

2x2 Volumetric Panel Light Series



ProLED® 2x2 Volumetric Panel Lights are energy efficient alternatives – only 35W delivering up to 3710 lumens – to Linear Fluorescent architectural recessed fixtures. The superior LED technology delivers consistent color and CRI for a uniform installation and improves lumen maintenance for long useful rated life. ProLED 2x2 Volumetric Panel Light offers 0-10V dimming standard with low voltage leads supplied in the integrated driver. Applications include offices, conference rooms, hallways, schools, healthcare, hospitality and retail. ProLED Volumetric Panel Light Series is backed by a 10-Year Warranty.

Performance Specifications

CRI _____	82	Min. Start Temp. _____	-20°C (-40°F)
Rated Life* _____	75,000 hour life	Max. Operating Temp. _____	40°C (104°F)
Watt _____	35W	Power Factor _____	>92%
Lumens _____	3500 (3500K), 3675 (4000K), 3710 (5000K)	THD _____	<20%
Lumens per Watt (LPW) _____	100 (3500K), 105 (4000K), 105 (5000K)	Warranty _____	10-year
Input Line Voltage _____	120-277V	Control _____	0-10V Dimmable
Input Line Frequency _____	60 Hz	Weight _____	9.92, 12.13 lbs.

Energy Savings

System	Ballast Factor	System Wattage	Replacement LED	Wattage	Energy Savings
2 Lamp FB32	0.88	59	22VPL35/8XX/LED	35	28.8%

Construction

- Premium milk white lens for smooth, even light distribution
- Powder coated, stamped steel housing
- Lightweight 9.92 and 12.13 lbs. construction
- Integrated driver with multiple 3/4" knockouts for easy access

Installation

- Fast access terminal block for easy thru-wiring
- Designed for recessed installation in suspended T-grid ceilings
- Lay in or suspended mounting
- Built-in seismic earthquake clips for additional support

Electrical

- ETL listed for wet locations
- 120V-277V input range
- 60 Hz input frequency
- 0-10V dimming standard**
- Power Factor >92%
- 0.37A @ 120V / 0.16A @ 277V
- Emergency battery back up options

** 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

10 YR
WARRANTY



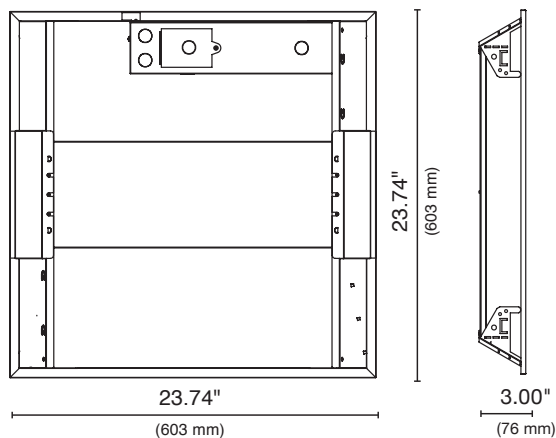
Watt	Product #	Product Code	Volts	Color Temp.	CRI	Lumen Output	Useful Life*	Beam Spread	Dimmable	DLC Qualified	Equivalent Wattage
35	81894	22VPL35/835/LED	120~277V	3500K	82	3500	75,000	120°	Yes	Yes	(2) 32W
35	81890	22VPL35/840/LED	120~277V	4000K	82	3675	75,000	120°	Yes	Yes	(2) 32W
35	81891	22VPL35/850/LED	120~277V	5000K	82	3710	75,000	120°	Yes	Yes	(2) 32W
35	81945	22VPL35/835/EM/LED	120~277V	3500K	82	3500	75,000	120°	Yes	Yes	(2) 32W
35	81946	22VPL35/840/EM/LED	120~277V	4000K	82	3675	75,000	120°	Yes	Yes	(2) 32W
35	81947	22VPL35/850/EM/LED	120~277V	5000K	82	3710	75,000	120°	Yes	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.

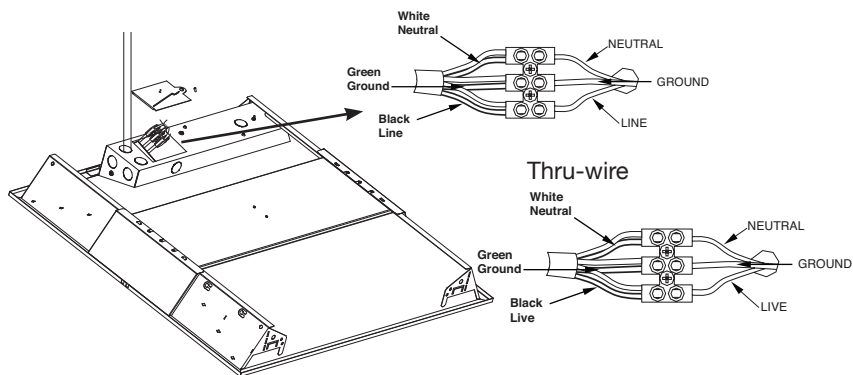
** May not be compatible with all dimming systems, dimming performance may vary by system.

