

Project	
Notes	
Type	Date
Cat. No.	

LSR™ XE Series

LED Linear Strip Retrofit Kit

DESCRIPTION

The Aleo LSR™ XE Series Linear Retrofit Kit delivers industry-leading performance with deep energy savings and continuous dimming. Easy and quick installation reduces labor cost and optimizes ROI. The retrofit kit eliminates the need to replace existing luminaire housing, which reduces install time and disposal/removal costs. The LSR™ kit transforms utility strips into high-efficiency, architectural luminaires.

APPLICATIONS

Excellent for general utility applications to retrofit existing utility strip/channels. Parking garage, warehouse, offices, restrooms, storage units, stairwell.

Specification Features

Construction

Integral LED gear tray and reflector with driver on board allows for easy installation and handling. Luminaire features matte white durable finish. Diffuser requires no additional frame or fastener for easy installation.

Optical System

Reflector systems features highly reflective coating and delivers balanced, comfortable illuminance for productive spaces. Diffuser lens reduces glare and improves occupant comfort while maintaining high efficiency emission.

Certification

UL Classified. All components have UL certification. UL Class 2. Driver: SCP, OTP, OVP protection, FCC Part 15 Class B, UL8750 Class 2. DLC Premium

Warranty

7-year Limited Warranty. See warranty documentation for more information.

Electrical

Luminaire utilizes high-efficacy LED packages maintained at cool temperatures for long life, high efficacy. Reliable driver features continuous dimming. Universal voltage (120-277V) for convenient installation. Comes equipped with luminaire quick-disconnect.

Installation / Mounting

Features universal mounting bracket to fit strips with 4-1/2" to 5-1/2" width. Includes safety cables for security and wiring. Installs on existing strip housing.

Controls / Dimming

Continuous dimming (0-10V) comes standard. Suitable for use with dimmers, sensors, daylight harvesting and other control strategies to achieve deeper energy-savings and code compliance. Sensor accessory available: occupancy sensing with daylight cut-off.



LSR Series

4' 26W
8' 48W, 65W

Rated Life 75,000 hours
Limited Warranty 7-years
Efficacy Up to 132 LPW
Continuous Dimming



Quick Ship

LSR-4HE-26/840 XE G3
LSR-4HE-26/850 XE G3
LSR-4HE-26/840 XE G4
LSR-4HE-26/850 XE G4
LSR-8HE-48/840 XE G3
LSR-8HE-48/850 XE G3
LSR-8HE-48/840 XE G4
LSR-8HE-48/850 XE G4
LSR-8VHE-65/840 XE G3
LSR-8VHE-65/850 XE G3
LSR-8VHE-65/840 XE G4
LSR-8VHE-65/850 XE G4

Ordering Information

Example: LSR-4HE-26/850 XE G3

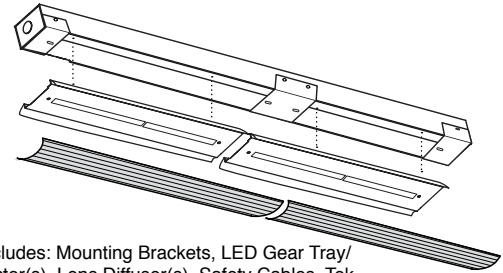
LSR	8	HE	48	8	40	[Blank]	[Blank]
Series	Form Factor	Lumen Package	Nominal Wattage	CRI	Color Temp	Input Voltage	Dimming
LSR	8 8'	HE High Lumen	26 23W (4')	8 83+	40 4000K	Blank	Blank
LED Linear Strip	4 4'	VHE Very High Lumen	48 48W (8')		50 5000K	120V-277V	0-10V
Retrofit Kit			65 65W (8')				Continuous Dimming
Options							
Emergency Backup				Controls*			
EM700 700lm				FIELD INSTALL ONLY: Not Factory Installed. Must order separately.			
EM1400 1400lm				OS Occupancy Sensor			
EM2000 2000lm				OSDL Occ. Sensor w/ Daylight			
				OSDL/IR Multi-Level Occ. Sensor w/ wireless config.			
* Sensor will be fixture-mounted on the side of existing strip							

Specifications and Dimensions subject to change without notice.

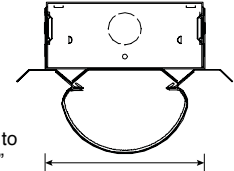
Performance Summary

Input Voltage	120V-277V
Input Frequency	50/60 Hz
Rated Wattage	See Performance Table
Delivered Lumens	See Performance Table
Efficacy	> 130 LPW (typ.)
CRI	83+, R9 > 0
Available CCT ¹	4000K, 5000K
Color Consistency ²	5-step MacAdam Ellipse
Rated Life	75,000 hours
L70 ³	> 72,000 hours
Power Factor	> 0.9
THD	< 20%
Dimming	0-10V Continuous (10-100%)
Operating Temp.	-20°C to 50°C

Mounting Information



Kit includes: Mounting Brackets, LED Gear Tray/ Reflector(s), Lens Diffuser(s), Safety Cables, Tek Screws, 1/4-turn Fasteners.



