



The
FSLETM
Series

LED Linear Strip Light





LED Linear Strip Light



PROJECT: _____

DATE: _____

TYPE: _____

PREPARED BY: _____



KEY FEATURES

- 100,000-Hour LED lifespan
- Field Selectable Color & Wattage on all models
- Motion controls options
- Emergency Battery backup options
- Optional Wire Guard and Connecting Bracket

TECHNICAL SPECIFICATIONS

COMPLIANCE

UL Listed
UL 1598 Suitable for damp locations

IESNA LM79 & LM-80 Testing
Paclights LED luminaires have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80.

DLC Qualification
Selected models of this product are on the Design Lights Consortium (DLC) Qualified Products List and are eligible for rebates from DLC Member Utilities. To view our DLC qualified products, please consult the DLC Qualified Products List at www.design-lights.org/qpl

LED CHARACTERISTICS

LEDS
Long-life, high-ecacy, surface-mount LEDs

Correlated Color Temperature
3500K, 4000K and 5000K selectable with a dip switch

Lifespan
100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations

Color Rendering Index
>82

Color Uniformity
PacLights' range of Correlated Color Temperature follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2017

OTHER

5-Year Limited Warranty**
The PacLights 5-year, limited warranty covers light output, driver performance and paint finish.

**PacLights's warranty is subject to all terms and conditions found at paclights.com/warranty

CONSTRUCTION

Ambient Temperature
Suitable for up to 50° C (122° F) ambient temperature

Cold Weather Starting
The minimum starting temperature is -4 F°/-20° C

Housing
Durable cold rolled steel housing provides strength and uniformity. Luminaire is pre-painted to enhanced smooth finish.

Mounting Methods
Comes standard with surface mount. Accessories available for aircraft cable mounting (up to 120") or chain mount.

Green Technology
Mercury and UV free, and RoHS compliant. Polyester powder coat finish formulated without the use of VOC or toxic heavy metals.

Lens
Frosted

ELECTRICAL

Drivers
Input Voltage: 120-277V, 50-60 Hz
Power Factor : > 0.95, THD< 20%
0-10V continuous dimming, can be dim to 10%

Wattage / Input Voltage/ Input Current
Wattage selectable with a dip switch

Models	MAX Watt.	Watt. Selectable Levels	120v	208v	240v	277v
FSLE-2D25	25w	25w-20w-15w	0.23A	0.13A	0.12A	0.1A
FSLE-4D30L	30w	30w-25w-18w	0.27A	0.16A	0.14A	0.12A
FSLE-4D40M	40w	40w-30w-25w	0.37A	0.21A	0.18A	0.16A
FSLE-4D45H	45w	45w-38w-34w	0.42A	0.24A	0.2A	0.18A
FSLE-8D54L	54w	54w-46w-38w	0.5A	0.29A	0.25A	0.21A
FSLE-8D65M	65w	65w-60w-55w	0.6A	0.35A	0.3A	0.26A
FSLE-8D90H	90w	90w-75w-65w	0.83A	0.48A	0.42A	0.36A

ORDERING INFORMATION

FSLE™

FAMILY	MODEL	CCT	CONTROL	EMERGENCY BACKUP	MOUNTS	OTHER
FSLE						

ORDER# EXAMPLE

FSLE-4D30L-8CT
 FSLE-8D90H-8CT-WG
 FSLE-4D40M-8CT-MC-EM500-AC

MODEL * MUST SELECT ONE

CODE	LENGTH	WATTAGE SELECTABLE
2D25M	2ft	25/20/15w
4D30L	4ft	30/25/18w
4D40M		40/30/25w
4D45H		45/38/34w
8D54L	8ft	54/46/38w
8D65M		65/60/55w
8D90H		90/75/65w

CCT * MUST SELECT ONE

CODE	CRI	CCT SELECTABLE
8CT	> 82	3500K/4000K/5000K

CONTROL * LEAVE BLANK, or SELECT ONE

CODE	PARTS SKU	TYPE	SENSOR	MOUNT	INSTALL
MC	SE-KE-IFS05SE	Standalone	PIR & Daylight	Fixture Integral	FACTORY
MS	SE-BC-BRI819PBD	Standalone	PIR & Daylight	End-mount	FIELD
WBP	KEILTON-IFS105SE	Networked	PIR & Daylight	Fixture Integral	FACTORY

