ProLED®

2x2 Panel Light Series

ProLED® 2x2 Panel Lights are energy efficient alternatives - only 30W delivering up-to 3150 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 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	30W	**Power Factor**	>92%
Lumens	3000 (3500K), 3150 (4000K), 3150 (5000K)	**THD**	<20%
Lumens per Watt (LPW)	100 (3500K), 105 (4000K), 105 (5000K)	**Warranty**	10-year Limited
Input Line Voltage	120-277V	**Control**	0-10V Dimmable
Input Line Frequency	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	30	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 for wet locations
- 120V-277V input range
- 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.
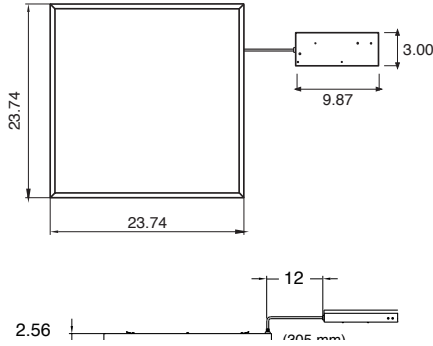
10YR WARRANTY RoHS Compliant DLC QPL LISTED** ETL Listed c US Intertek

Ordering Information

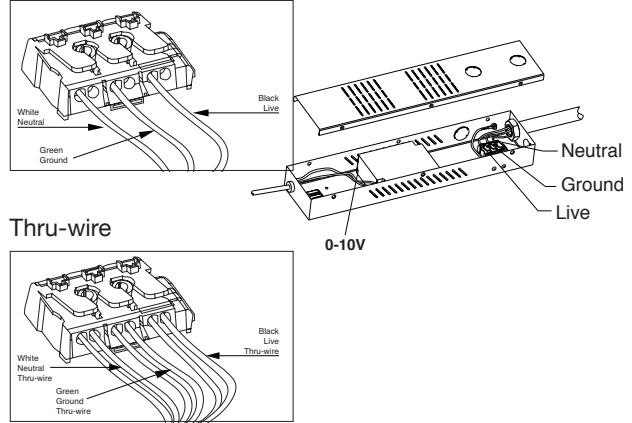| Watt	Product #	Product Code	Volts	Color Temp.	CRI	Lumen Output	Useful Life*	Beam Spread	Dimmable	DLC Listed	Equivalent Wattage
30	81918	22FPL30/835/LED	120~277V	3500K	82	3000	75,000	120°	0-10V	Yes	(2) 32W
30	81900	22FPL30/840/LED	120~277V	4000K	82	3150	75,000	120°	0-10V	Yes	(2) 32W
30	81901	22FPL30/850/LED	120~277V	5000K	82	3150	75,000	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.
** Check the latest update at www.DesignLights.org for listed product catalog numbers. Not all versions are listed.
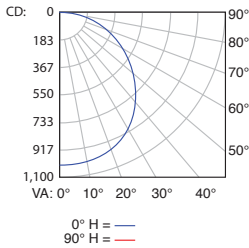
Halco LIGHTING TECHNOLOGIES®

Dimensions

23.74

23.74

3.00

9.87

2.56

12

(305 mm)

Wiring Diagram

White Neutral

Green Ground

Black Live

Neutral

Ground

Live

0-10V

Thru-wire

White Neutral Thru-wire

Green Ground Thru-wire

Black Live Thru-wire

Photometrics

81918, 22FPL30/835/LED

CD: 0
183
367
550
733
917
1,100
VA: 0° 10° 20° 30° 40°

0° H =
90° H =

LUMENS PER ZONE

ZONE	LUMENS	% TOTAL	ZONE	LUMENS	% TOTAL
0-10	97.2	3.4%	90-100	2.4	0.1%
10-20	277.2	9.6%	100-110	0.8	0%
20-30	417.1	14.5%	110-120	0.7	0%
30-40	498.7	17.3%	120-130	0.7	0%
40-50	513.1	17.8%	130-140	0.6	0%
50-60	460.8	16.0%	140-150	0.5	0%
60-70	349.8	12.2%	150-160	0.5	0%
70-80	200.5	7.0%	160-170	0.4	0%
80-90	57.0	2.0%	170-180	0.1	0%

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	791.4	27.5%	27.5%
0-40	1,290.1	44.8%	44.8%
0-60	2,264.0	78.6%	78.7%
60-90	607.3	21.1%	21.1%
70-100	259.9	9%	9%
90-120	3.9	0.1%	0.1%
0-90	2,871.3	99.6%	99.8%
90-180	6.7	0.2%	0.2%
0-180	2,878.0	99.9%	100%

