

2x2 Panel Light Series



ProLED® 2x2 Panel Lights are energy efficient alternatives - only 35W delivering up-to 3100 lumens - to Linear Fluorescent recessed fixtures. Our direct backlit design coupled with superior LED technology delivers consistent color and CRI for a uniform installation and improves lumen maintenance for long useful rated life. ProLED 2x2 Panel Light offers 0-10V dimming standard with low voltage leads supplied in the remote driver. Applications include offices, conference rooms, hallways, schools, healthcare, hospitality and retail. ProLED Panel Light Series is backed by a 5-Year Warranty.

Performance Specifications

CRI _____	82	Min. Start Temp. _____	-40°C (-40°F)
Rated Life _____	50,000 hour life	Max. Operating Temp. _____	40°C (104°F)
Watt _____	35W	Power Factor _____	>90%
Lumens _____	2975 (3500K), 3000 (4000K), 3100 (5000K)	THD _____	<20%
Lumens per Watt (LPW) _____	85 (3500K), 86 (4000K), 88 (5000K)	Warranty _____	5-year Limited
Input Line Voltage _____	120-277V	Control _____	0-10V Dimmable
Input Line Frequency _____	50/60 Hz	Weight _____	9.5 lbs.

Energy Savings

System	Ballast Factor	System Wattage	Replacement LED	Wattage	Energy Savings
2 Lamp FB32	0.88	59	22PNL35/8XX/LED	35	40.7%

Construction

- Direct backlit design for uniform light distribution
- Premium milk white lens for smooth, even light distribution
- Powder coated, stamped steel housing
- Remote driver enclosure with multiple 3/4" knockouts for easy access
- Lightweight 9.5 lbs. construction
- Rated for dry locations
- Rated for non-IC applications

Installation

- Fast access terminal block for easy thru-wire
- Designed for recessed installation in suspended T-grid ceilings
- Remote mount driver housing with 12" flexible cord
- Lay in or suspended mounting

Electrical

- ETL Listed
- 100V-277V input range
- 50/60 Hz input frequency
- 0 -10V dimming standard*
- Power Factor >90%
- 0.31A @ 120V / 0.13A @ 277V

* It is recommended that no more than 20 fixtures be installed per dimming circuit, and that the fixtures are located no more than 60 feet apart. This load quantity may vary based on the dimming system used.

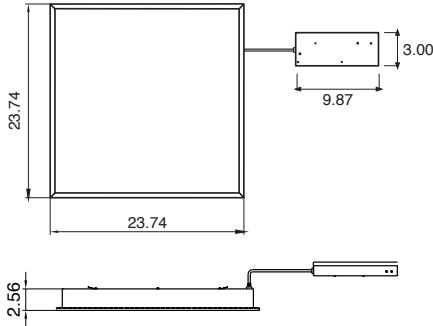


Ordering Information

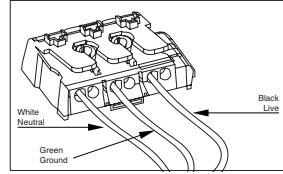
Watt	Product #	Product Code	Volts	Color Temp.	CRI	Lumen Output	Useful Life*	Beam Spread	Dimmable	DLC Listed	Equivalent Wattage
35	80918	22PNL35/835/LED	100~277V	3500K	82	2975	50000	120°	0-10V	Yes	(2) 32W
35	80900	22PNL35/840/LED	100~277V	4000K	82	3000	50000	120°	0-10V	Yes	(2) 32W
35	80901	22PNL35/850/LED	100~277V	5000K	82	3100	50000	120°	0-10V	Yes	(2) 32W

* Useful Life is defined as the point in time at which the lamp will maintain at least 70% of its initial lumens. The lamp will continue to operate past this point at decreased light levels. May not be compatible with all dimming systems, dimming performance may vary by system.

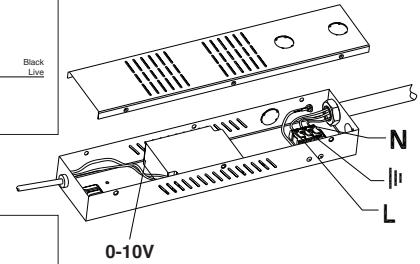
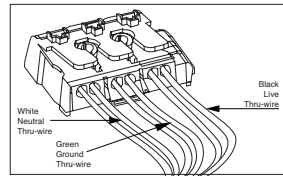
Dimensions



Wiring Diagram

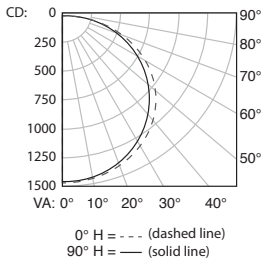


Thru-wire



Photometrics

80918, 22PNL35/835/LED



Coefficients of Utilization

Effective Floor Cavity Reflectance 0.20

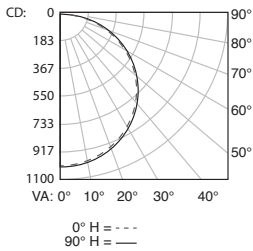
RC	80			70			50		
RW	70	50	30	50	30	10	50	30	10
0	119	119	119	116	116	116	111	111	111
1	108	104	99	101	97	93	97	94	91
2	98	90	83	88	82	76	84	79	74
3	89	79	70	77	69	63	74	67	62
4	82	70	61	68	60	53	66	58	53
5	75	62	53	61	52	46	59	51	45
6	69	56	46	55	46	40	53	45	39
7	64	50	41	50	41	35	48	40	35
8	59	45	37	45	37	31	44	36	31
9	55	42	33	42	34	28	40	33	28
10	52	38	30	38	31	25	37	30	25

