Alphalite Inc.

PROJECT NAME

CATALOG NO.

TYPE

DATE

NOTE

LED LINEAR RETROFIT KIT

RXL Series
Retrofit Kits

DESCRIPTION

The RXL LED Linear Strip Retrofit Kit series combines the benefits of long life, controllability, and energy savings with elegant design and superior quality of light. The RXL retrofit solution optimize LED optics and electronics to deliver energy savings and high performance while being extremely quick and easy to install.

APPLICATION

Versatile upgrade solution for existing general purspose strip luminaires. Ideal for parking garages, corridors, hallways, stairwells, offices, closets, storage rooms, warehouse, manufacturing facilities, and spaces that demand energy demand reduction and high quality light.

SPECIFICATION FEATURES

Construction
Reflector utilizes highly reflective powder coat finish. Diffuser lens provides even and consistent light while eliminating pixelation. Tool-less removal of diffuser allows access to LED array. LED module and driver are replaceable. Universal reflector brackets accomodate various strip widths. Easy and convenient installation utilizes existing luminaire body, reduces labor hours. Integrated driver eliminates additional labor. Housing and optics maintain damp location rating with all internal components.

Electrical
Luminaire utilizes long life, high efficacy LEDs and a highly efficient, reliable LED driver. 120V-277V input voltage for increased versatility. 0-10V continuous dimming comes standard. Ideal when used in conjunction with controls and sensors. Comes equipped with quick disconnect for compliance with US code.

Finish
Highly reflective finish. Baked white paint, applied after fabrication.

Mounting
Installs on existing fluorescent strip fixtures. Utilizes existing luminaire body, eliminating the need to remove and dispose of old hardware. No need to re-mount or re-hang strip fixture. Universal reflector bracket accomodates various fixture widths.

Optics
The RXL's LED light engine and integrated optics delivers enhanced light quality and distribution. Precision-formed diffuser and reflector are designed LED light consistently, reducing glare and pixelation.

Certifications / Regulatory
All components used have UL approval. UL Class 2. Power supply: SCP, OTP, OVP protection, FCC Part 15 Class B, UL8750 Class 2. DLC Listed.

Warranty
7-year limited warranty. See complete warranty terms for details.

Quick Ship Product

RXL-8L(38S)/840
RXL-8L(38S)/850
RXL-8H(54S)/840
RXL-8H(54S)/850
RXL-8H(90/75/65S2)/835
RXL-8H(90/75/65S2)/840
RXL-8H(90/75/65S2)/850
RXL-4L(23S)/840
RXL-4L(23S)/850
RXL-4H(32S)/840
RXL-4H(32S)/850

ORDERING INFORMATION

Sample Number: RXL-8H(54S)/840

RXL	8	H	8	40	(Blank)	(Blank)
Series	**Form Factor**	**Lumen Package**	**CRI**	**CCT**	**Input Voltage**	**Dimming**
RXL - LED Linear Retrofit Kit	**8** - 8' **4** - 4'	**VL** - Very Low Wattage **L** - Low Wattage **H** - High Lumen **VH** - Very High Lumen *See energy data for details	**8** - 82+ CRI	**35** - 3500K **40** - 4000K **50** - 5000K **A** - Adjustable CCT (5000/4000/3500k)	**(Blank)** - 120V-277V	**(Blank)** - 0-10V Continuous Dimming

Options

Accessories
LN – Lens(1 for 4', 2 for 8')

Controls
MMS - Integrated step dimming microwave motion sensor
DMMSDL – Step dimming microwave motion sensor and daylight harvesting
DL - Integrated daylight harvesting
SMC - Smart Control System
OS – Step dimming PIR motion sensor and daylight sensor. (Requires OS-618-RC101 Sensor Configuration Tool. Not included)

Emergency Backup
(Lumen will maintain over the 90-minute duration)
EM700 - 700lm
EM1400 - 1400lm
EM2000 - 2000lm

