

## 2x2 Volumetric Panel Light Series



ProLED® 2x2 Volumetric Panel Lights are energy efficient alternatives - only 42W delivering up-to 3650 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 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 5-Year Limited Warranty.

### Performance Specifications

<b>CRI</b> _____	82	<b>Min. Start Temp.</b> _____	-40°C (-40°F)
<b>Rated Life</b> _____	50,000 hour life	<b>Max. Operating Temp.</b> _____	40°C (104°F)
<b>Watt</b> _____	42W	<b>Power Factor</b> _____	>90%
<b>Lumens</b> _____	3570 (3500K), 3600 (4000K), 3650 (5000K)	<b>THD</b> _____	<20%
<b>Lumens per Watt (LPW)</b> _____	102 (3500K), 103 (4000K), 104 (5000K)	<b>Warranty</b> _____	5-year Limited
<b>Input Line Voltage</b> _____	120-277V	<b>Control</b> _____	0-10V Dimmable
<b>Input Line Frequency</b> _____	50/60 Hz	<b>Weight</b> _____	9 lbs.

### Energy Savings

System	Ballast Factor	System Wattage	Replacement LED	Wattage	Energy Savings
2 Lamp FB32	0.88	59	22TFR35/8XX/LED	42	28.8%

### Construction

- Premium milk white lens for smooth, even light distribution
- Powder coated, stamped steel housing
- Integrated driver with multiple 3/4" knockouts for easy access
- Lightweight 9 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.

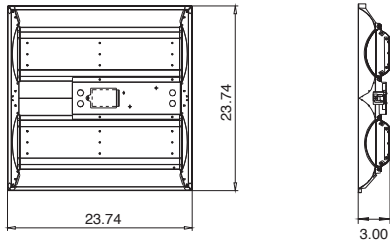


### Ordering Information

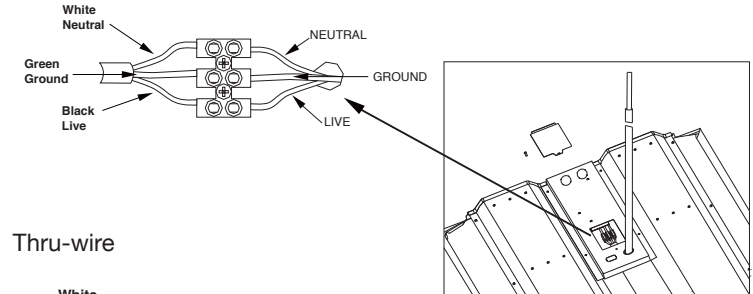
Watt	Product #	Product Code	Volts	Color Temp.	CRI	Lumen Output	Useful Life*	Beam Spread	Dimmable	DLC Listed	Equivalent Wattage
42	80921	22TFR42/835/LED	120~277V	3500K	82	3570	50000	120°	0-10V	Yes	(2) 32W
42	80904	22TFR42/840/LED	120~277V	4200K	82	3600	50000	120°	0-10V	Yes	(2) 32W
42	80905	22TFR42/850/LED	120~277V	5000K	82	3650	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.

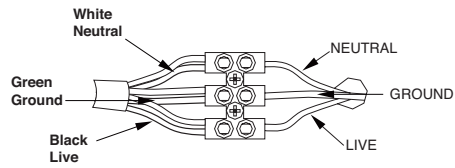
## Dimensions



## Wiring Diagram

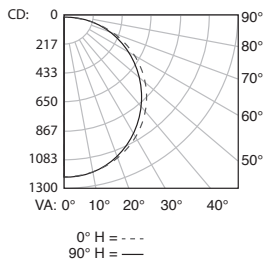


### Thru-wire



## Photometrics

### 80919, 22TFR42/835/LED



### Coefficients of Utilization

Effective Floor Cavity Reflectance 0.20

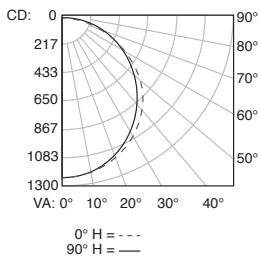
RC	80			70			50		
RW	70	50	30	50	30	10	50	30	10
0	119	119	119	116	116	116	111	111	111
1	109	104	100	102	98	95	98	95	92
2	99	91	84	89	83	78	86	80	76
3	90	80	72	78	71	65	75	69	64
4	83	71	62	69	61	55	67	60	54
5	76	63	54	62	54	47	60	52	47
6	70	57	48	56	47	41	54	46	41
7	65	51	43	51	42	36	49	42	36
8	60	47	38	46	38	32	45	37	32
9	56	43	35	42	35	29	41	34	29
10	51	40	32	39	32	26	38	31	26

### Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixt
0-30	946.30	27.40	27.40
0-40	1554.63	44.90	44.90
0-60	2768.4	80.00	80.00
0-80	3417.55	98.80	98.80
0-90	3417.55	99.90	99.90

Total Luminaire Efficiency = 100.00%

### 80902, 22TFR42/840/LED



### Coefficients of Utilization

Effective Floor Cavity Reflectance 0.20

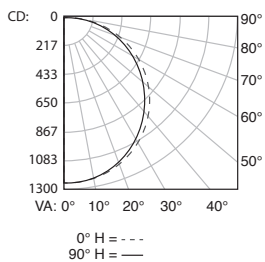
RC	80			70			50		
RW	70	50	30	50	30	10	50	30	10
0	119	119	119	116	116	116	111	111	111
1	108	104	99	101	97	94	97	94	91
2	98	89	82	88	82	76	84	79	74
3	89	79	70	77	69	63	74	67	62
4	82	70	61	68	60	53	66	58	53
5	75	62	53	61	52	46	59	51	45
6	69	56	47	55	46	40	53	45	40
7	64	50	42	50	41	35	48	40	35
8	60	46	37	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%

### 80903, 22TFR42/850/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	100	102	98	95	98	95	92
2	99	91	84	89	83	78	86	80	76
3	90	80	72	78	71	65	75	69	64
4	83	71	62	69	61	55	67	60	54
5	76	63	54	62	54	47	60	52	47
6	70	57	48	56	47	41	54	46	41
7	65	51	43	51	42	36	49	42	36
8	60	47	38	46	38	32	45	37	32
9	56	43	35	42	35	29	41	34	29
10	53	40	32	39	32	26	38	31	26

### Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixt
0-30	977.64	27.30	27.30
0-40	1607.01	44.90	44.90
0-60	2865.61	80.00	80.00
0-80	3539.04	98.80	98.80
0-90	3575.49	99.80	99.80

Total Luminaire Efficiency = 100.00%