



GENERAL DESCRIPTION

The AL-PBLEDRTFK series features the latest addition of our center basket retrofit kits to our commercial line of products. These retrofit kits are perfect for upgrading an existing Prismatic or Parabolic troffer and provide an aesthetically pleasing even light source with its' polycarbonate center basket shade. Engineered for easy installation, these retrofit kits can be installed in a matter of minutes. Our AL-PBLEDRTFK series are available in 2'x2' and 2'x4' with multiple lumen output options.

APPLICATION

Retail, Offices, etc.

SPECIFICATION FEATURES

Input Voltage	120-277V
Input Frequency	50/60 Hz
Rated Wattage	See Performance Data
Delivered Lumens	See Performance Data
Efficacy	> 125 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%)

Mounting

Installed in most standard 2x2 or 2x4 recessed prismatic or parabolic troffers.

Certification

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

Warranty

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

Construction

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

ORDERING OPTIONS

AL-PBLEDRTFK	24	49	- 50	[Blank]	[Blank]	Options
Series	Form Factor	Rated Wattage	Color Temp	Lens Difuser	Dimming	Emergency Backup
AL-PBLEDRTFK	22 2x2 24 2x4	2x2 19 19W 29 29W 2x4 39 39W 49 49W	35 3500K 40 4000K 50 5000K	Blank Frosted	Blank 0-10V	EM Accessories MS Microwave Sensor

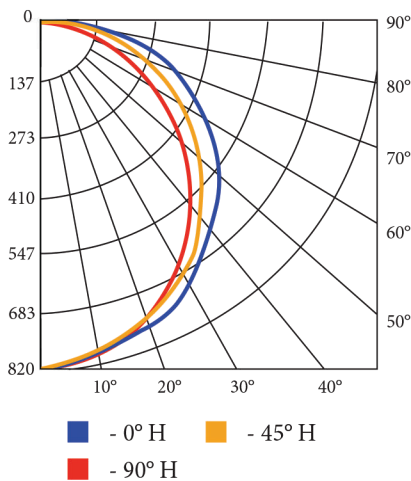
PERFORMANCE DATA

AL-PBLEDRTFK22

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	AL-PBLEDRTFK22	19	2,375	125	2,375	125	2,375	125
			29	3,625	125	3,625	125	3,625	125

PHOTOMETRIC DATA

AL-PBLEDRTFK22/19-50



Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

RCC%α	80				70				50			
RW%α	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	1.08	1.03	.98	.94	1.05	1.00	.96	.83	.96	.93	.89	
2	.97	.89	.82	.76	.95	.87	.80	.69	.83	.78	.73	
3	.89	.78	.69	.62	.86	.76	.68	.58	.73	.66	.61	
4	.81	.69	.59	.52	.79	.67	.59	.50	.65	.57	.51	
5	.74	.61	.52	.45	.72	.60	.51	.43	.58	.50	.44	
6	.69	.55	.46	.39	.67	.54	.45	.38	.52	.44	.39	
7	.64	.50	.41	.34	.62	.49	.40	.33	.47	.40	.34	
8	.59	.45	.37	.31	.58	.45	.36	.30	.43	.36	.30	
9	.55	.42	.33	.28	.54	.41	.33	.27	.40	.32	.27	
10	.52	.38	.30	.25	.51	.38	.30	.24	.37	.30	.25	

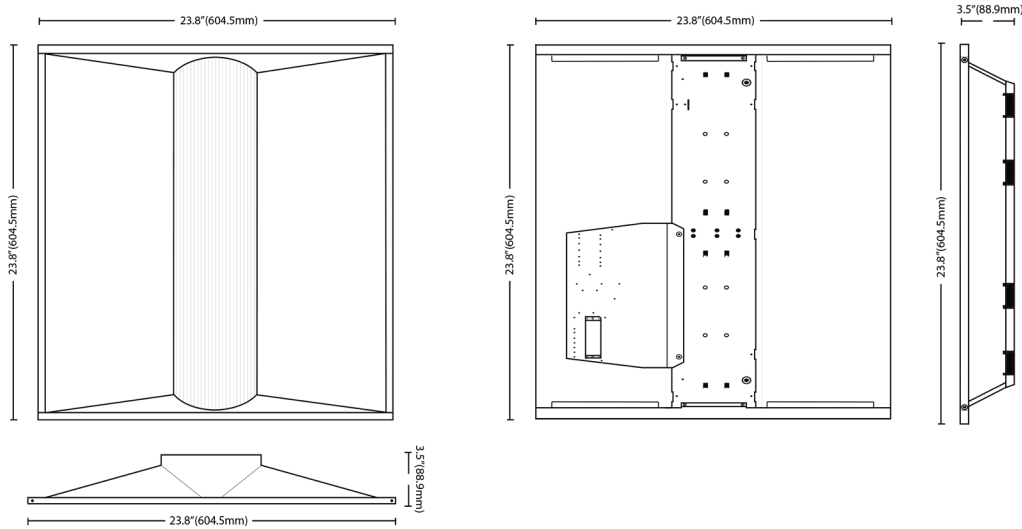
Zonal Lumen Summary

Zone	Lumens	%Lamp	%Luminaire
0-30	621.5	25.6%	25.6%
0-40	1,020.2	42%	42%
0-60	1,832.3	75.4%	75.4%
60-90	598.4	24.6%	24.6%
0-90	2,430.7	100%	100%

LIGHTING UP THE WORLD
WITH ONE BULB AT A TIME!