Assembly in USA
BAA - assembly in USA

SUMMARY

Input Voltage	120V-277V
Input Power	See energy data for details
Power Factor	> 0.9
THD (Max.)	<20%
Efficacy	130LPW
Delivered Lumens	See energy data for details
Controls/ Dimming	0-10V
Dimming Range	10-100%
CRI	> 80
CCT	3500/4000/5000K
Operating Temp.	-20- +55℃
Rated Life	70,000 hours

ENERGY PERFORMANCE DATA

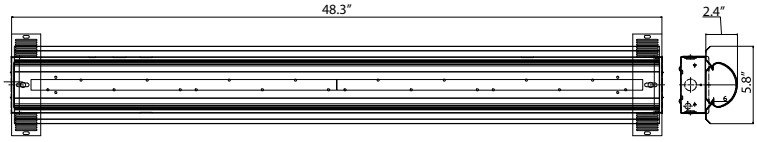
Form Factor	Part No.	Rated Wattage (W)	Tested Wattage (W)	Delivered Lumens (lm)	Efficacy (lm/W)
4'	RXL-4H(35/25/18S2)/8A	35/25/18	35/25/18	4550/3250/2340	130
	RXL-4H(45/40/35S2)	45/40/35	45/40/35	5850/5200/4550	130
	RXL-4VL(18S)	18	18	2340	130
	RXL-4L(23S)	23	23	2990	130
	RXL-4H(32S)	32	32	4160	130
	RXL-4H(46S)	46	46	5980	130
8'	RXL-8L(54/46/38S2)/8A	54/46/38	54/46/38	7020/5980/4940	130
	RXL-8H(90/75/65S2)/8A	90/75/65	90/75/65	11700/9750/8450	130
	RXL-8H(90/75/65S2)	90/75/65	90/75/65	11700/9750/8450	130
	RXL-8L(38S)	38	38	4940	130
	RXL-8H(54S)	54	54	7020	130
	RXL-8VH(90S)	90	90	11700	130

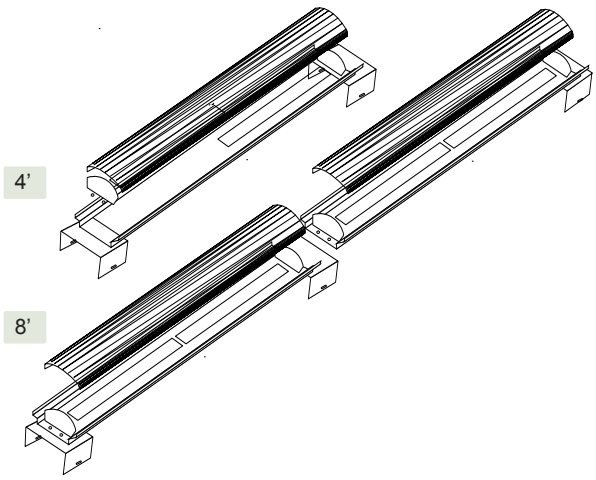
PHYSICAL PARAMETERS

DIMENSION

RXL- 4

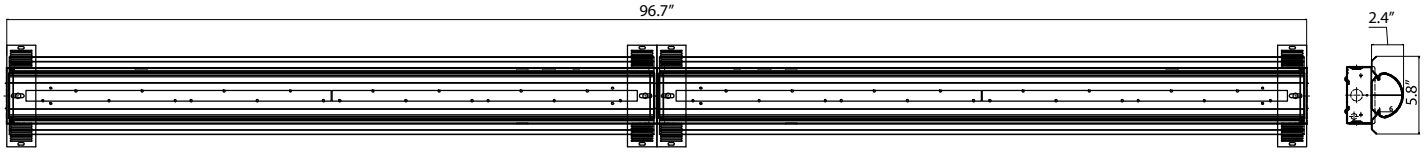
5.38 Lbs.