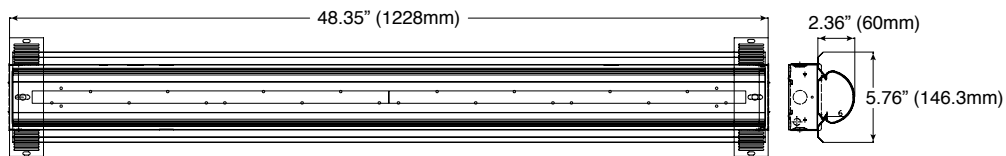
Retrofit kit designed for existing strip housing with width of 4-1/4" to 5-1/4", with a min. depth of 1-5/8"

Performance Data

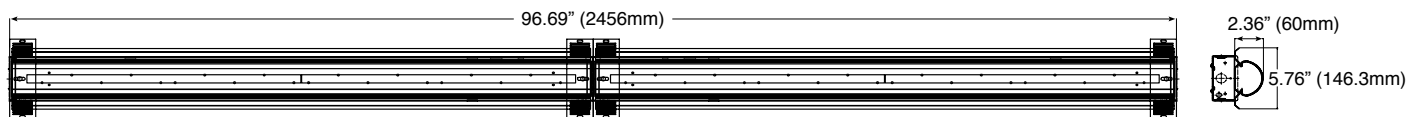
Form Factor	Catalog No.	Rated Wattage (W)	4000K		5000K	
			Delivered Lumens (lm)	Efficacy (lm/W)	Delivered Lumens (lm)	Efficacy (lm/W)
4'	LSR-4HE-26 XE G3	23	2990	130	3013	131
	LSR-4HE-26 XE G4	25	3275	131	3300	132
8'	LSR-8HE-48 XE G3	46	5980	130	6026	131
	LSR-8HE-48 XE G4	46	6026	131	6072	132
	LSR-8VHE-65 XE G3	65	8515	131	8580	132
	LSR-8VHE-65 XE G4	65	8515	131	8580	132

Product Dimensions

LSR-4



LSR-8



DLC QPL Data



DLC QPL Model No.	Product ID.	Technical Req.	Classification	Primary Use
LSR-4HE-26/840 XE G3 (LD3)	PLGCLM6VZWE5	5.0	Premium	Retrofit Kits for Direct Linear Ambient Luminaires
LSR-4HE-26/850 XE G3	PLTV7E2BWLCT	5.0	Premium	Retrofit Kits for Direct Linear Ambient Luminaires
LSR-4HE-26/850 XE G3 (LD3)	PLU3648MB1JL	5.0	Premium	Retrofit Kits for Direct Linear Ambient Luminaires
LSR-4HE-26/835 XE G4	P9TA0ZNR	5.0	Premium	Retrofit Kits for Direct Linear Ambient Luminaires
LSR-4HE-26/840 XE G4	PJ6VSO2V	5.0	Premium	Retrofit Kits for Direct Linear Ambient Luminaires
LSR-4HE-26/850 XE G4	P01OMW75	5.0	Premium	Retrofit Kits for Direct Linear Ambient Luminaires
LSR-8HE-48/840 XE G3	PL3TB0BPUS7C	5.0	Premium	Retrofit Kits for Direct Linear Ambient Luminaires
LSR-8HE-48/850 XE G3	PLZ1OKYTOD5Y	5.0	Premium	Retrofit Kits for Direct Linear Ambient Luminaires
LSR-8VHE-65/850 XE G3	PLBAA3ZJVR5X	5.0	Premium	Retrofit Kits for Direct Linear Ambient Luminaires
LSR-8HE-48/835 XE G4	P4FF59M2	5.0	Premium	Retrofit Kits for Direct Linear Ambient Luminaires
LSR-8HE-48/840 XE G4	PU05UAPL	5.0	Premium	Retrofit Kits for Direct Linear Ambient Luminaires
LSR-8HE-48/850 XE G4	PZBOB9Y9	5.0	Premium	Retrofit Kits for Direct Linear Ambient Luminaires
LSR-8VHE-65/850 XE G3	PLGGIIPBLCYL	5.0	Premium	Retrofit Kits for Direct Linear Ambient Luminaires
LSR-8VHE-65/835 XE G4	PFIPGR2U	5.0	Premium	Retrofit Kits for Direct Linear Ambient Luminaires
LSR-8VHE-65/840 XE G4	PM8SBQG0	5.0	Premium	Retrofit Kits for Direct Linear Ambient Luminaires
LSR-8VHE-65/850 XE G4	PE6SW075	5.0	Premium	Retrofit Kits for Direct Linear Ambient Luminaires

NOTES:

- ¹ Quick ship: 4000K and 5000K. Other CCTs may require a lead time or be special order
- ² Typical color consistency. May vary or be changed.
- ³ L70 hours calculated based on LED package manufacturer LM80 report and ISTMT report of LED in luminaire. Stated values are for select catalog numbers. Contact manufacturer for detailed information

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aleo™
LED LIGHTING
 Aleo Lighting, Inc.
 www.aleoighting.com
 13924 Bettencourt St.
 Cerritos, CA 90703
 Ph: 877-358-8825