Metalux AP

DESCRIPTION

SP is our newest LED panel series which offer customers with premium performance and excellent installation flexibility. Developed with Eaton Lighting's latest generation of solid state lighting and electronic driver technologies for optimal performance and energy savings. With refined visual optics and premium housing with rounded edges, this LED panel light offers premium features more aligned with high end luminaires.

Suitable for recessed, suspended, surface or wall mounting applications, this LED panel series is an excellent lighting solution for commercial office spaces, schools, hospitals and retail merchandising aress.

Catalog #		Type	
Project			
Comments		Date	
Prepared by			

SPECIFICATION FEATURES

Construction
Rigid housing with die formed bezel and back produced from code gauge. Tapered edges on bezel frame provides refined finish. Integral recessed and suspended clips located on the back offer easy installation features for quick mounting. With an ultra-thin design, less than 1 inch in depth, Surface LED panel eliminates issues with shallow plenums and low ceilings.

Controls
The SP is equipped standard with a 0-10V continuous dimming driver that works with any standard 0-10V control/dimmer. Combine with energy-saving products like occupancy sensors, daylighting controls, and lighting relay panels to maximize energy savings.

Electrical
Long-Life LED system coupled with electrical driver to deliver optimal performance. LED's available in 3500K or 4000K with typical CRI 80+. Projected life is 50,000 hours at 70% lumen output. cULus listed. Electronic drivers are available for 120-277V applications. A 0-10V dimming driver is standard.

Emergency Battery Pack Option
Remote battery pack with AC inverter.

Finish
Multistage, iron phosphate pretreatment ensures maximum bonding and rust inhibition. Surface LED panel offers a standard post painted providing a premium aesthetic.

Hinging/Latching
Integral clips for either recessed or suspended applications. Suspended 4 point aircraft cable accessory is optional. Surface LED panel also has the ability to be surface or wall mounted. With a uniquely designed surface locking ring, this LED panel can be mounted on most any surface.

Frame/Optical Shielding
Uniform, evenly illuminated surface. White frost lens with smooth pattern.

Compliance
Modules are UL recognized components and indoor luminaires are cULus listed for 25℃ ambient environments, RoHS compliant, damp location listed, and LED modules comply with IESNA LM-79 and LM-80 standards.
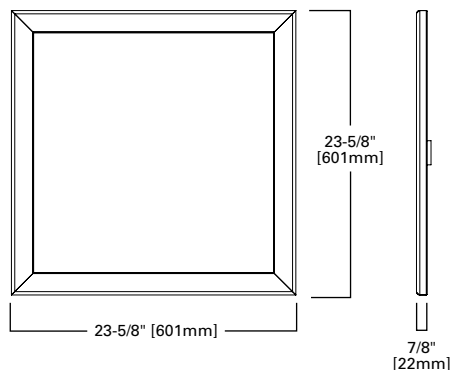
22SP
LED

2' X 2' LED ULTRA THIN PANEL

Surface / Recessed LED Panel
Suitable for insulated ceiling, surface mount or suspended applications

23-5/8" [601mm]

23-5/8" [601mm]

7/8" [22mm]

Catalog Number	Product Description
22SP3435RT	2' x 2', Flat LED Panel, 3400 lumen, 3500K, 0 to 10V
22SP4240RT	2' x 2', Flat LED Panel, 4200 lumen, 4000K, 0 to 10V

Accessories

Catalog Number	Product Description
FPSUS2	4 Point Suspension Kit w/ power cable
SP-SURDSKFKIT	Surface disk ring for SP Panel

WATTAGE

Lumens Package	Wattage
3400	32W

F·A·T·O·N
Powering Business Worldwide

PHOTOMETRICS
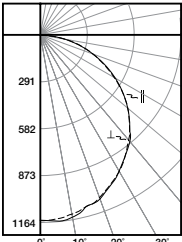
22SP3435RT

Electronic Driver

Linear LED 3500K

Spacing criterion: (II) 1.26 x mounting height, (⊥) 1.26 x mounting height

Lumens: 3328.6

Input Watts: 33.6W

Efficacy: 99.1 lm/W

Test Report: 22SP3435RT.IES

Candlepower

Angle	Along ‖	45°	Across ⊥
0	1156	1156	1156
5	1164	1153	1151
10	1149	1136	1125
15	1104	1095	1098
20	1082	1073	1074
25	1028	1029	1033
30	973	972	979
35	914	921	919
40	860	853	855
45	778	777	779
50	701	697	701
55	614	609	613
60	515	514	513
65	423	415	421
70	322	320	321
75	225	222	224
80	131	129	129
85	53	52	52
90	0	0	0

Coefficients of Utilization

rc	80%				70%				50%			30%			10%			0%
rw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84
2	99	90	83	78	96	88	82	77	85	80	75	82	77	73	79	75	72	69
3	90	79	71	64	87	78	70	64	75	68	63	72	66	62	69	65	61	58
4	82	70	61	54	80	69	60	54	66	59	53	64	58	53	62	56	52	50
5	76	63	53	47	73	61	53	47	59	52	46	57	51	45	55	50	45	43
6	70	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	39	37
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33
8	60	47	38	32	59	46	38	32	44	37	32	43	36	32	42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	29	40	33	28	39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24

Effective floor cavity reflectance 20%

Zonal Lumen Summary

Zone	Lumens	% Fixture
0-30	897	27.0
0-40	1472	44.2
0-60	2616	78.6
0-90	3329	100.0
0-180	3329	100.0

Luminance Data

Angle in Deg	Average 0-Deg cd/sm	Average 45-Deg cd/sm	Average 90-Deg cd/sm
45	3867	3862	3872
55	3762	3732	3756
65	3515	3451	3501
75	3055	3015	3042
85	2137	2097	2097

SHIPPING DATA

Catalog No.	Wt.	Pallet
2′ x 2′	13 lbs.	56