

LRK LED Retrofit Kit



MECHANICAL

- Retrofits 2ft & 4ft fluorescent luminaires to LED
- Fast and easy to install
- No redesign or revised layout needed

OPTICAL

- Diffuser provides broad, even light distribution
- Three CCT options with CRI of 82
- Binning maintains color accuracy and consistency

KIT INCLUDES

- (2) EVERLINE LED lensed modules/light bars
- LED EVERLINE driver (0-10V dimming)
- Wiring, mounting hardware, installation instructions

ELECTRICAL

- 120-277VAC, 50/60Hz
- Equipped with 0-10V dimmable LED driver to 1%
- LED system efficacies exceeding 100 LPW

CERTIFICATIONS

- UL Classified UL1598C and CSA Retrofit Assembly (US & Canada)
- FCC Title 47 CFR, Part 15, Class A
- RoHS Compliant, contains no lead or mercury
- Select models (identified below) are DesignLights Consortium™ qualified. Consult www.designlights.org/QPL for details.

WARRANTY

- Five year limited warranty

ORDERING GUIDE

EXAMPLE: LRK24-46L840-U²

Series	Lamp & Length	Nominal Lumens ¹	CRI (nom.)	Color Temp.	Voltage
LRK = LED Linear Retrofit Kit	22 = 2L / 2ft 24 = 2L / 4ft	23L = 2,300 30L = 3,000 46L = 4,600 60L = 6,000	8 = 82 (nom.)	35 = 3500K 40 = 4000K 50 = 5000K	U = 120-277V

ORDERING NOTES

1. 23L & 30L lumen packages available for 2ft kits. 46L & 60L lumen packages available for 4ft kits.
2. Append catalog number with 00L for single kit package (2 LED Lensed Modules & 1 LED Driver) or 10C for 10 kit package (20 LED Lensed Modules & 10 LED Drivers).

DesignLights Consortium™ QPL Listed Products

Model Number	Needed Accessories	Model Number	Needed Accessories
LRK22-23L835-U		LRK24-46L835-U	
LRK22-23L840-U		LRK24-46L840-U	
LRK22-30L835-U		LRK24-60L835-U	
LRK22-30L840-U		LRK24-60L840-U	



PERFORMANCE DATA

Lumen Package	Input Power (watts)	Input Current		LRK System		Reference Luminaire	
		@ 120V	@ 277V	Delivered Lm (nom.)	LPW	Delivered Lm (nom.)	LPW
23L	21.6	0.18 A	0.09 A	2441	114	2011	93
30L	31.4	0.26 A	0.12 A	3361	107	2784	89
46L	42.8	0.36 A	0.16 A	5124	121	4047	95
60L	61.8	0.52 A	0.22 A	7010	113	5444	88

- Performance data provided at 4000K, multiply lumens and LPW by 1.04 for 5000K or 0.97 for 3500K.
- Testing conducted by NVLAP accredited lab in accordance with IESNA LM-79.
- Consult factory for photometry.
- Application and performance information is subject to change without notification.

OPERATING DATA

L85 Lumen Maintenance:	>60,000 hrs. at 40°C
L70 Lumen Maintenance:*	>140,000 hrs. at 40°C
Min. Starting Temp.:	-30°C (-22°F)
Sound Rating:	Class A
EMI/RFI:	FCC Title 47 CFR, Part 15, Class A
Power Factor:	>0.98
THD:	<20%
Input Power Frequency	50/60 Hz

*Projected per IESNA TM-21. Data extrapolated based on 10,000 hours of LED testing per IESNA LM-80.

COMPONENTS

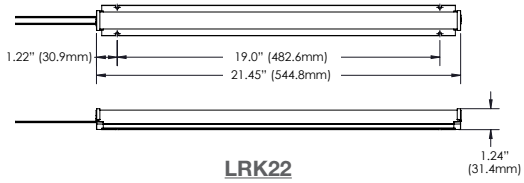
Lm Package	LED Driver	LED Replacement Lamp
23L	D700C30UNVTZCP75C	LRL12-15L8xx-525C
30L	D10CC55UNVTZCP72C	LRL12-15L8xx-525C
46L	D10CC55UNVTZ-C10C	LRL14-30L8xx-750C
60L	D15CC55UNVTZ-C10C	LRL14-30L8xx-750C