EMERGENCY BATTERY BACKUP * LEAVE BLANK, or SELECT ONE

CODE	PARTS SKU	WATT	EMERGENCY LUMEN	COMPATIBLE	CA CEC TITLE 20 MODEL.#	EMERGENCY RUNTIME	INSTALL
EM500	EMB-4	4w	500 Lumen	FSLE-2D, FSLE-4D	BLD-FM04E-600400	> 90 mins	FACTORY
EM1000	EMB-8	8w	1,000 Lumen	FSLE-4D	BLD-CM20N-480800-8W		
EM1800	EMB-15	15w	1,800 Lumen	FSLE-4D, FSLE-8D	BLD-CM20N-480800-15W		
EM2500	EMB-20	20w	2,500 Lumen	FSLE-8D	BLD-CM20N-YYY		

MOUNTS * LEAVE BLANK, or SELECT ONE

CODE	PARTS SKU	TYPE	INSTALL
AC	AC-SLE-AC	Aircraft Cable Kit, adjustable up to 120"	FIELD
CN	AC-SLE-CN	Chain Kit, V-hook and 40" Chains	

OTHER * LEAVE BLANK, or SELECT ONE or MORE

CODE	PARTS SKU	TYPE	INSTALL
WG	AC-SLE-WG2	Wire Guard for FSLE-2D models	FIELD
	AC-SLE-WG4	Wire Guard for FSLE-4D models	
	(2) AC-SLE-WG4	Wire Guard for FSLE-8D models	
CB	AC-SLE-CB	End-to-End Connecting Bracket/Plate	

PERFORMANCE

Models	Lumen Package	Wattage Setting	CCT Setting	Lumen Output
2 FSLE-2D25M	2,100	15w	3500K	2,040
			4000K	2,190
			5000K	2,070
	2,700	20w	3500K	2,660
			4000K	2,860
			5000K	2,700
	3,300	25w	3500K	3,250
			4000K	3,500
			5000K	3,300
4 FSLE-4D30L	2,700	18w	3500K	2,592
			4000K	2,772
			5000K	2,628
	3,500	25w	3500K	3,450
			4000K	3,700
			5000K	3,500
	4,000	30w	3500K	3,960
			4000K	4,260
			5000K	4,020
4 FSLE-4D40M	3,500	25w	3500K	3,400
			4000K	3,650
			5000K	3,450
	4,100	30w	3500K	3,990
			4000K	4,290
			5000K	4,050
	5,300	40w	3500K	5,200
			4000K	5,600
			5000K	5,280
4 FSLE-4D45H	4,700	34w	3500K	4,624
			4000K	4,964
			5000K	4,692
	5,200	38w	3500K	5,054
			4000K	5,434
			5000K	5,130
	6,000	45w	3500K	5,850
			4000K	6,300
			5000K	5,940

Delivered Lumens, 82 CRI

Models	Lumen Package	Wattage Setting	CCT Setting	Lumen Output
8 FSLE-8D54L	5,600	38w	3500K	5,472
			4000K	5,852
			5000K	5,548
	6,500	46w	3500K	6,348
			4000K	6,808
			5000K	6,440
	7,300	54w	3500K	7,128
			4000K	7,668
			5000K	7,236
8 FSLE-8D65M	7,600	55w	3500K	7,480
			4000K	8,030
			5000K	7,590
	8,100	60w	3500K	7,980
			4000K	8,580
			5000K	8,100
	8,600	65w	3500K	8,450
			4000K	9,100
			5000K	8,580
8 FSLE-8D90H	9,500	65w	3500K	9,295
			4000K	9,945
			5000K	9,425
	10,600	75w	3500K	10,425
			4000K	11,175
			5000K	10,575
	12,100	90w	3500K	11,970
			4000K	12,870
			5000K	12,150

