For dimming options Philips Lighting representative.

Labels: I.B.E.W. UL and ULc Listed.

Options/Accessories

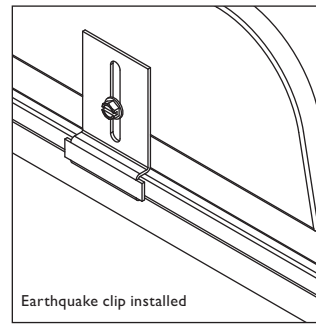
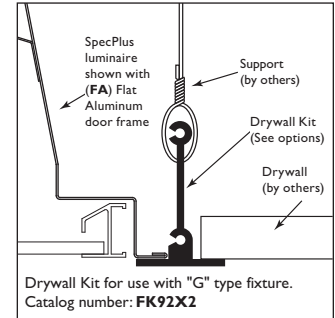
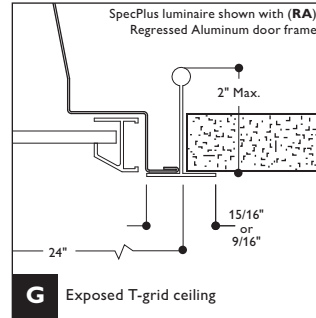
Electrical Wiring Options: Consult factory.

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

Fusing: Internal fast blow fusing: Suffix: **A**.
Internal slow blow fusing: Suffix: **C**.

Chicago Plenum: Suffix: **C**.

Mounting Methods



Recessed 2'X2' Luminaire, LED

Photometry

Report Number¹: G2011108
 Catalog Number: SPS22GFSKA38A40ULAG
 Delivered Lumens: 3621
 Correlated Color Temp.²: 4014K
 Input Watts: 44.9
 Efficacy: 80.6 lm/w
 CRI: 84.4
 Lamp: LED
 Luminaire: 2' x 2' Specplus LED with flat steel door frame and acrylic prismatic lens
 CIE Type: Direct/Indirect
 Plane: 0-Deg. 90-Deg.
 Shielding Angles: 90 90
 Plane: 0-Deg. 90-Deg.
 Luminous Length: 22.800 22.800

Candela Distribution

Vertical Angle	Horizontal Angle			Zonal Lumens
	0	45	90	
0	2017	2017	2017	
5	1988	1994	2000	189
15	1865	1883	1904	532
25	1659	1692	1737	782
35	1364	1392	1456	870
45	810	766	746	616
55	290	400	254	325
65	98	153	86	161
75	91	61	85	107
85	33	35	35	40
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 Wall	80%			50%			30%		
	70	50	30	50	30	10	50	30	10
RC	Zonal Cavity Method								
RW	Effective Floor Reflectance = 20%								
1	111	107	104	101	98	96	97	95	93
2	103	96	91	91	87	83	88	85	82
3	96	87	80	83	77	73	80	76	72
4	89	79	72	75	69	65	73	68	64
5	83	72	64	69	63	58	67	62	57
6	77	66	58	63	57	52	62	56	52
7	72	61	53	58	52	47	57	51	47
8	68	56	48	54	47	43	53	47	43
9	64	52	44	50	44	39	49	43	39
10	60	48	41	47	40	36	46	40	36

Zonal Lumen Summary*

Zone	Lumens	% Lamp	% Fixt.
0-30	1502	41.5	41.5
0-40	2372	65.5	65.5
0-60	3314	91.5	91.5
0-90	3621	100.0	100.0
0-180	3621	100.0	100.0

*Total Efficiency

Additional Ordering Information

Flat Steel/Aluminum Door Frame with KA Lens

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
SPS22GFSKA25A40ULAG	2565	30.4	84.4	43	0.48	35	0.38
SPS22GFSKA33A40ULAG	3158	38.3	82.5	53	0.60	43	0.48
SPS22GFSKA38A40ULAG	3621	44.9	80.6	61	0.70	50	0.56
SPS22GFSKA42A40ULAG	4140	52.8	78.4	70	0.83	57	0.66

Flat Steel/Aluminum Door Frame with VA Lens

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
SPS22GFSVA25A40ULAG	2722	30.4	89.5	45	0.48	36	0.38
SPS22GFSVA33A40ULAG	3362	38.4	87.6	55	0.60	45	0.48
SPS22GFSVA38A40ULAG	3841	44.9	85.5	63	0.70	52	0.56
SPS22GFSVA42A40ULAG	4397	52.8	83.3	73	0.83	59	0.66

Regressed Aluminum Door Frame with KA Lens

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
SPS22GRAKA25A40ULAG	2598	30.4	85.5	44	0.48	35	0.38
SPS22GRAKA33A40ULAG	3194	38.3	83.4	54	0.60	44	0.48
SPS22GRAKA38A40ULAG	3681	44.9	82.0	62	0.70	50	0.56
SPS22GRAKA42A40ULAG	4199	52.8	79.5	71	0.83	58	0.66

Regressed Aluminum Door Frame with VA Lens

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
SPS22GRAVA25A40ULAG	2729	30.4	89.8	45	0.48	37	0.38
SPS22GRAVA33A40ULAG	3358	38.3	87.7	55	0.60	45	0.48
SPS22GRAVA38A40ULAG	3860	44.9	86.0	64	0.70	52	0.56
SPS22GRAVA42A40ULAG	4397	52.8	83.3	73	0.83	59	0.66