Where "xx" = 35 (3500K), 40 (4000K), or 50 (5000K)

Applications

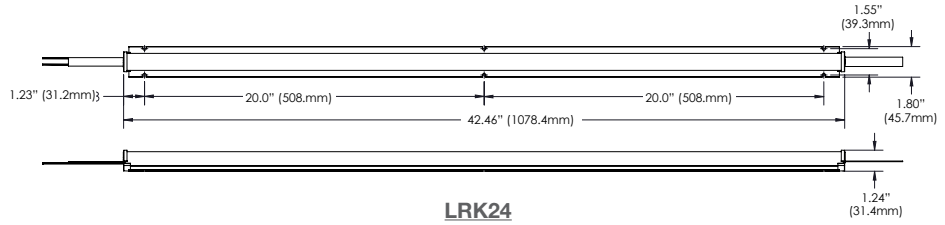
- Both LED Lensed Modules must be connected for proper operation
- The standard base model version of this module without Conformal Coating is designed for indoor fixtures in dry applications. Damage caused by corrosion due to moisture, condensation and other harmful elements, is not covered by the warranty.
- Not for use with phase cut dimmers
- Suitable for 2'x2' or 2'x4' luminaires with minimum 3" height, may be type IC, may include a lens, and may be listed for elevated ambients of up to 40°C max.

DIMENSIONS: in (mm)



LRK22

Shipping Weight (2' Kit): 4.1 lbs.



LRK24

Shipping Weight (4' Kit): 4.6 lbs.

LED lighting facts[®]
A Program of the U.S. DOE

Everline

Light Output (Lumens)	2441
Watts	21.537
Lumens per Watt (Efficacy)	113.34

Color Accuracy	82
Color Rendering Index (CRI)	

Light Color
Correlated Color Temperature (CCT) **4000 (Bright White)**

2700K 3000K 4500K 6500K

Warm White Bright White Daylight

All results are according to IESNA LM-79-2008: *Approved Method for the Electrical and Photometric Testing of Solid-State Lighting*. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the *Label Reference Guide*.

Registration Number: G8G5-7FKB2V (4/2/2015)
Model Number: LRK22-23L840-U
Type: Lamp - Linear

LRK22-23L840-U

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Everline

Light Output (Lumens)	3361
Watts	31.389
Lumens per Watt (Efficacy)	107.08

Color Accuracy	82
Color Rendering Index (CRI)	

Light Color
Correlated Color Temperature (CCT) **4000 (Bright White)**

2700K 3000K 4500K 6500K

Warm White Bright White Daylight

All results are according to IESNA LM-79-2008: *Approved Method for the Electrical and Photometric Testing of Solid-State Lighting*. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the *Label Reference Guide*.

Registration Number: G8G5-Y57ZHY (4/2/2015)
Model Number: LRK22-30L840-U
Type: Lamp - Linear

LRK22-30L840-U

LED lighting facts[®]
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Everline

Light Output (Lumens)	5124
Watts	42.12
Lumens per Watt (Efficacy)	121.65

Color Accuracy	82
Color Rendering Index (CRI)	

Light Color
Correlated Color Temperature (CCT) **4000 (Bright White)**

2700K 3000K 4500K 6500K

Warm White Bright White Daylight

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Visit www.lightingfacts.com for the *Label Reference Guide*.

Registration Number: G8G5-ROCTE2 (4/2/2015)
Model Number: LRK24-46L840-U
Type: Lamp - Linear

LRK24-46L840-U

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Everline

Light Output (Lumens)	7010
Watts	61.765
Lumens per Watt (Efficacy)	113.49

Color Accuracy	82
Color Rendering Index (CRI)	

Light Color
Correlated Color Temperature (CCT) **4000 (Bright White)**

2700K 3000K 4500K 6500K

Warm White Bright White Daylight

All results are according to IESNA LM-79-2008: *Approved Method for the Electrical and Photometric Testing of Solid-State Lighting*. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the *Label Reference Guide*.

Registration Number: G8G5-AYLVR5 (4/2/2015)
Model Number: LRK24-60L840-U
Type: Lamp - Linear

LRK24-60L840-U