Delivered Lumens, 82 CRI

DLC CHART

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DLC Primary use designation: Direct Linear Ambient Luminaires



MODEL#	CLASS	DLC PRODUCT ID
FSLE-2D25M-8CT-[MC,EM,Blank,Both]A3LB7	Standard	S-XFEM42
FSLE-4D30L-8CT-[MC,EM,Blank,Both]A3B7	Standard	S-87JLVY
FSLE-4D40M-8CT-[MC,EM,Blank,Both]A3B7	Standard	S-21FNZV
FSLE-4D45H-8CT-[MC,EM,Blank,Both]A3B7	Standard	S-VNOIEK
FSLE-8D54L-8CT-[MC,EM,Blank,Both]A3B7	Standard	S-OYV2CZ
FSLE-8D65M-8CT-[MC,EM,Blank,Both]A3B7	Standard	S-D40HA6
FSLE-8D90H-8CT-[MC,EM,Blank,Both]A3B7	Standard	S-N497UT

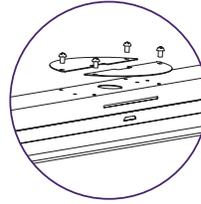
STANDARD FEATURES

Field Selectable Color (CCT) and Power



Select the desired output power or light color temperature by sliding the respective Power or CCT Selection Switch left or right to the desired value. CCT can be adjusted to 3500/4000/5000K, and for each model Wattage/Lumen can be adjusted to the 3 different levels shown on the performance chart.

Surface Mount



The FSLE units can be mounted directly on a surface such as ceiling or wall, or onto a junction box. When mounted to a junction box, a cover plate is included for a tidy finish.

CONTROL Options

INTEGRAL PIR OCCUPANCY & DAYLIGHT CONTROL (-MC)



A PIR (Passive Infrared) sensor is capable of detecting variations in infrared radiation, which depend on the temperature and surface properties of objects in its field of view. This sensor has a 3-step dimming function, which is ideal for areas needing gradual light adjustments before a complete shutdown when no motion is detected.

Additionally, if the daylight threshold function is activated, the sensor can turn off the light based on a preset level of ambient light.

Optional daylight harvesting function further reduces the use of electric lighting in building interiors when natural daylight is available. This function adjusts the artificial lighting levels based on the amount of natural light entering the space, enhancing energy efficiency and providing a more sustainable lighting solution.

The settings for these functions can be fine-tuned using an optional wireless commissioning device.

* FACTORY INSTALLED



- Fixture integral
- PIR motion
- Daylight threshold
- 3-step dimming
- Daylight harvesting
- Wireless configurable



SKU: SE-KE-RM51 wireless commissioning device (sold separately)

-MC Controls Specification *default setting

Sensitivity	50%/100%*
Hold Time (before dim)	30s/5min*/15min/30min
Daylight Threshold	1 fc (low)/50 fc (high), or Disable*
Stand-by Time(before turn off)	10s/5min/15min/30min/60min*, or Never
Stand-by Dimming Level	0%/10%/30%/50%
Detection Height	up to 25ft
Detection Radius	up to 30ft

END-MOUNT PIR OCCUPANCY & DAYLIGHT CONTROL (-MS)



End-mount PIR occupancy & daylight control (field-installed) offers PIR motion and daylight threshold functionalities. It features a 3-step dimming function, which is ideal for areas needing gradual light adjustments before a complete shutdown when no motion is detected. If the daylight threshold function is activated, the sensor can turn off the light based on a preset level of ambient light. The control parameters are adjustable on the control using the dip-switches on the sensor, or with an optional wireless commissioning device.

