

PacLights

Commercial & Industrial Lighting



The
FSLATM
Series

LED Strip Light





LED Strip Light



PROJECT:

DATE:

TYPE:

PREPARED BY:

**KEY FEATURES**

SnapLink™ Connectors

Color & Power Selectable on all models

Motion, Daylight and Network controls options

Emergency Battery Backup options

Optional Wire Guard

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 QualificationSelected 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.designlights.org/qpl**LED CHARACTERISTICS****LEDs**

Long-life, high-efficacy, surface-mount LEDs

Correlated Color Temperature

3000K, 4000K, 5000K, 5700K and 6500K 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/warrantyCONSTRUCTION****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

Surface mount. Accessories available for aircraft cable suspended 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 off

SnapLink™ Connectors

The fixture is equipped with a male connector on one end and a female connector on the other, connected by pre-wired 18-gauge wires, allowing for continuous runs without rewiring. Both connectors include AC, ground, and 0-10V dimming pins. The connectors are covered while not in use.

Wattage / Input Voltage/ Input Current

Wattage/power selectable with a dip switch

Models	MAX Watt.	Watt. Selectable Levels	120v	208v	240v	277v
FSLA/3-2D	25w	25w-20w-15w	0.23A	0.13A	0.12A	0.10A
FSLA/3-4D	40w	40w-30w-20w	0.37A	0.21A	0.19A	0.16A
FSLA/3-8D	80w	80w-70w-60w	0.74A	0.43A	0.37A	0.32A

ORDERING INFORMATION

FSLA™ generation 3

FAMILY	MODEL	WATTAGE	CCT	CONTROL	EMERGENCY BACKUP	MOUNTS	OTHER
FSLA/3	—		—		—		—

Create an ordering number by populating it with the CODES listed in the tables below, following the format shown above.

EXAMPLE: FSLA/3 - 4D - 40/30/20 - 8CT

EXAMPLE: FSLA/3 - 8D - 70 - 8CT - MC

EXAMPLE: FSLA/3 - 4D - 30 - 8CT - EM1000 - CSM

The PART SKUs, if shown in the tables below, can be ordered separately from the FSLA.

MODEL * MUST SELECT ONE

CODE	LENGTH
2D	2ft
4D	4ft
8D	8ft

WATTAGE

* MUST SELECT ONE

CODE	WATTAGE	COMPATIBLE	CODE	WATTAGE	COMPATIBLE	CODE	WATTAGE	COMPATIBLE
15	15w	2D Models	20	20w	4D Models	60	60w	8D Models
20	20w		30	30w		70	70w	
25	25w		40	40w		80	80w	
25/20/15	25/20/15w Selectable		40/30/20	40/30/20w Selectable		80/70/60	80/70/60w Selectable	

CCT * MUST SELECT ONE

CODE	CRI	COLOR SELECTABLE
8CT	> 82	3000K/4000K/5000K/5700K/6500K

CONTROL * LEAVE BLANK, or SELECT ONE

CODE	PARTS SKU	TYPE	SENSOR	MOUNT	INSTALL
MC	SE-BC-ANT7	Standalone	Microwave & Daylight	Fixture Integral	FACTORY
WBN	KEILTON-FA102	Networked	-	Fixture Integral	
WBM	KEILTON-FA102 + KEILTON-MWS105	Networked	Microwave & Daylight	Fixture Integral	

EMERGENCY BATTERY BACKUP * LEAVE BLANK, or SELECT ONE

CODE	PARTS SKU	WATT	EMERGENCY LUMEN	COMPATIBILITY	CA CEC TITLE 20 MODEL#	EMERGENCY RUNTIME	INSTALL
EM500	EMB-4	4w	500 Lumen	FSLA/3-2D, FSLA/3-4D	BLD-FM04E-600400	> 90 mins	FACTORY
EM1000	EMB-8	8w	1,000 Lumen	FSLA/3-4D	BLD-CM20N-480800-8W		
EM1800	EMB-15	15w	1,800 Lumen	FSLA/3-4D, FSLA/3-8D	BLD-CM20N-480800-15W		
EM2500	EMB-20	20w	2,500 Lumen	FSLA/3-8D	BLD-CM20N-YYY		

MOUNTS * LEAVE BLANK for Surface Mount, or SELECT ONE

CODE	PARTS SKU	TYPE	INSTALL
AC	AC-SLA-AC	Aircraft Cable Kit, adjustable up to 40"	FIELD

