

1x4 Panel Light Series



ProLED® 1x4 Panel Lights are energy efficient alternatives - only 35W 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 1x4 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 Limited 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), 3050 (4000K), 3150 (5000K)	THD _____	<20%
Lumens per Watt (LPW) _____	85 (3500K), 87 (4000K), 90 (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 F32T8	0.88	59	14PNL35/8XX/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
- 120V-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.

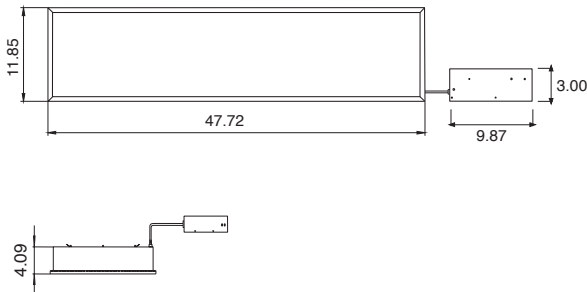


Ordering Information

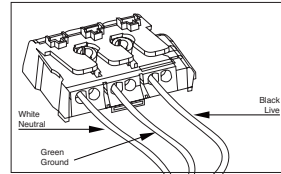
Watt	Product #	Product Code	Volts	Color Temp.	CRI	Lumen Output	Useful Life*	Beam Spread	Dimmable	DLC Listed	Equivalent Wattage
35	80917	14PNL35/835/LED	120~277V	3500K	82	2975	50000	120°	0-10V	Yes	(2) 32W
35	80908	14PNL35/840/LED	120~277V	4000K	82	3050	50000	120°	0-10V	Yes	(2) 32W
35	80909	14PNL35/850/LED	120~277V	5000K	82	3150	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.

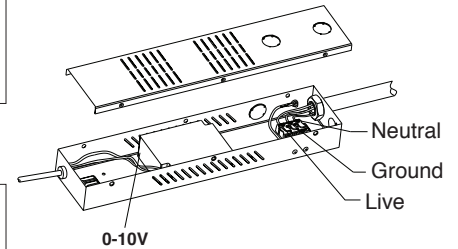
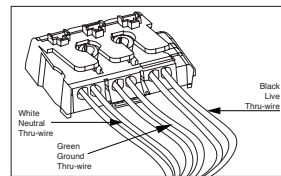
Dimensions



Wiring Diagram

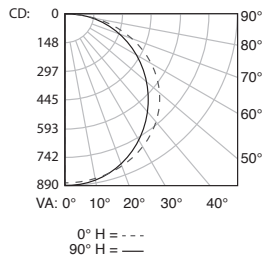


Thru-wire



Photometrics

80917, 14PNL35/835/LED



Coefficients of Utilization

Effective Floor Cavity Reflectance 0.20

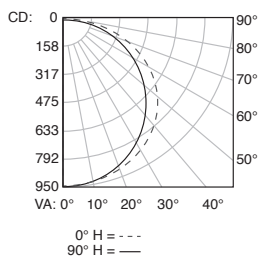
RC	80	70	50
RW	70 50 30	50 30 10	50 30 10
0	119 119 119	116 116 116	111 111 111
1	108 103 99	101 97 93	97 93 90
2	98 89 82	87 81 75	84 78 74
3	89 78 70	76 69 62	73 67 61
4	81 69 60	68 59 52	65 58 52
5	75 61 52	60 51 45	58 50 44
6	69 55 46	54 45 39	52 44 39
7	64 50 41	49 40 34	47 40 34
8	59 45 37	45 36 31	43 36 30
9	55 42 33	41 33 27	40 32 27
10	52 38 30	38 30 25	37 30 25

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixt
0-30	699.20	25.10	25.10
0-40	1162.64	41.80	41.80
0-60	2126.76	76.50	76.50
0-80	2716.66	97.70	97.70
0-90	2777.87	99.90	99.90

Total Luminaire Efficiency = 100.00%

80908, 14PNL35/840/LED



Coefficients of Utilization

Effective Floor Cavity Reflectance 0.20

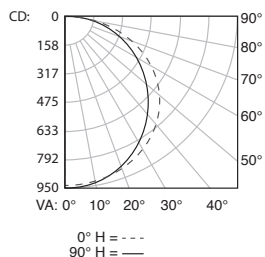
RC	80	70	50
RW	70 50 30	50 30 10	50 30 10
0	119 119 119	116 116 116	111 111 111
1	108 103 99	101 97 93	97 93 90
2	98 89 82	87 81 75	84 78 74
3	89 78 70	76 69 62	73 67 61
4	81 69 60	68 59 52	65 58 52
5	75 61 52	60 51 45	58 50 44
6	69 55 46	54 45 39	52 44 39
7	64 50 41	49 40 34	47 40 34
8	59 45 37	45 36 31	43 36 30
9	55 42 33	41 33 27	40 32 27
10	52 38 30	38 30 25	37 30 25

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixt
0-30	748.27	25.10	25.10
0-40	1244.17	41.80	41.80
0-60	2275.78	76.50	76.50
0-80	2972.35	97.70	97.70
0-90	2882.88	96.90	96.90

Total Luminaire Efficiency = 100.00%

80909, 14PNL42/850/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	108 103 99	101 97 93	97 93 90
2	98 89 82	87 81 75	84 78 74
3	89 78 70	76 69 62	73 67 61
4	81 69 60	67 59 52	65 58 52
5	75 61 52	60 51 45	58 50 44
6	69 55 46	54 45 39	52 44 39
7	64 50 41	49 40 34	47 40 34
8	59 45 37	45 36 31	43 35 30
9	55 42 33	41 33 27	40 32 27
10	52 38 30	38 30 25	37 30 25

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixt
0-30	746.49	25.10	25.10
0-40	1241.40	41.80	41.80
0-60	2271.76	76.40	76.40
0-80	2902.80	97.70	97.70
0-90	2968.92	99.90	99.90

Total Luminaire Efficiency = 100.00%