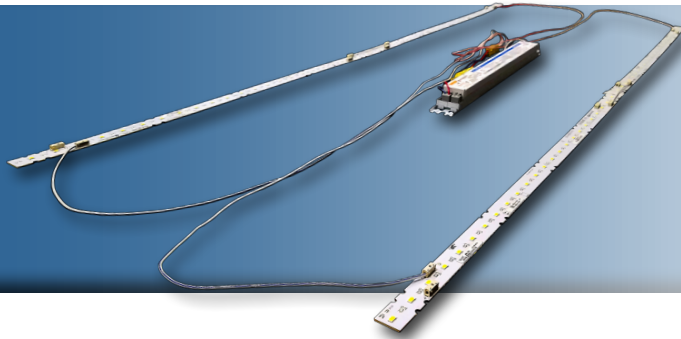


Note: This product has been discontinued and replaced with the RLK G2.



Project: _____
 Location: _____
 Cat. #: _____
 Type: _____
 Quantity: _____

LED

RLK T24 | LED Board/Driver 2x4 Prismatic Retrofit Kit

Features:

- High performance, long life LED technology
- 0-10V dimming drivers standard
- Up to over 140 lumens per watt
- Pre-wired components and driver quick-disconnect allows for quick and easy installation, saving on labor costs
- A wide variety of lumen packages allows for flexibility in design and helps maximize energy savings

Applications:

For use in most existing 2x4 prismatic troffer & surface box luminaires. For dry/indoor use only.

Note: Contractor/engineer must ensure proper fit in existing luminaire housing.

Predicted L70 Lifetime:

- L90 > 60,000hrs (reported)
- L70 > 200,000hrs (calculated)
- 90.6% lumen maint. @ 60,000 hrs (based on LM-80, TM-21 and in-situ laboratory testing)

Ambient Operating Temp:

- -30°C to 40°C

Construction:

- Pre-wired boards and 0-10V driver
- Kit comes with (4) 2' LED boards wired for (2) 4' rows of LEDs
- Magnetic fasteners come standard and allow for easy application and adjustment of boards onto existing housing

Certifications:

- UL 1598 listed for US and Canada, suitable for damp locations



Warranty:

- 5 year limited system warranty
- See www.LumenFocus.com for complete warranty terms and conditions



Ordering Guide:

example: RLK T24 2 LW UV 835 BAA

Series	Type	# of Rows	Output	Voltage	Shielding	CRI/CCT	Options		
RLK	T24	2		UV					
RLK	T24 2x4 Prismatic troffer/surface box kit	2 (2) 4' rows of LEDs	SL Super Low	UV 120-277	Blank No Shielding	830 80 CRI/3000K	Blank No Options		
			VL Very Low					835 80 CRI/3500K	
			LW Low					840 80 CRI/4000K	
			ML Medium Low					850 80 CRI/5000K	
			MD Medium					LVL 0-10V Dimming Leads for Easy Field Access	
			MH Medium High						BAA Buy American Act Compliant
			HI High						
VH Very High									
SH Super High									

Accessories (order separately)

- A12(x) Pattern 12 Prismatic Acrylic Lens (x = specify exact dimensions)
- PW(x) Prismatic White Acrylic Lens (x = specify exact dimensions)
- A23F(x) Frosted High Efficiency Pattern 23 Prismatic Acrylic Lens (x = specify exact dimensions)

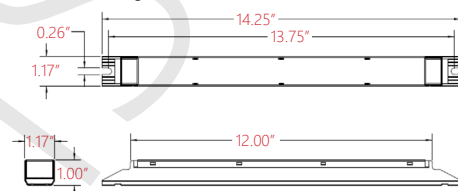
Performance Chart:

Catalog #	Watts	Nominal Lumens (3000K)	LPW (3000K)	Nominal Lumens (3500K)	LPW (3500K)	Nominal Lumens (4000K)	LPW (4000K)	Nominal Lumens (5000K)	LPW (5000K)
RLK T24 2 SL UV 8xx	20	2600	132.6	2610	133.2	2686	137.0	2712	138.4
RLK T24 2 VL UV 8xx	25	3352	134.1	3366	134.6	3463	138.5	3498	139.9
RLK T24 2 LW UV 8xx	28	3736	133.4	3751	134.0	3859	137.8	3898	139.2
RLK T24 2 ML UV 8xx	31	4117	132.8	4134	133.3	4253	137.2	4295	138.6
RLK T24 2 MD UV 8xx	35	4551	130.0	4570	130.6	4701	134.3	4748	135.7
RLK T24 2 MH UV 8xx	41	5256	127.6	5278	128.1	5430	131.8	5484	133.1
RLK T24 2 HI UV 8xx	47	6546	139.3	6573	139.9	6763	143.9	6830	145.3
RLK T24 2 VH UV 8xx	53	7278	137.3	7308	137.9	7519	141.9	7594	143.3
RLK T24 2 SH UV 8xx	64	8559	133.7	8595	134.3	8842	138.2	8931	139.5