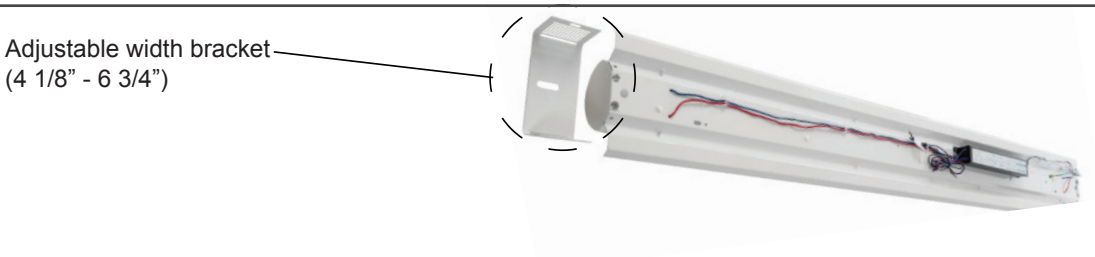


RXL- 8

9.26 Lbs.



MOUNTING OPTIONS



-DMMS/MMS control pre-commissioning

Sample Number: -MMS (10-3M-L3-S10M)

10	3M	L3	S10M	(Blank)	
Detection Area 10 - 100% 7 - 75% 5 - 50% 1 - 10%	**Hold Time** 30M - 30 min. 20M - 20 min. 3M - 3 min. 30S - 30 sec. 5S - 5 sec.	**Low Mode** L5 - 50% L3 - 30% L2 - 20% L1 - 10%	**Stand-by Period** SN - ∞ S1H - 1 hr. S30M - 30 min. S10M - 10 min. S5M - 5 min. S5S - 5 sec. (Blank) - Disable	**Daylight Sensor** (Blank) - Disable D100 - 100 lux D50 - 50 lux D25 - 25 lux D10 - 10 lux D5 - 5 lux D2 - 2 lux	

Detection Area: Detection area can be reduced to fit precisely each application.
Hold Time: The time period the luminaire remains at 100% illumination after no motion detected.
Low Mode: The selected low light level after the hold time.
Stand-by Period: The time period the luminaire remains at "Low Mode" before it completely switched off in the long absence of people. When set to "∞" mode, the low light level is maintained until motion is detected.
Daylight Sensor: The sensor can be set to only allow the luminaire to illuminate below a defined ambient brightness threshold. When set to "Disable" mode, the daylight sensor will switch on the luminaire when motion is detected regardless of ambient light level.
Noted that daylight sensor is active only when the luminaire switches off

-OS control pre-commissioning

Sample Number: -OS (L2-5M-L3-S10M)

L2	(Blank)	5M	L3	S10M	(Blank)	(Blank)	(Blank)
Lens / Coverage L2 - 8'H (48' dia.) L3 - 20'H (40' dia.) L4 - 40'H (60' dia.) L7 - 40'H (100' dia.)	**High Mode** (Blank) - 100% H9 - 90% H8 - 80% H7 - 70%	**Hold Time** #M - 1-30 min. 30S - 30 sec.	**Low Mode** L5 - 50% L3 - 30% L2 - 20% L1 - 10%	**Stand-by Period** SN - ∞ S#H - 1-5 hrs. S#M - 1-59 min. (Blank) - Disable	**Ramp Up** (Blank) - Disable #Up - 1-60 sec.	**Fade Down** (Blank) - Disable #Dn - 1-60 sec.	**Photocell On/Off** (Blank) - Disable PS - Active

High Mode: The selected high light level when motion detected.
Hold Time: Time period the luminaire remains at "High Mode" after no motion detected.
Low Mode: The selected low light level after the hold time.
Stand-by Period: Time period the luminaire remains at "Low Mode" before it completely switched off in the long absence of people. When set to "∞" mode, the low light level is maintained until motion is detected.
Ramp Up: Time period for light level to increase from LOW to HIGH.
Fade Down: Time period for light level to decrease from HIGH to LOW.
Photocell On/Off: When the light level exceeds this setting, the lights will turn off even when the space is occupied. Once the light level exceeds this setting, the sensor will wait and monitor for a short period of time in order to confirm the light level increase is not temporary before forcing the lights to go off. When light level goes below the settings, the light will turn on even without motion detection. This feature is disabled by default. If using this setting in combination with the Hold Off set-point, there must be at least 10fc of dead band between the two settings. The Photocell set-point is automatically set to maintain at least 10fc of dead band above the Hold time set-point to help avoid load cycling.