

LRK

2' LED Retrofit Kit



MECHANICAL

- Retrofits 2ft 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 maintain color accuracy and consistency

KIT INCLUDES

- LRK22 includes (2) and LRK32 includes (3) Universal Douglas® LED lensed modules/light bars
- LED Universal Douglas driver (0-10V dimming)
- Wiring, mounting hardware, installation instructions

ELECTRICAL

- Available as 120-277VAC or 347VAC
- Equipped with 0-10V dimmable LED driver to 1%
- LED system efficacies exceeding 100 LPW

CERTIFICATIONS

- UL Classified UL1598C (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/QL for details.

WARRANTY

- Seven (7) year limited warranty

ORDERING GUIDE

EXAMPLE: LRK32-30L840-U³

Series	Lamp & Length	-	Nominal Lumens ¹	CRI (nom.)	Color Temp.	-	Voltage ²
LRK = LED Linear Retrofit Kit	22 = 2L / 2ft	-	23L = 2300	8 = 82 (nom)	35 = 3500K	-	U = 120-277VAC
	32 = 3L / 2ft	-	30L = 3000		40 = 4000K	-	347 = 347VAC
			45L ⁴ = 4000		50 = 5000K		

ORDERING NOTES

1. 23L & 30L lumen packages available for 2-lamp kits. 30L & 45L lumen packages available for 3-lamp kits.
2. 23L is not available in 347V.
3. Append catalog number with 00I for single kit package (2 or 3 LED Lensed Modules & 1 LED Driver) or 10C for 10 kit package (LRK22 only) or 06C for 6 kit package (LRK32 only).
4. LRK-32-45L8xx-U rated at max 35°C.

DesignLights Consortium® QPL Listed Products

Model Number
LRK22-23L850-U
LRK22-30L850-347



PERFORMANCE DATA

Model	Lumen Package	Input Power (Watts)	Input Current			LRK System	
			@ 120V	@ 277V	@ 347V	Delivered Lm (nom.)	LPW
LRK22	23L	21.8	0.18 A	0.09 A	N/A	2674	123
	30L	31.6	0.26 A	0.12 A	0.09 A	3459	109
LRKB32	30L	30.3	0.25 A	0.11 A	0.09 A	3754	124
	45L	52.9	0.44 A	0.20 A	0.15 A	5568	105



- Performance data provided at 4000K, multiply lumens and LPW by 1.04 for 5000K or 0.97 for 3500K.
- Reference Luminaire 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	50/60Hz

*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	D700C20UNVPW-C at 525mA	LRL12-15L8xx-525C
30L	D10CC30UNVPW-C at 754mA	LRL12-15L8xx-525C
45L	D15CC55UNVPW-C at 1290mA	LRL12-15L8xx-525PRM

• Where “xx” = 35 (3500K), 40 (4000K), or 50 (5000K). For 347V, Contact Universal Douglas.

APPLICATIONS

- All 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’ 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.
- Suitable for 2’ or 4’ strip light. wraparound, and vapor tight (see installation instructions for dimensions and max ambient).

DIMENSIONS