OTHER * LEAVE BLANK, or SELECT ONE or MORE

CODE	PARTS SKU	TYPE	INSTALL
WG	AC-SLA-3WG2	Wire Guard for FSLA/3-2D models	FIELD
	AC-SLA-3WG4	Wire Guard for FSLA/3-4D models	
	AC-SLA-3WG8	Wire Guard for FSLA/3-8D models	
CSM	AC-SLA-3CSM	End-to-End Connecting Bracket/Plate, Surface Mount	
CSP	AC-SLA-3CSP	End-to-End Connecting Bracket/Plate, Suspended Mount	

PERFORMANCE

Models	Lumen Package	Wattage Setting	CCT Setting	Lumen Output
2 Delivered Lumens, 82 CRI FSLA/3-2D	2,100	15w	3000K	2,025
			4000K	2,070
			5000K	2,100
			5700K	2,130
			6500K	2,175
	2,800	20w	3000K	2,700
			4000K	2,760
			5000K	2,800
			5700K	2,840
			6500K	2,900
	3,500	25w	3000K	3,375
			4000K	3,450
			5000K	3,500
			5700K	3,550
			6500K	3,625



Models	Lumen Package	Wattage Setting	CCT Setting	Lumen Output
4 Delivered Lumens, 82 CRI FSLA/3-4D	2,800	20w	3000K	2,700
			4000K	2,760
			5000K	2,800
			5700K	2,840
			6500K	2,900
	4,200	30w	3000K	4,050
			4000K	4,140
			5000K	4,200
			5700K	4,260
			6500K	4,350
	5,600	40w	3000K	5,400
			4000K	5,520
			5000K	5,600
			5700K	5,680
			6500K	5,800

Models	Lumen Package	Wattage Setting	CCT Setting	Lumen Output
8 Delivered Lumens, 82 CRI FSLA/3-8D	8,400	60w	3000K	8,100
			4000K	8,280
			5000K	8,400
			5700K	8,520
			6500K	8,700
	9,800	70w	3000K	9,450
			4000K	9,660
			5000K	9,800
			5700K	9,940
			6500K	10,150
	11,200	80w	3000K	10,800
			4000K	11,040
			5000K	11,200
			5700K	11,360
			6500K	11,600

DLC CHART

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.designlights.org/qpl

Primary use designation: **Direct Linear Ambient Luminaires**

MODEL#	CLASS	DLC PRODUCT ID
FSLA/3-2D-X-TbcefBB1	Standard	S-HD6JJ2
FSLA/3-4D-X-TbcefBB1	Standard	S-SM55FT
FSLA/3-8D-X-TbcefBL1	Standard	S-D6JYQK

Primary use designation: **Stairwell and Passageway Luminaires**

MODEL#	CLASS	DLC PRODUCT ID
FSLA/3-2D-X-TbcefBB1	Premium	S-Z5JXTV
FSLA/3-4D-X-TbcefBB1	Premium	S-GX1JC5
FSLA/3-8D-X-TbcefBL1	Premium	S-2MKPDS

Primary use designation: **Low-Bay Luminaires for Commercial and Industrial Buildings**

MODEL#	CLASS	DLC PRODUCT ID
FSLA/3-4D-X-TbcefBB1	Standard	S-SM55FT

Primary use designation: **High-Bay Luminaires for Commercial and Industrial Buildings**

MODEL#	CLASS	DLC PRODUCT ID
FSLA/3-8D-X-TbcefBL1	Standard	S-ZDZJBD



STANDARD FEATURES

FIELD SELECTABLE COLOR (CCT) AND POWER



OUTPUT & CCT
FIELD
ADJUSTABLE

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 3000/4000/5000/5700/6500K, and for each model Wattage/Lumen can be adjusted to the 3 different levels shown on the performance chart.

SNAPLINK™ CONNECTORS



SnapLink™ Connectors

The fixture is equipped with a male connector on one end and a female connector on the other, connected by pre-wired 18-gauge wires, allowing for continuous runs without rewiring. Both connectors include AC, ground, and 0-10V dimming pins. The connectors are covered while not in use.

Maximum per run

The number of fixtures that can be linked depends on the total amperage and input voltage. This is a chart for quick reference only.

Models	120v	208v	240v	277v
FSLA/3-2D	28	50	58	66
FSLA/3-4D	18	32	36	42
FSLA/3-8D	9	16	18	21

CONTROL Options

INTEGRAL OCCUPANCY & DAYLIGHT CONTROL (-MC)



MOTION CONTROL
OPTION

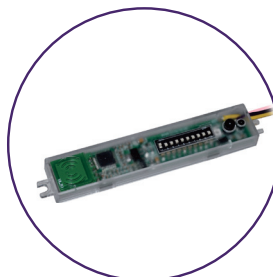
Microwave occupancy control sensor is equipped with a 3-step dimming function that is ideal for areas where gradual changes in lighting are preferred before a complete shutdown. It may detect motion within the range, through materials such as plastic, glass, and thin non-metallic substances such as drywalls.