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixt
0-30	752.60	26.10	26.10
0-40	1243.17	43.10	43.10
0-60	2239.16	77.60	77.60
0-80	2826.56	97.90	97.90
0-90	2882.97	99.90	99.90

Total Luminaire Efficiency = 100.00%

80900, 22PNL35/840/LED



Coefficients of Utilization

Effective Floor Cavity Reflectance 0.20

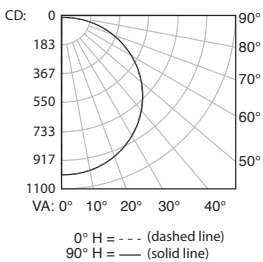
RC	80			70			50		
RW	70	50	30	50	30	10	50	30	10
0	119	119	119	116	116	116	111	111	111
1	108	104	99	101	97	94	97	94	91
2	98	89	82	88	82	76	84	79	74
3	89	79	70	77	69	63	74	67	62
4	82	70	61	68	60	53	66	58	53
5	75	62	53	61	52	46	59	51	45
6	69	56	47	55	46	40	53	45	40
7	64	50	42	50	41	35	48	40	35
8	60	46	37	45	37	31	44	36	31
9	56	42	34	42	34	28	40	33	28
10	52	39	31	38	31	25	37	30	25

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixt
0-30	792.10	26.10	26.10
0-40	1308.36	43.10	43.10
0-60	2356.13	77.60	77.60
0-80	2973.78	97.90	97.90
0-90	3032.92	99.90	99.90

Total Luminaire Efficiency = 100.00%

80901, 22PNL35/850/LED



Coefficients of Utilization

Effective Floor Cavity Reflectance 0.20

RC	80			70			50		
RW	70	50	30	50	30	10	50	30	10
0	119	119	119	116	116	116	111	111	111
1	108	104	99	101	97	94	97	94	91
2	98	90	83	88	82	76	84	79	74
3	89	79	70	77	69	63	74	67	62
4	82	70	61	68	60	53	66	58	53
5	75	62	53	61	52	46	59	51	45
6	69	56	47	55	46	40	53	45	40
7	64	50	42	50	41	35	48	40	35
8	60	46	37	45	37	31	44	36	31
9	56	42	34	42	34	28	40	33	28
10	52	39	31	38	31	25	37	30	25

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixt
0-30	792.77	26.10	26.10
0-40	1309.41	43.10	43.10
0-60	2358.03	77.60	77.60
0-80	2939.88	96.80	96.80
0-90	3035.44	99.90	99.90

Total Luminaire Efficiency = 100.00%

Surface Mount Kit for 2x2 Panel Light Series

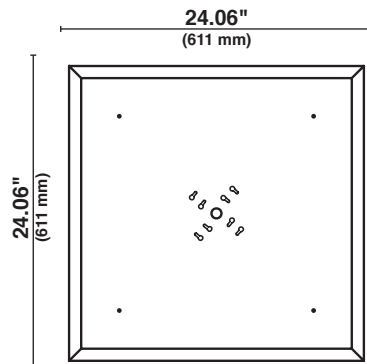
Surface Mount Kit

- Fully powdercoated white surface mount kit allows ProLED Flat Panel and Volumetric Panels to be installed on the surface of drywall or concrete ceilings
- High quality 22 gauge steel
- 3/4" knockout
- Fits multiple standard ceiling box screw patterns
- Easy to install - simply remove access door and slide luminaire onto support rails inside surface mount kit
- Mounting hardware included

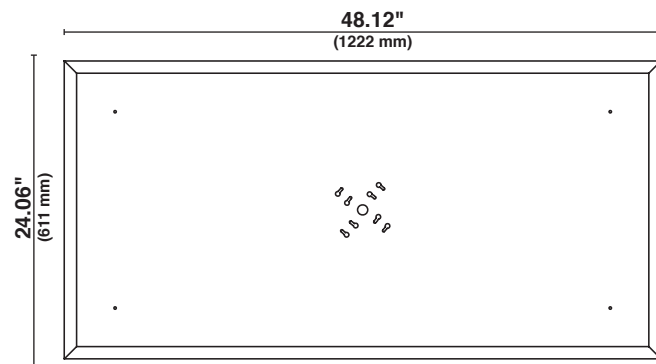


Dimensions

SMK22



SMK24



Ordering Information

Product #	Product Code	Description	Color	Dimensions (L" x W" x H")
81105	SMK22	2' x 2' Surface Mount Kit for Flat and Volumetric LED panels	White	24.06" x 24.06" x 4.5"
81106	SMK24	2' x 4' Surface Mount Kit for Flat and Volumetric LED panels	White	48.12" x 24.06" x 4.5"