

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.

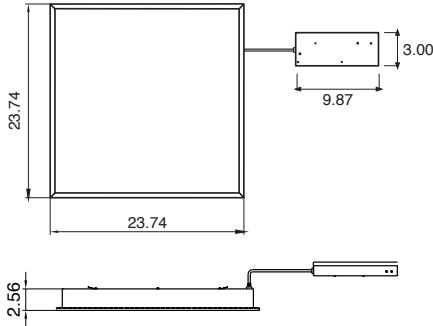


Ordering Information

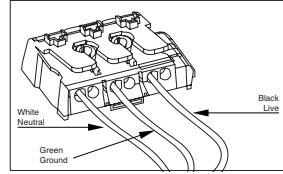
| Watt | Product # | Product Code | Volts | Color Temp. | CRI | Lumen Output | Useful Life* | Beam Spread | Dimmable | DLC Listed | Equivalent Wattage |
|------|-----------|-----------------|----------|-------------|-----|--------------|--------------|-------------|----------|------------|--------------------|
| 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.

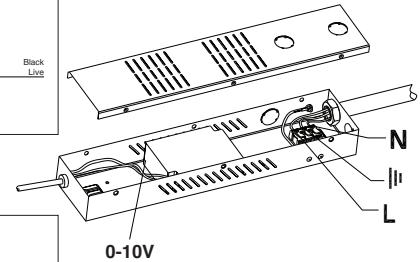
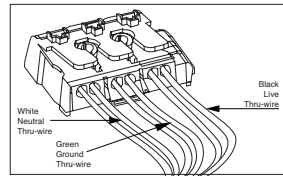
Dimensions



Wiring Diagram

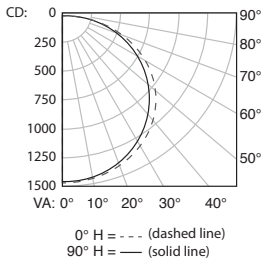


Thru-wire



Photometrics

80918, 22PNL35/835/LED



Coefficients of Utilization Effective Floor Cavity Reflectance 0.20

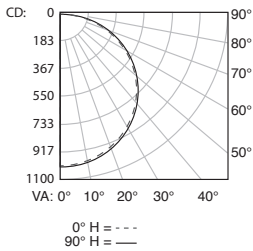
| RC | 80 | | | 70 | | | 50 | | |
|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RW | 70 | 50 | 30 | 50 | 30 | 10 | 50 | 30 | 10 |
| 0 | 119 | 119 | 119 | 116 | 116 | 116 | 111 | 111 | 111 |
| 1 | 108 | 104 | 99 | 101 | 97 | 93 | 97 | 94 | 91 |
| 2 | 98 | 90 | 83 | 88 | 82 | 76 | 84 | 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

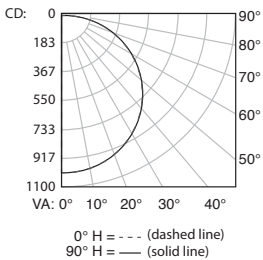
| RC | 80 | | | 70 | | | 50 | | |
|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RW | 70 | 50 | 30 | 50 | 30 | 10 | 50 | 30 | 10 |
| 0 | 119 | 119 | 119 | 116 | 116 | 116 | 111 | 111 | 111 |
| 1 | 108 | 104 | 99 | 101 | 97 | 94 | 97 | 94 | 91 |
| 2 | 98 | 89 | 82 | 88 | 82 | 76 | 84 | 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

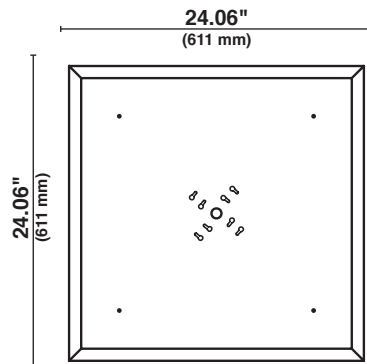
Surface Mount Kit

- 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

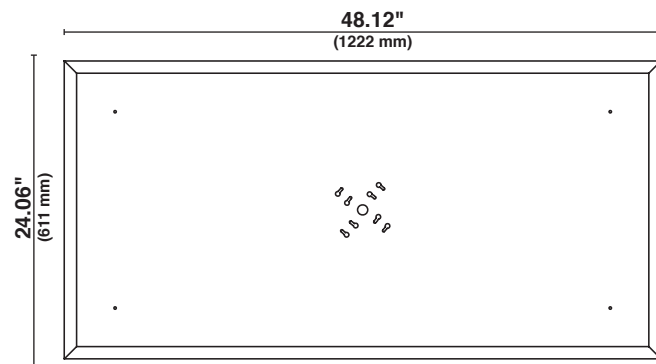


Dimensions

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" |