



PROJECT

TYPE

DATE

ITEM NO.

NOTE

LED LINEAR RETROFIT KIT

RXL Series

Retrofit Kits (DLC Listed)

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 purpose 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. PMMA 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 accommodate 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. 1-10V 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 accommodates various fixture widths.

Optics

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. DLC 5.1 Listed. *Not all versions of this product may be DLC listed, please check the QPL at www.designlights.org/QPL to confirm which versions are qualified.

Warranty

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



Quick Ship Product

RXL-4L(23S)/840

RXL-4H(35/25/18S2)/8A

RXL-4VH(64/56/46S2)/8xx-12V

RXL-8H(54S)/840 Only

RXL-8L(54/46/38S2)/8A-PC(-12V)

RXL-8H(90/75/65S2)/835 and 840

RXL-8H(90/75/65S2)/8A(-12V)

ORDERING INFORMATION

Sample Number: RXL-8H(90/75/65S2)/835

| RXL | 8 | H | 8 | 35 | (Blank) | (Blank) |
|--|--|--|---------------------------|--|--|---|
| Series RXL - LED Linear Retrofit Kit | Form Factor 8 - 8' 4 - 4' | Lumen Package VL - Very Low Wattage L - Low Wattage H - High Lumen VH - Very High Lumen | CRI 8 - 82+ CRI | CCT 35 - 3500K 40 - 4000K 50 - 5000K A - 5000/4000/3500K Adjustable | Input Voltage (Blank) - 120-277V C - 120-347V | Auxiliary Power DC12V (Blank) - without AUX 12V - with DC12V (PC diffuser) |

Options

Accessories

LN - Lens (1 for 4', 2 for 8')

Driver Options

CT - Cold temperature driver, 40°F-131°F (-40°C-55°C)

Input Voltage: Custom input voltage available

Contact your Alphalite representative for added cost, quantities and lead times.

Controls

PIR - On/off PIR High Bay motion sensor (Field installed required)

PIRD - On/off PIR high bay motion and daylight sensor (Field installed required)

OS - Step dimming PIR motion sensor and daylight sensor (Field installed required)

MMS - Step dimming Microwave Sensor (Motion detection/Photocell/Dimming)

DMMS-DL - Step dimming Microwave Sensor (Motion detection/Photocell/Dimming/Daylight harvesting)

DL - Integrated daylight harvesting

SMC - Smart Control System

Remarks: Sensor configuration tool remote control required, not included

Emergency Backup

(Lumen will maintain over the 90-minute duration)

EM2000 - 2000lm

Assembly in USA

BAA - assembly in USA

SUMMARY

| | |
|-------------------|---|
| Input Voltage | 120-277V |
| 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 | 1-10V dimming standard |
| Dimming Range | 10-100% |
| CRI | >80 |
| CCT | 3500,4000,5000K 3500/4000/5000K Selectable |
| Operating Temp. | -4°F~133°F (-20°C~+55°C) |
| Rated Life | 70,000 hours |

ENERGY PERFORMANCE DATA

| Form Factor | Part No. | Rated Wattage (W) | Delivered Lumens (lm) | Efficacy (lm/W) |
|-------------|--------------------------------|-------------------|-----------------------|-----------------|
| 4' | RXL-4L(23S)/840 | 23 | 2990 | 130 |
| | RXL-4H(35/25/18S2)/8A | 35/25/18 | 4550/3250/2340 | 130 |
| | RXL-4VH(64/56/46S2)/8xx-12V | 64/56/46 | 8320/7280/5980 | 130 |
| 8' | RXL-8H(54S)/840 Only | 54 | 7020 | 130 |
| | RXL-8L(54/46/38S2)/8A-PC(-12V) | 54/46/38 | 7020/5980/4940 | 130 |
| | RXL-8H(90/75/65S2)/835 and 840 | 90/75/65 | 11700/9750/8480 | 130 |
| | RXL-8H(90/75/65S2)/8A(-12V) | 90/75/65 | 11700/9750/8450 | 130 |

*The delivered lumens above are based on highest wattage and 4000K.

**Default setting at time of shipping are highest wattage and highest CCT.

PHYSICAL PARAMETERS

DIMENSION

