



T1-TRLED Series
LED Prismatic Troffer



DESCRIPTION

The T1-TRLED series illuminates any work space without the glare of LED diodes, and feature impressive energy efficiency. These LED light fixtures come equipped with long lasting LED diodes and drivers, assuring consistent color temperatures. The T1-TRLED series is compatible with building controls, motion sensors, timers, and daylight harvesting systems. These fixtures are available in 2' x 2' and 2' x 4' frames with multiple lumen and color temperature options.

Specification Features

Construction

Durable post painted steel housing with white matte finish and Acrylic Prismatic lens.

Applications

Retail, Offices, etc.

Mounting

Grid ceiling mounted. The edge design provides mounting into standard 1" and 9/16" tee bars or screw slot grids.

Certification

DLC, UL Listed. All components have UL certification. Protection Grade IP20.

Warranty

7-year Limited Warranty. See warranty documentation for more information.

Input Voltage	120-277V
Input Frequency	50/60 Hz
Rated Wattage	See Performance Data
Delivered Lumens	See Performance Data
Efficacy	> 113 LPW
CRI	> 80
Available CCT	3500K, 4000K, 5000K,
Color Consistency	5-step MacAdam Ellipse
Rated Life	>50,000 hours
Ambient Temp.	-20°C to 50°C
Power Factor	> 0.92
THD	< 20%
Dimming	0-10V Continuous (10-100%)

Ordering Options

Example: T1-TRLED24/B/40-50

T1-TRLED	24 / B	/ 40	- 50	[Blank]	[Blank]	Options
Series	Form Factor	Rated Wattage	Color Temp	Lens Difuser	Dimming	Emergency Backup
T1-TRLED	22 2x2 24 2x4	2x2 24 24W 36 36W 2x4 40 40W 50 50W	35 3500K 40 4000K 50 5000K	Blank Frosted	Blank 0-10V	EM Accessories MS Microwave Sensor





Performance Data

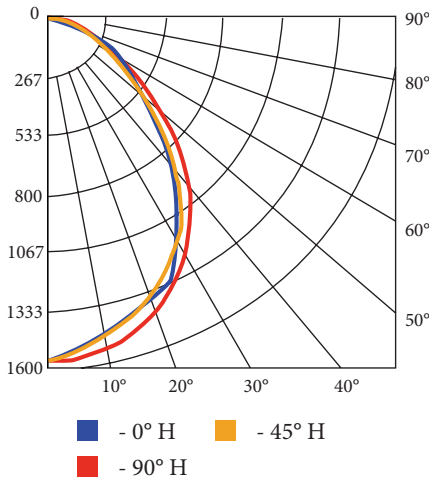
T1-TRLED22

Lens Type	Form Factor	Catalog No.	Rated Wattage (W)	3500K		4000K		5000K	
				Delivered Lumens (lm)	Efficacy (lm/W)	Delivered Lumens (lm)	Efficacy (lm/W)	Delivered Lumens (lm)	Efficacy (lm/W)
Frosted Lens	2x2	T1-TRLED22	24	2,717	113.2	2,717	113.2	2,717	113.2
		T1-TRLED22	36	4,075	113.2	4,075	113.2	4,075	113.2



Photometric Data

T1-TRLED22



Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

RCC%:	80				70				50		
RW%:	70	50	30	0	70	50	30	0	50	30	20
RCR: 0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.11
1	1.10	1.05	1.01	.98	1.07	1.03	.99	.86	.99	.96	.93
2	1.01	.93	.87	.81	.98	.91	.85	.74	.88	.83	.78
3	.92	.83	.75	.69	.90	.81	.74	.64	.78	.72	.67
4	.85	.74	.66	.59	.83	.72	.65	.56	.70	.63	.51
5	.79	.66	.58	.52	.77	.65	.57	.50	.63	.56	.51
6	.73	.60	.52	.46	.71	.59	.51	.44	.58	.50	.45
7	.68	.55	.47	.41	.66	.54	.46	.40	.53	.45	.40
8	.63	.50	.42	.37	.62	.50	.42	.36	.48	.41	.36
9	.59	.46	.38	.33	.58	.46	.38	.32	.45	.38	.33
10	.56	.43	.35	.30	.54	.42	.35	.30	.41	.35	.30