Additionally, if the daylight sensor feature is activated, it can turn off the light based on predetermined levels 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 with the dip switches on the sensor, or by using an optional wireless commissioning device.

* FACTORY INSTALLED



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



wireless commissioning device
(sold separately)

SKU: SE-BC-RC-100

-MC 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 13ft
Detection Radius	up to 17ft

NETWORKED LIGHTING CONTROLS (OPTION: -WBN OR -WBM)

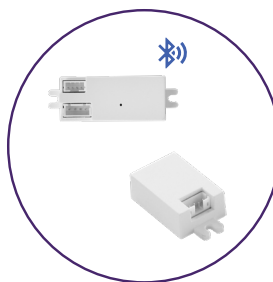


NLC
NETWORKED
CONTROL OPTION

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.

- (-WBM) Wireless bluetooth networked control with microwave occupancy and daylight harvesting sensor
- (-WBN) Wireless bluetooth networked control (node only)

* FACTORY INSTALLED



- Fixture integral
- App configurable
- Group fixtures
- Scheduling / Scene
- Microwave motion sensor option
- Shared sensors within the group
- Daylight functions
- Access control



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

EMERGENCY BACKUP Option

EMERGENCY BATTERY BACKUP (OPTION: -EMXXXX)



EMERGENCY
BACKUP
OPTION

When there is a power outage, the optional emergency backup driver and battery will power the FSLA to an reduced brightness for at least 90 mins.

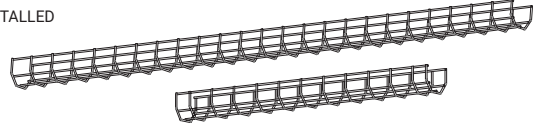
* FACTORY INSTALLED

WIRE GUARD Option

WIRE GUARD (OPTION: -WG)

Protect FSLA 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 40"

* FIELD INSTALLED

OTHER Option

CONNECTING BRACKET/PLATE, SURFACE MOUNT (-CSM)



Connects two or more FSLA end-to-end in a row when surface mounted.

* FIELD INSTALLED

JUNCTION BOX COVER (STANDARD, INCLUDED)



The white junction box cover is design to wire FSLA Strip Light Fixture to an existing ceiling or wall junction box. The semi-gloss white finish provides a perfect match for most ceilings. It's included in the package.

* FIELD INSTALLED

CONNECTING BRACKET/PLATE, SUSPENDED MOUNT (-CSP)



Connects two or more FSLA end-to-end in a row when suspended mounted.