* FIELD INSTALLED



- Fixture end-mount
- PIR motion
- Daylight threshold
- 3-step dimming
- Dip switches, or wireless configurable



SKU: SE-BC-RC-100 wireless commissioning device (sold separately)

-MS Controls Specification *default setting

Sensitivity	20%/50%/75%/100%*
Hold Time (before dim)	10s*/1min/5min/15min
Daylight Threshold	10/30*/50 Lux, or Disable
Stand-by Time(before turn off)	1min/30min/60min*, or Never
Stand-by Dimming Level	0%/10%/30%/50%
Detection Height	up to 40ft
Detection Radius	up to 30ft

CONTROL Options

Networked Lighting Controls (option: -WBP)



Network Lighting Controls (NLC) offer Luminaire Level Lighting Control (LLLC) based on Bluetooth-enabled Mesh Networking of Luminaires. Individual addressability enables luminaires to be communicated with each other within the zone/network. Luminaires can be grouped, trim and controlled by using the smart device app or connected wall switches. Scheduling, scene and sensors can be added for automation among the lights within the zone/group.

- **(-WBP)** Wireless bluetooth networked control with PIR occupancy and daylight harvesting sensor

* FACTORY INSTALLED



Option: -WBP
SKU: KEILTON-IFS105SE



FREE iOS/Andriod APP will be used to commissioning or customize settings of networked controls.

EMERGENCY BACKUP Option

Emergency Battery Backup (option: -EMxxxx)



FSLE series emergency backup models works out of the box to save time and cost in the installation. When there is a power outage, the emergency backup driver and battery will power the FSLE to an reduced brightness for at least 90 mins.

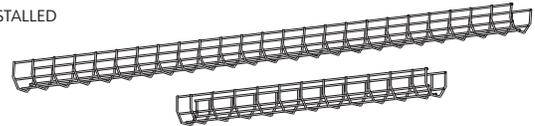
* FACTORY INSTALLED

WIRE GUARD Option

Wire Guard (option: -WG)

Protect FSLE with the impact & vandal resistant wire guard. Use this lighting accessory to reduce damage to the lens from flying debris. Easy to attach on site.

* FIELD INSTALLED



MOUNTS Option

Aircraft Cable Kit (-AC)

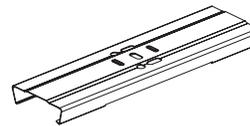


Aircraft cable for suspended mount, adjustable up to 120"

* FIELD INSTALLED

OTHER Option

Connecting Bracket/Plate (-CB)



Connects two or more FSLE end-to-end in a row (electrical wires not included) when suspended mounted.

* FIELD INSTALLED

Chain Mount Kit (-CN)

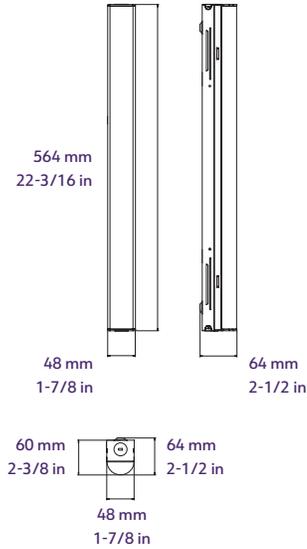
Includes v-hooks and chains.

* FIELD INSTALLED

DIMENSIONS

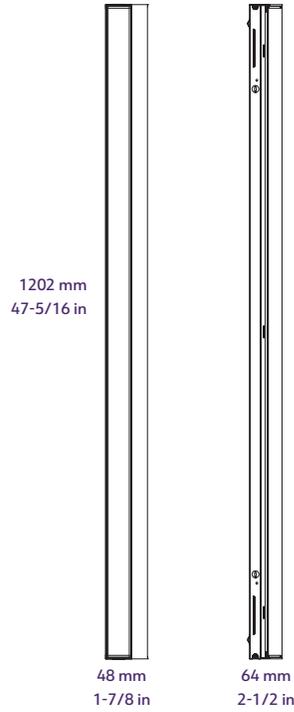
FSLE - 2D (2 Ft)