*** Check the latest update at www.DesignLights.org for listed product catalog numbers. Not all versions are listed.

Dimensions



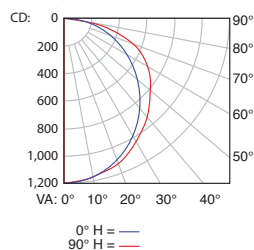
Wiring Diagram



Emergency Backup Lighting Art Needed

Photometrics

81894, 22VPL35/835/LED



LUMENS PER ZONE

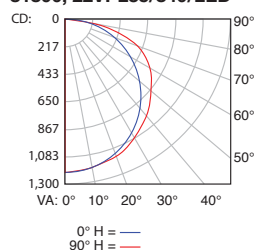
ZONE	LUMENS	% TOTAL	ZONE	LUMENS	% TOTAL
0-10	112.5	3.2%	90-100	2.4	0.1%
10-20	321.4	9.0%	100-110	1.4	0%
20-30	485.1	13.6%	110-120	1.2	0%
30-40	583.0	16.4%	120-130	1.1	0%
40-50	608.8	17.1%	130-140	1.0	0%
50-60	571.9	16.0%	140-150	1.3	0%
60-70	476.9	13.4%	150-160	1.6	0%
70-80	305.8	8.6%	160-170	1.3	0%
80-90	86.7	2.4%	170-180	0.5	0%

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	919.0	25.8%	25.8%
0-40	1,502.0	42.1%	42.1%
0-60	2,682.6	75.2%	75.3%
60-90	869.4	24.4%	24.4%
70-100	394.9	11.1%	11.1%
90-120	5.0	0.1%	0.1%
0-90	3,552.0	99.6%	99.7%
90-180	11.7	0.3%	0.3%
0-180	3,563.7	99.9%	100%

Total Luminaire Efficiency = 100.00%

81890, 22VPL35/840/LED



LUMENS PER ZONE

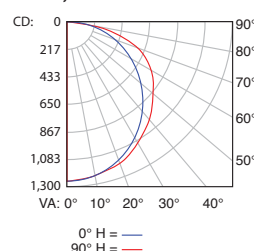
ZONE	LUMENS	% TOTAL	ZONE	LUMENS	% TOTAL
0-10	115.0	3.2%	90-100	1.4	0%
10-20	328.3	9.1%	100-110	1.1	0%
20-30	494.9	13.7%	110-120	0.9	0%
30-40	593.7	16.5%	120-130	0.9	0%
40-50	618.5	17.2%	130-140	0.8	0%
50-60	578.1	16.0%	140-150	1.0	0%
60-70	479.2	13.3%	150-160	1.2	0%
70-80	305.0	8.5%	160-170	1.0	0%
80-90	83.6	2.3%	170-180	0.4	0%

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	938.2	26%	26%
0-40	1,531.9	42.4%	42.5%
0-60	2,728.5	75.6%	75.7%
60-90	867.8	24%	24.1%
70-100	389.9	10.8%	10.8%
90-120	3.5	0.1%	0.1%
0-90	3,596.3	99.7%	99.8%
90-180	8.7	0.2%	0.2%
0-180	3,605.0	99.9%	100%

Total Luminaire Efficiency = 100.00%

81891, 22VPL35/850/LED



LUMENS PER ZONE

ZONE	LUMENS	% TOTAL	ZONE	LUMENS	% TOTAL
0-10	118.2	3.2%	90-100	1.8	0%
10-20	337.7	9.1%	100-110	1.4	0%
20-30	509.5	13.7%	110-120	1.2	0%
30-40	611.8	16.5%	120-130	1.1	0%
40-50	637.9	17.2%	130-140	1.0	0%
50-60	597.1	16.1%	140-150	1.4	0%
60-70	495.0	13.3%	150-160	1.7	0%
70-80	314.3	8.5%	160-170	1.4	0%
80-90	85.3	2.3%	170-180	0.5	0%

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	965.4	25.9%	26%
0-40	1,577.2	42.4%	42.4%
0-60	2,812.2	75.6%	75.6%
60-90	894.6	24%	24.1%
70-100	401.4	10.8%	10.8%
90-120	4.5	0.1%	0.1%
0-90	3,706.8	99.6%	99.7%
90-180	11.6	0.3%	0.3%
0-180	3,718.3	99.9%	100%

Total Luminaire Efficiency = 100.00%

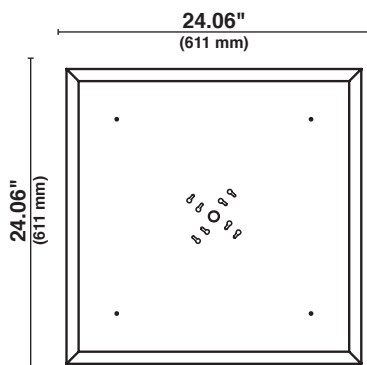
Surface Mount Kit for 2x2 Volumetric Light Series

Surface Mount Kit

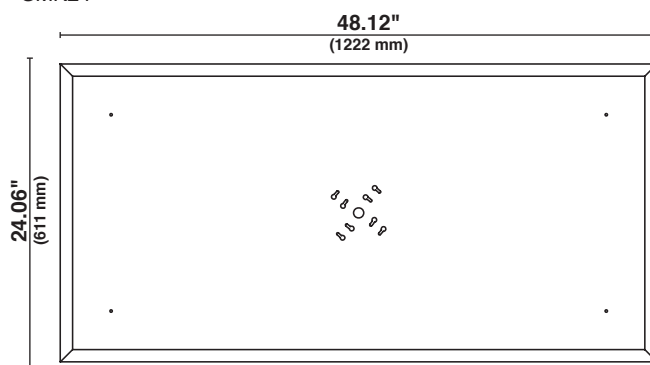
- Fully powdercoated white surface mount kit allows ProLED Flat Panel and Volumetric Panels to be installed on the surface of drywall or concrete ceilings
- High quality 22 gauge steel
- $\frac{3}{4}$ " knockout
- Fits multiple standard ceiling box screw patterns
- Easy to install - simply remove access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



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"