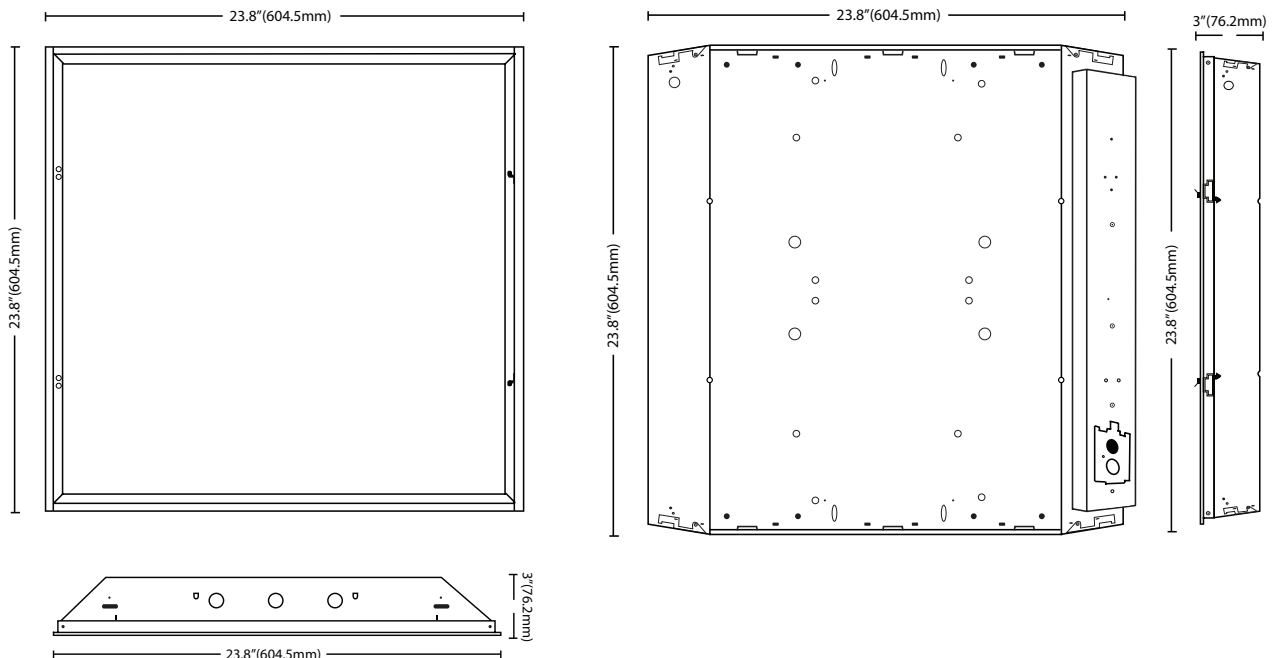
Zonal Lumen Summary

Zone	Lumens	%Lamp	%Luminaire
0-30	1,181.7	33%	33%
0-40	1,881.7	52.5%	52.5%
0-60	3,021.5	84.3%	84.3%
60-90	561.7	15.7%	15.7%
0-90	3,583.2	100%	100%



Dimensions

T1-TRLED22



T1-TRLED Series

LED Prismatic Troffer



Performance Data

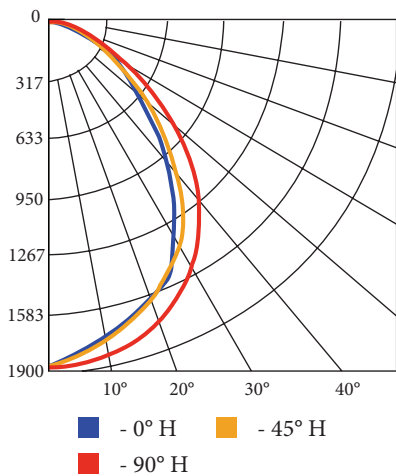
T1-TRLED24

Lens Type	Form Factor	Catalog No.	Rated Wattage (W)	3500K		4000K		5000K	
				Delivered Lumens (lm)	Efficacy (lm/W)	Delivered Lumens (lm)	Efficacy (lm/W)	Delivered Lumens (lm)	Efficacy (lm/W)
Frosted Lens	2x4	T1-TRLED24	40	4,950	123.8	4,950	123.8	4,950	123.8
		T1-TRLED24	50	6,125	122.5	6,125	122.5	6,125	122.5



Photometric Data

T1-TRLED24



Coefficients of Utilization - Zonal Cavity Method
Effective Floor Cavity Reflectance: 20%

RCC%:	80				70				50		
RW%:	70	50	30	0	70	50	30	0	50	30	20
RCR: 0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.11
1	1.09	1.05	1.01	.97	1.07	1.03	.99	.86	.98	.95	.92
2	1.00	.92	.86	.80	.97	.90	.84	.73	.87	.82	.78
3	.92	.82	.74	.68	.89	.80	.73	.63	.77	.71	.66
4	.84	.73	.64	.58	.82	.72	.64	.55	.69	.62	.57
5	.78	.65	.57	.50	.76	.64	.56	.48	.62	.55	.50
6	.72	.59	.51	.44	.70	.58	.50	.43	.57	.49	.44
7	.67	.54	.45	.39	.65	.53	.45	.38	.52	.44	.39
8	.62	.49	.41	.35	.61	.49	.41	.35	.47	.40	.35
9	.58	.45	.37	.32	.57	.45	.37	.31	.44	.37	.32
10	.55	.42	.34	.29	.54	.41	.34	.29	.40	.34	.29

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Luminaire
0-30	1,428.5	31.3%	31.3%
0-40	2,299.0	50.5%	50.5%
0-60	3,788.2	83.1%	83.1%
60-90	768.7	16.9%	16.9%
0-90	4,556.9	100%	100%



Dimensions

T1-TRLED24

