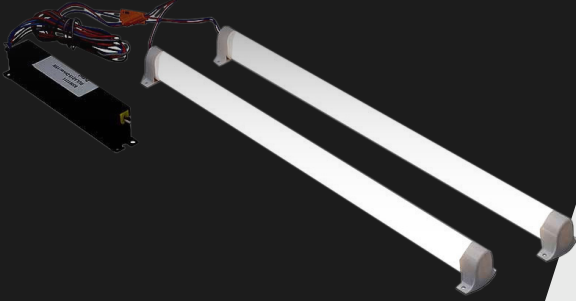


RUL Series

Refit™ Universal Linear Kit

The Lumination® RUL Series Refit™ Universal Linear Kit is an innovative kit designed to retrofit existing luminaires to efficient LED. This kit provides high uniformity and excellent efficiency. RUL is available in two lengths (2ft. and 4ft.) as well as various lumen and color temperature options. RUL is easy to install and fits into almost any existing linear fluorescent luminaire making it a perfect upgrade option where energy savings and long life are critical.



PERFORMANCE SUMMARY: 2FT.

Distribution Patterns: Lambertian

Efficacy: 135+ LPW

System Input Power: 30W

Input Voltage: 120-277V

Standard Dimming Control: 0-10V

CCT: 3500K, 4000K & 5000K

Lumens: 4100/4200/4300

Typical CRI: 80

Input Frequency (Hz): 50/60Hz

Power Factor: >0.9

Dimensions: See diagrams below

Mounting: Retrofit, Surface

Limited Warranty: 5 Years

Standard Rated Life: L85 @ 50,000 hours

Storage Temperature: -40°C to 70°C Operating

Temperature: -4°F up to 104°F

PERFORMANCE SUMMARY: 4FT.

Distribution Patterns: Lambertian

Efficacy: 120+ LPW

System Input Power: 42W

Input Voltage: 120-277V

Standard Dimming Control: 0-10V

CCT: 3500K, 4000K & 5000K

Lumens: 5100/5200/5300

Typical CRI: 80

Input Frequency (Hz): 50/60Hz

Power Factor: >0.9

Dimensions: See diagrams below

Mounting: Retrofit, Surface

Limited Warranty: 5 Years

Standard Rated Life: L85 @ 50,000 hours

Storage Temperature: -40°C to 70°C Operating

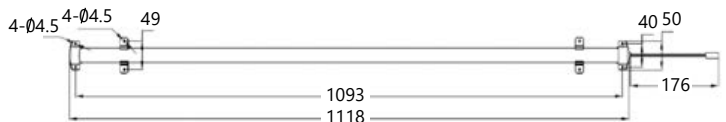
Temperature: -4°F up to 104°F

CERTIFIED BY

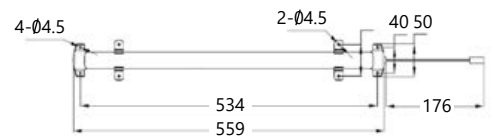


Please refer to the DLC QPL website for the latest and most complete information.
<http://www.designlights.org/QPL>

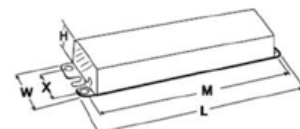
PRODUCT DIMENSIONS



4 ft. (1118 mm)



2 ft. (559 mm)



L: 9.5in x M: 8.9in x W: 1.3in x H: 1.2in

CUSTOMER NAME

Project Name _____

Date _____ Type _____

Catalog Number _____

ORDERING INFORMATION

RUL **8** **A** **0** **WW** **LB**
 --- -- - - -- --

PRODUCT ID	LENGTH	CRI (MIN.)	GENERATION	VOLTAGE	NOMINAL LUMENS	CCT	DISTRIBUTION
RUL = Refit™ Universal Linear	24 = 2' ft. 48 = 4' ft.	8 = 80 CRI	A = 1 st Generation	0 = 120-277V	WW = See lumen tables	35 = 3500K 40 = 4000K 50 = 5000K	LB = Lambertian

PRODUCT CODE	SKU DESCRIPTION	LENGTH/COLOR TEMP
93060959	RUL248A0WW35LB	2 ft. - 3500K
93060960	RUL248A0WW40LB	2 ft. - 4000K
93060961	RUL248A0WW50LB	2 ft. - 5000K
93060962	RUL488A0WW35LB	4 ft. - 3500K
93060963	RUL488A0WW40LB	4 ft. - 4000K
93060964	RUL488A0WW50LB	4 ft. - 5000K

PRODUCT SPECIFICATIONS
Construction:

- Lightweight aluminum heat sink is durable
- Quick push in wiring connectors
- Shatterproof polycarbonate tubing

Optical System:

- Designed to achieve optimal light distribution and performance

Electrical System:

- Class 2, replaceable, high efficiency LED driver rated for 50,000 hours when used within operating conditions

Installation:

- Quick Retrofit kit installation
- Each Kit comes with a Driver (Qty 1), LED Tubes (Qty 2), and Driver / Tube Quick connections
- Includes Plastic mounting clips with integrated magnets allow tubes to be easily snapped into the existing housing

For more information and access to all of our resources, including our design tool visit: LED.com

LENGTH	CCT	TYPICAL LUMENS	TYPICAL WATTS	LPW	FIXTURE			
					LUMEN TROFFER	LPW	LUMEN LINEAR	LPW
2ft	3500K	4100	30	136	3200	106	3800	126
2ft	4000K	4200	30	140	3300	110	3900	130
2ft	5000K	4300	30	143	3400	113	4000	133
4ft	3500K	5100	42	121	4200	100	4800	114
4ft	4000K	5200	42	123	4300	102	4900	116
4ft	5000K	5400	42	128	4400	104	5100	121

CUSTOMER NAME

Project Name _____

Date _____ Type _____

Catalog Number _____

PHOTOMETRIC DATA:

RUL-xx-8-A-0-WW-xx-LB

ZONAL LUMEN SUMMARY		ZONAL LUMEN SUMMARY			
ZONE	LUMENS	ZONE	LUMENS	% OF LAMP	% OF FIXTURE
0-10	171.8	0-30	1424.5	N.A.	31.0
10-20	496.3	0-40	2328.7	N.A.	50.7
20-30	756.5	0-60	3870.0	N.A.	84.3
30-40	904.2	0-90	713.7	N.A.	15.5
40-50	874.9	90-120	323.9	N.A.	7.1
50-60	666.4	90-130	3.5	N.A.	0.1
60-70	391.6	90-150	4583.7	N.A.	99.8
70-80	226.4	90-180	8.3	N.A.	0.2
80-90	85.7	0-180	4592.0	N.A.	100

Total Luminaire Efficiency = N.A.%