Total Luminaire Efficiency = 100.00%

81900, 22FPL30/840/LED

CD: 0
183
367
550
733
917
1,100
VA: 0° 10° 20° 30° 40°

0° H =
90° H =
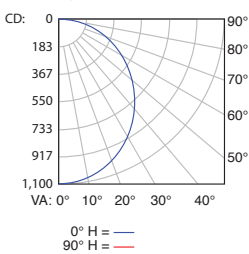
LUMENS PER ZONE

ZONE	LUMENS	% TOTAL	ZONE	LUMENS	% TOTAL
0-10	101.5	3.4%	90-100	2.7	0.1%
10-20	289.6	9.6%	100-110	0.9	0%
20-30	435.7	14.5%	110-120	0.8	0%
30-40	520.9	17.3%	120-130	0.7	0%
40-50	536.1	17.8%	130-140	0.6	0%
50-60	481.2	16.0%	140-150	0.6	0%
60-70	365.4	12.1%	150-160	0.6	0%
70-80	210.0	7.0%	160-170	0.4	0%
80-90	60.6	2.0%	170-180	0.2	0%

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	826.9	27.5%	27.5%
0-40	1,347.8	44.7%	44.8%
0-60	2,365.1	78.5%	78.6%
60-90	636.0	21.1%	21.1%
70-100	273.3	9.1%	9.1%
90-120	4.4	0.1%	0.1%
0-90	3,001.0	99.6%	99.7%
90-180	7.6	0.3%	0.3%
0-180	3,008.6	99.9%	100%

Total Luminaire Efficiency = 100.00%

81901, 22FPL30/850/LED

CD: 0
183
367
550
733
917
1,100
VA: 0° 10° 20° 30° 40°

0° H =
90° H =
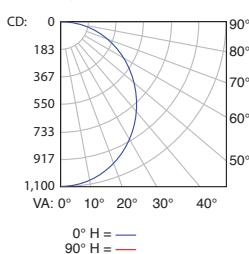
LUMENS PER ZONE

ZONE	LUMENS	% TOTAL	ZONE	LUMENS	% TOTAL
0-10	102.3	3.4%	90-100	3.0	0.1%
10-20	291.5	9.6%	100-110	0.7	0%
20-30	438.4	14.5%	110-120	0.7	0%
30-40	523.8	17.3%	120-130	0.8	0%
40-50	538.7	17.8%	130-140	0.7	0%
50-60	483.5	16.0%	140-150	0.6	0%
60-70	367.2	12.1%	150-160	0.4	0%
70-80	211.3	7.0%	160-170	0.4	0%
80-90	61.9	2.0%	170-180	0.2	0%

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	832.2	27.5%	27.5%
0-40	1,356.0	44.8%	44.8%
0-60	2,378.2	78.5%	78.6%
60-90	640.5	21.1%	21.2%
70-100	276.2	9.1%	9.1%
90-120	4.4	0.1%	0.1%
0-90	3,018.7	99.6%	99.8%
90-180	7.4	0.2%	0.2%
0-180	3,026.1	99.9%	100%

**Total Luminaire Efficiency = 100.00%**

ProLED®

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

- ¾" 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
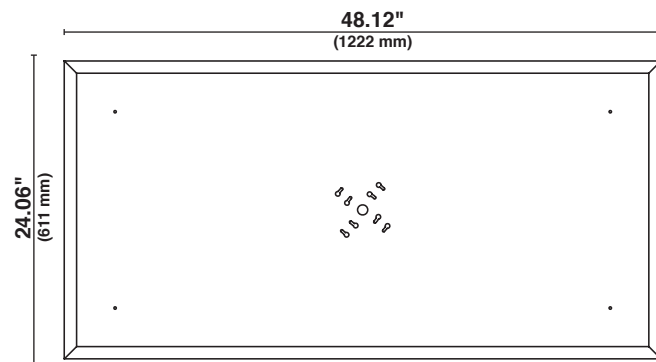
- Mounting hardware included

Dimensions

SMK22

24.06"
(611 mm)

24.06"
(611 mm)

SMK24

48.12"
(1222 mm)
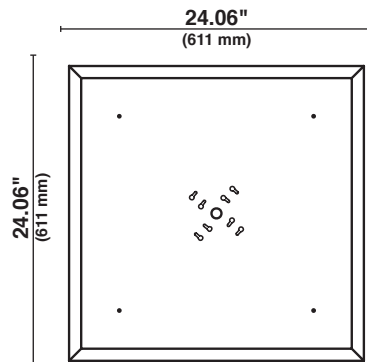
24.06"
(611 mm)

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" x4.5"
81106	SMK24	2' x 4' Surface Mount Kit for Flat and Volumetric LED panels	White	48.12" x 24.06" x4.5"