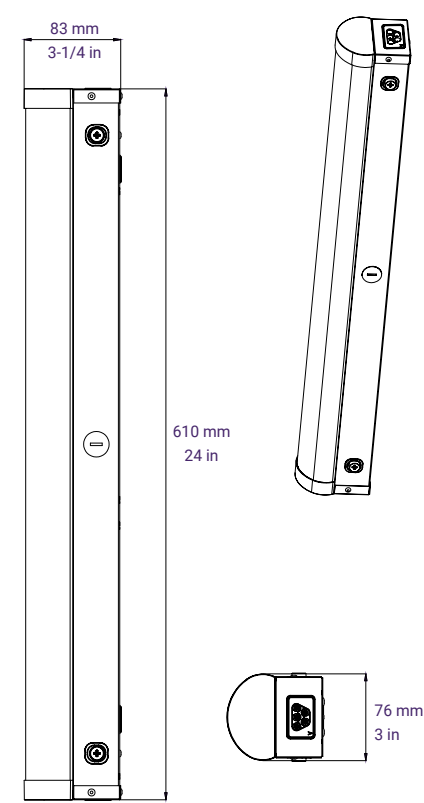
* FIELD INSTALLED



DIMENSIONS

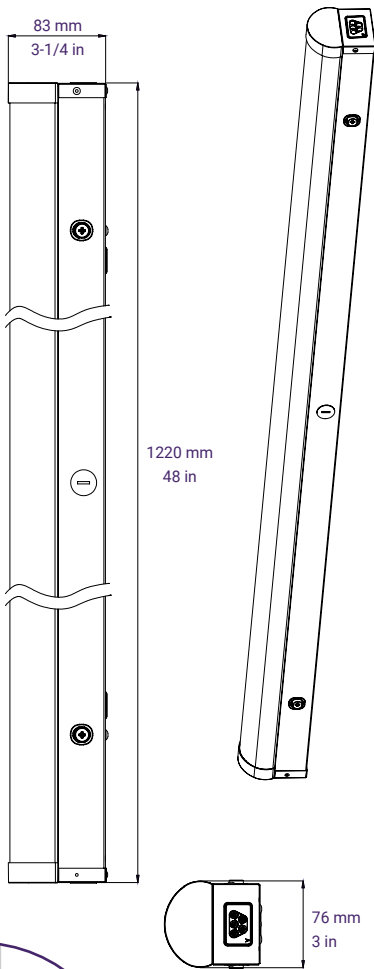
FSLA/3 - 2D (2 FT)

Weight 2.2 lbs



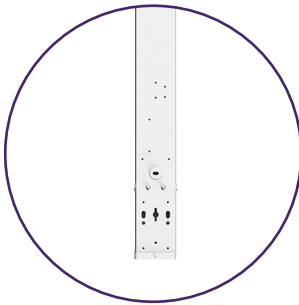
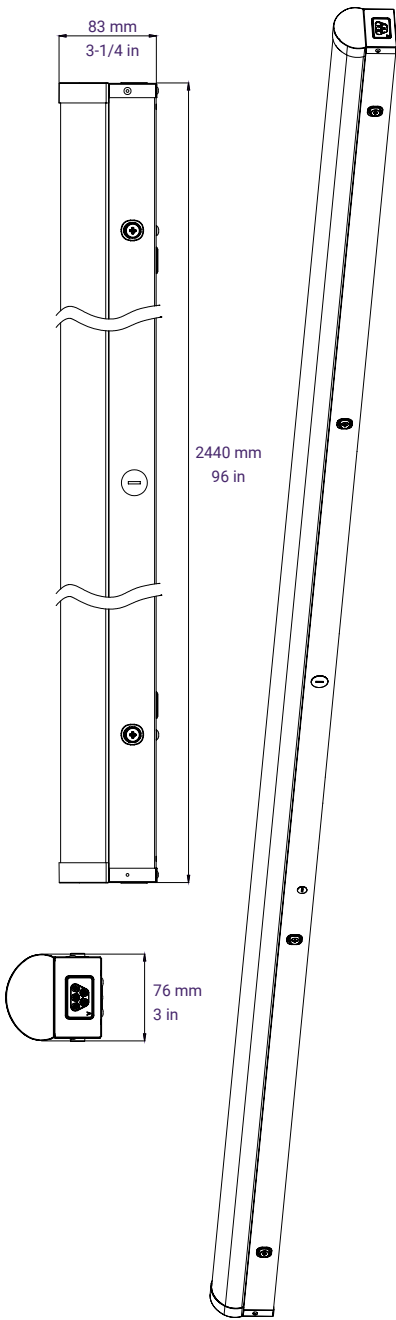
FSLA/3 - 4D (4 FT)

Weight 3.5 lbs



FSLA/3 - 8D (8 FT)

Weight 6.6 lbs



FINISHES	
all models	White

PACKAGE	Qty/Case
FSLA/3-2D	12 pcs
FSLA/3-4D	6 pcs
FSLA/3-8D	6 pcs

* individually packed in each case

NETWORKED CONTROLS MADE EASY

Keilton+autani 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.

Keilton
+ autani



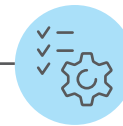
A Cost-Effective Decentralized Architecture

Direct Mobile Device Provisioning

Best-In-Class Scale, Performance & Reliability



INSTALL



COMMISSION



CONTROL



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+autani 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 FSLA series



PacLights

NETWORKED NODE ONLY

SKU		DESCRIPTION	FUNCTION	ORDER CODE
KEILTON-FA102		KEILTON FA102 DC BLUETOOTH MESH NODE	Enable network controlled - on & off, dim, trim, zone, group, scene & schedule, etc.	-WBN

* factory installed, other components may be needed

NETWORKED NODE WITH SENSOR

SKU		DESCRIPTION	FUNCTION	ORDER CODE
KEILTON-FA102		KEILTON FA102 DC BLUETOOTH MESH NODE	Enable network controlled - on & off, dim, trim, zone, group, scene & schedule, etc.	-WBM
KEILTON-MWS105		KEILTON MWS105 ECO MICRO-WAVE DLH SENSOR	Enable sensor functionality to a NLC node - Microwave occupancy & daylight (harvesting) sensing	

* factory installed, other components may be needed

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