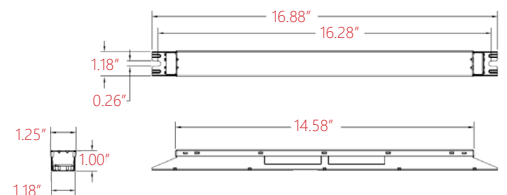
Schematic:



Driver for SL through VH



Driver for SH models

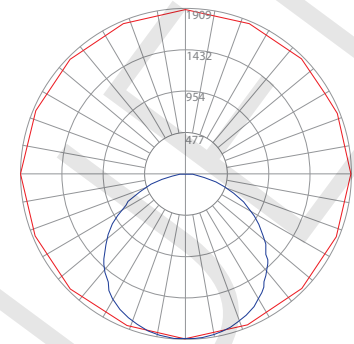


Photometric Data:

RLK T24 2 MH UV 830

Test No.: LLIA000933-008
 Luminaire Lumens: 5,256 lm
 Luminaire Watts: 41.2W
 Efficacy: 127.6 LPW
 Spacing Criterion (0-180): 1.32
 Spacing Criterion (90-270): 1.28

Luminance Data (cd/sq.m)			
Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2664	2680	2620
55	2597	2527	2603
65	2356	2381	1303
75	1861	1056	281
85	574	399	354



— Vert. Plane
 — Horiz. Cone

Zonal Lumen Summary Zone	Lumens	%Fixt
0-20	697.03	13.30
0-30	1490.61	28.40
0-40	2459.63	46.80
0-60	4388.91	83.50
0-80	5224.86	99.40
0-90	5256.15	100.00
90-120	0.00	0.00
90-130	0.00	0.00
90-150	0.00	0.00
90-180	0.00	0.00
0-180	5256.15	100.00

Coefficients Of Utilization - Zonal Cavity Method
 Effective Floor Cavity Reflectance 0.20

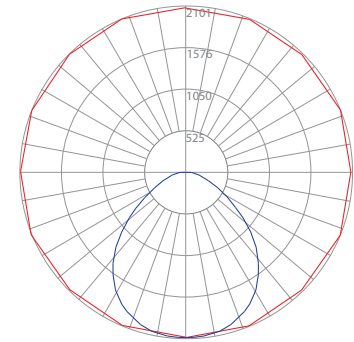
RC	80				70				50				30			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106		
1	110	105	101	98	107	103	99	96	99	96	93	95	93	90		
2	100	92	86	80	98	90	85	80	87	82	78	84	80	76		
3	91	81	73	67	89	80	72	67	77	71	65	74	69	64		
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55		
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48		
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42		
7	66	53	44	38	64	52	43	38	50	43	37	49	42	37		
8	61	48	39	34	60	47	39	34	46	39	33	45	38	33		
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30		
10	54	40	33	27	52	40	32	27	39	32	27	38	32	27		

Tested in accordance with IES standards utilizing absolute photometry per LM-79-08

RLK T24 2 MH UV 830 w/ A12 lens

Test No.: LLIA000933-005A
 Luminaire Lumens: 4,620 lm
 Luminaire Watts: 41.2W
 Efficacy: 112.1 LPW
 Spacing Criterion (0-180): 1.24
 Spacing Criterion (90-270): 1.20

Luminance Data (cd/sq.m)			
Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2584	2476	2316
55	1926	1762	1623
65	1419	1111	1275
75	1295	1034	1474
85	1586	1544	1960



— Vert. Plane
 — Horiz. Cone

Zonal Lumen Summary Zone	Lumens	%Fixt
0-20	760.67	16.50
0-30	1600.39	34.60
0-40	2554.48	55.30
0-60	3970.97	85.90
0-80	4522.46	97.90
0-90	4619.38	100.00
90-120	1.06	0.00
90-130	1.06	0.00
90-150	1.06	0.00
90-180	1.06	0.00
0-180	4620.44	100.00

Coefficients Of Utilization - Zonal Cavity Method
 Effective Floor Cavity Reflectance 0.20

RC	80				70				50				30			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106		
1	110	105	102	98	107	103	100	96	99	96	93	95	93	91		
2	101	94	87	82	98	92	86	81	88	83	79	85	81	77		
3	93	83	76	70	91	82	75	69	79	73	68	76	71	67		
4	86	75	67	61	84	74	66	60	71	65	59	69	63	59		
5	80	68	59	53	78	67	59	53	64	58	52	63	57	52		
6	74	61	53	47	72	60	53	47	59	52	47	57	51	46		
7	69	56	48	42	67	55	48	42	54	47	42	52	46	41		
8	64	51	43	38	63	51	43	38	50	43	38	48	42	37		
9	60	47	40	34	59	47	39	34	46	39	34	45	39	34		
10	57	44	36	31	55	43	36	31	43	36	31	42	35	31		

Tested in accordance with IES standards utilizing absolute photometry per LM-79-08