Weight 2.2 lbs



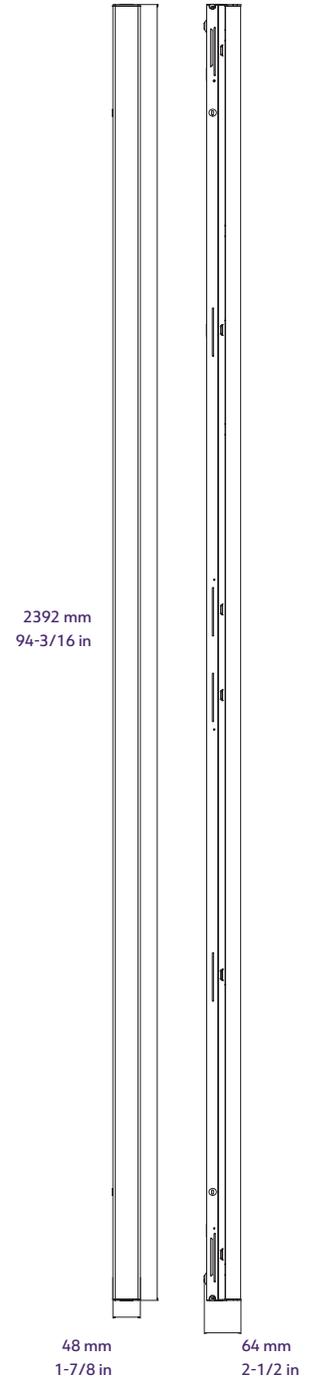
FSLE - 4D (4 Ft)

Weight 3.3 lbs



FSLE - 8D (8 Ft)

Weight 6.4 lbs



FINISHES	
all models	White

PACKAGE	Qty/Case
FSLE-2D	9 pcs
FSLE-4D	9 pcs
FSLE-8D	4 pcs

* individually packed in each case

NETWORKED CONTROLS MADE EASY

Keilton Networked Controls, a DLC® Qualified Networked Lighting Controls Product, make it easy for facilities to save energy, improve occupancy comfort and achieve code compliance by adding Luminaire Level Lighting Controls (LLLC) to indoor and outdoor applications. It allows for easy field installation of sensors and network nodes with selected PacLights controls ready fixtures. Using the Keilton app, nodes can be commissioned without the need for a gateway or internet access.



A Cost-Effective Decentralized Architecture
Direct Mobile Device Provisioning
Best-In-Class Scale, Performance & Reliability



LEARN MORE, VISIT
www.paclights.com/NLC



FEATURES

- Luminaire Level Lighting Control (LLLC)
- Bluetooth-enabled Mesh Networking of Luminaires and Devices
- Individual Addressability, address individual or multiple luminaires
- High-end and Low-end Trim
- Zoning & Grouping
 - ◊ Add and control up to 100 devices per zone
 - ◊ Add unlimited zones to scale for bigger installation
 - ◊ Create unlimited groups (combination of sensor or network nodes) within a zone
 - ◊ Link and control the whole group or zone
- Scene control
 - ◊ Create and link scenes to individual lights or groups within a zone
 - ◊ Select scene with App or wall switch
- Time Scheduling for individual lights, groups or scenes
- Sensors integrated with BLE, occupancy and daylight sensing
- Multi-level Dimming, Daylight Harvesting and Occupancy controls
- Manual/Automatic ON/OFF and Automatic partial ON/OFF control capability
- Control with wireless wall switch or smart device
- Secure commissioning with Keilton App
- Up to 100 ft node-to-node and 50 ft node-to-device
- Demand Response option (works with OpenADR gateways)
- Controlled 120v 20A Receptacle available
- Other control features to meet code compliance



Keilton and its logo is a trademark of Litetrace; **PacLights** and its logo is a trademark of PacLights, LLC
 DLC and its logo is a trademark of DesignLights Consortium.
 Keilton is the qualified system name listed on the DLC Networked Lighting Controls QPL.



NETWORKED CONTROLS for FSLE series



NETWORKED NODES WITH SENSOR

SKU	DESCRIPTION	FUNCTION	CONTROL ORDER CODE
KEILTON-IFS105SE	 KEILTON IFS105SE DC BLUETOOTH MESH NODE W/ PIR DLH SENSOR	Enable network controlled - on & off, dim, trim, zone, group, scene & schedule, etc. And, PIR occupancy & daylight (harvesting) sensing.	-WBP

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