DIMENSIONS

AL-PBLEDRTFK22



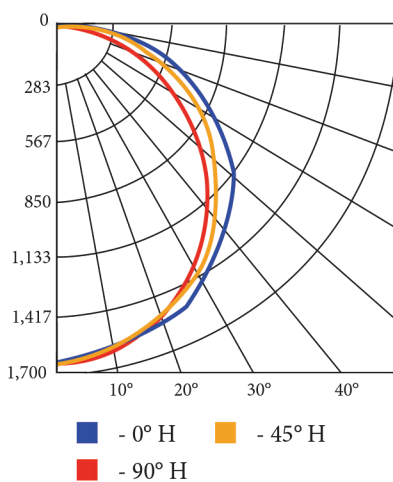
PERFORMANCE DATA

AL-PBLEDRTFK24

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	AL-PBLEDRTFK24	39	5,070	130	5,070	130	5,070	130
			49	6,370	130	6,370	130	6,370	130

PHOTOMETRIC DATA

AL-PBLEDRTFK24/39-50



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

RCC%α	80				70				50		
RW%α	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	1.08	1.03	.98	.94	1.05	1.00	.96	.83	.96	.92	.89
2	.97	.89	.81	.75	.95	.87	.80	.69	.83	.78	.73
3	.89	.77	.69	.62	.86	.76	.68	.58	.73	.66	.60
4	.81	.68	.59	.52	.79	.67	.58	.49	.64	.57	.51
5	.74	.61	.52	.45	.72	.60	.51	.43	.58	.50	.44
6	.68	.55	.45	.39	.66	.54	.45	.37	.52	.44	.38
7	.63	.49	.40	.34	.62	.49	.40	.33	.47	.39	.34
8	.59	.45	.36	.30	.57	.44	.36	.30	.43	.35	.30
9	.55	.41	.33	.27	.54	.41	.33	.27	.40	.32	.27
10	.52	.38	.30	.25	.50	.38	.30	.24	.37	.29	.25

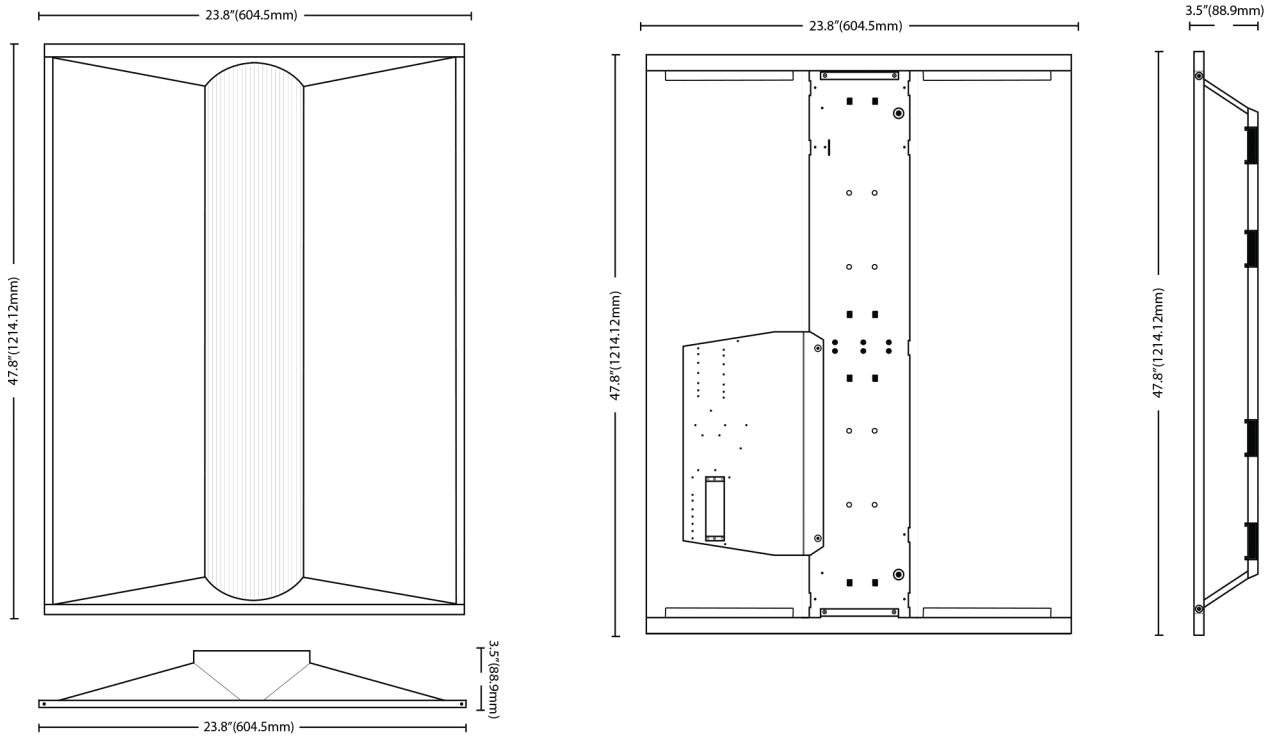
Zonal Lumen Summary

Zone	Lumens	%Lamp	%Luminaire
0-30	1,274.1	25.2%	25.2%
0-40	2,096.2	41.5%	41.5%
0-60	3,786.4	75%	75%
60-90	1,263.3	25%	25%
0-90	5,049.6	100%	100%

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DIMENSIONS

AL-PBLEDRTFK24



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