

1x4 Volumetric Panel Light Series



ProLED® 1x4 Volumetric Panel Lights are energy efficient alternatives - only 42W delivering up-to 3750 lumens - to Linear Fluorescent 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 1x4 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 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 _____	42W	Power Factor _____	>90%
Lumens _____	3570 (3500K), 3640 (4000K), 3750 (5000K)	THD _____	<20%
Lumens per Watt (LPW) _____	85 (3500K), 87 (4000K), 89 (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	14TFR42/8XX/LED	42	28.8%

Construction

- Premium milk white lens for smooth, even light distribution
- Powder coated, stamped steel volumetric housing
- Integrated driver 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
- Lay in or suspended mounting
- Built-in seismic earthquake clips for additional support

Electrical

- ETL Listed
- 120V-277V input range
- 50/60 Hz input frequency
- 0 -10V dimming standard*
- Power Factor >90%
- 0.37A @ 120V / 0.16A @ 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.

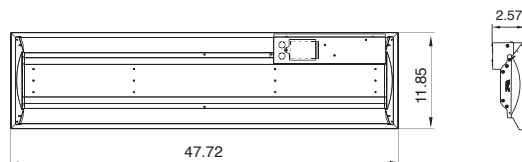


Ordering Information

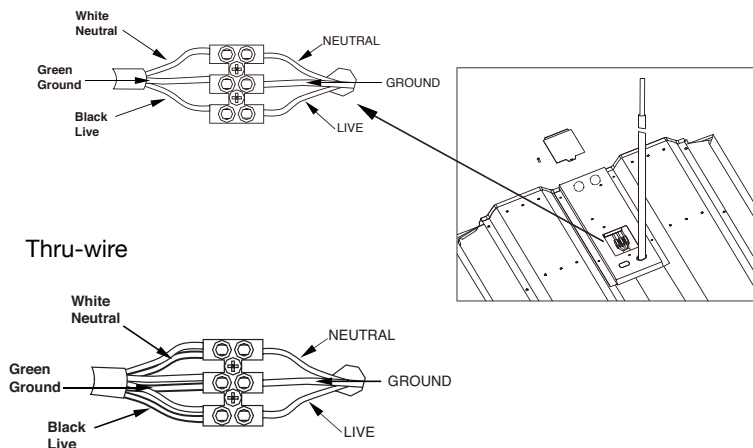
Watt	Product #	Product Code	Volts	Color Temp.	CRI	Lumen Output	Useful Life*	Beam Spread	Dimmable	DLC Listed	Equivalent Wattage
42	80922	14TFR42/835/LED	120~277V	3500K	82	3570	50000	120°	0-10V	Yes	(2) 32W
42	80913	14TFR42/840/LED	120~277V	4000K	82	3640	50000	120°	0-10V	Yes	(2) 32W
42	80914	14TFR42/850/LED	120~277V	5000K	82	3750	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

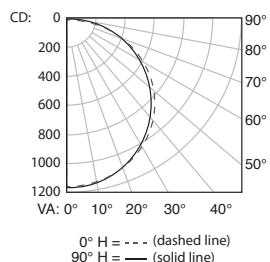


Wiring Diagram



Photometrics

80922, 14TFR42/835/LED



Coefficients of Utilization

Effective Floor Cavity Reflectance 0.20

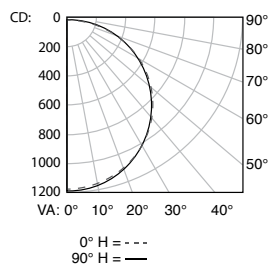
RC	80	70	50
RW	70 50 30	50 30 10	50 30 10
0	119 119 119	116 116 116	111 111 111
1	109 104 99	101 97 94	97 94 91
2	98 90 83	88 82 76	85 79 74
3	90 79 70	77 69 63	74 68 62
4	82 70 61	68 60 53	66 58 53
5	75 62 53	61 52 46	59 51 45
6	69 56 47	55 46 40	53 45 39
7	64 50 41	50 41 35	48 40 35
8	60 46 37	45 37 31	44 36 31
9	56 42 34	41 33 28	40 33 28
10	52 39 31	38 31 25	37 30 25

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixt
0-30	915.94	25.90	25.90
0-40	1517.08	42.90	42.90
0-60	2750.24	77.70	77.70
0-80	3477.83	98.30	98.30
0-90	3534.22	99.90	99.90

Total Luminaire Efficiency = 100.00%

80913, 14TFR42/840/LED



Coefficients of Utilization

Effective Floor Cavity Reflectance 0.20

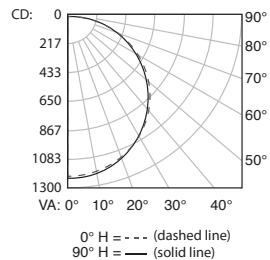
RC	80	70	50
RW	70 50 30	50 30 10	50 30 10
0	119 119 119	116 116 116	111 111 111
1	108 103 99	101 97 93	97 93 90
2	98 89 82	87 81 75	84 78 74
3	89 78 70	76 69 62	73 67 61
4	81 69 60	68 59 52	65 58 52
5	75 61 52	60 51 45	58 50 44
6	69 55 46	54 45 39	52 44 39
7	64 50 41	49 40 34	47 40 34
8	59 45 37	45 36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

80914, 14TFR42/850/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	109 104 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 69 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	49 41 35	48 40 35
8	60 46 37	45 37 31	44 36 31
9	56 42 34	41 33 28	40 33 28
10	52 39 31	38 30 25	37 30 25

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixt
0-30	958.86	25.90	25.90
0-40	1587.99	42.80	42.80
0-60	3645.07	77.60	77.60
0-80	3704.38	98.30	98.30
0-90	3589.36	99.90	99.90

Total Luminaire Efficiency = 100.00%