

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 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.designlights.org/qpl

LED CHARACTERISTICS

LEDS

Long-life, high-ecacy, 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/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

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 | - | <input type="text"/> | - | <input type="text"/> | - | <input type="text"/> | - | <input type="text"/> |

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

Delivered Lumens, 82 CRI

2

| Models | Lumen Package | Wattage Setting | CCT Setting | Lumen Output |
|------------------|---------------|-----------------|-------------|--------------|
| 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 | |
| 3,500 | 25w | 6500K | 2,900 | |
| | | 3000K | 3,375 | |
| | | 4000K | 3,450 | |
| | | 5000K | 3,500 | |
| | | | 5700K | 3,550 |
| | | | 6500K | 3,625 |



Delivered Lumens, 82 CRI

4

| Models | Lumen Package | Wattage Setting | CCT Setting | Lumen Output |
|------------------|---------------|-----------------|-------------|--------------|
| 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 | |
| 5,600 | 40w | 6500K | 4,350 | |
| | | 3000K | 5,400 | |
| | | 4000K | 5,520 | |
| | | 5000K | 5,600 | |
| | | | 5700K | 5,680 |
| | | | 6500K | 5,800 |

Delivered Lumens, 82 CRI

8

| Models | Lumen Package | Wattage Setting | CCT Setting | Lumen Output |
|------------------|---------------|-----------------|-------------|--------------|
| 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 | |
| 11,200 | 80w | 6500K | 10,150 | |
| | | 3000K | 10,800 | |
| | | 4000K | 11,040 | |
| | | 5000K | 11,200 | |
| | | | 5700K | 11,360 |
| | | | 6500K | 11,600 |



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

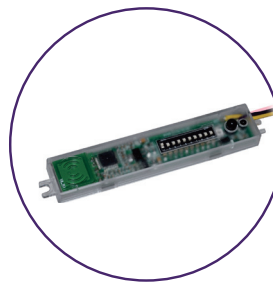
Microwave occupancy control sensor is equipped with a 3-step dimming function that is ideal for areas where gradual changes in lighting are preferred before a complete shutdown. It may detect motion within the range, through materials such as plastic, glass, and thin non-metallic substances such as drywalls.

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)

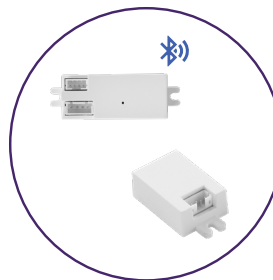


NLC NETWORKED CONTROL OPTION

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.

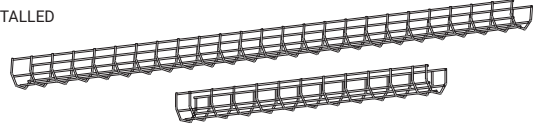
* FACTORY INSTALLED

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.

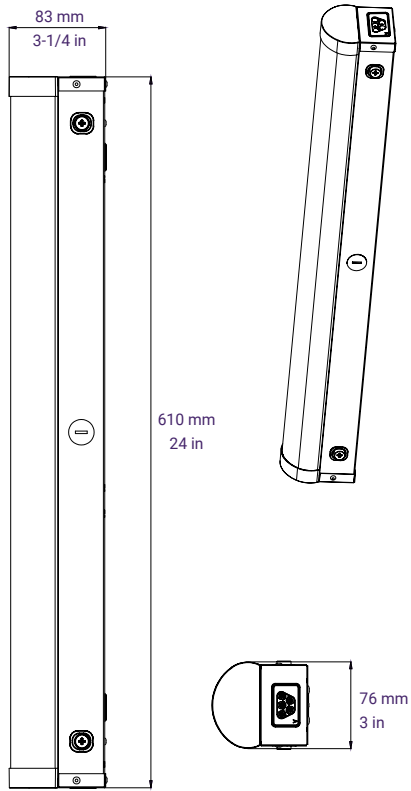
* FIELD INSTALLED



DIMENSIONS

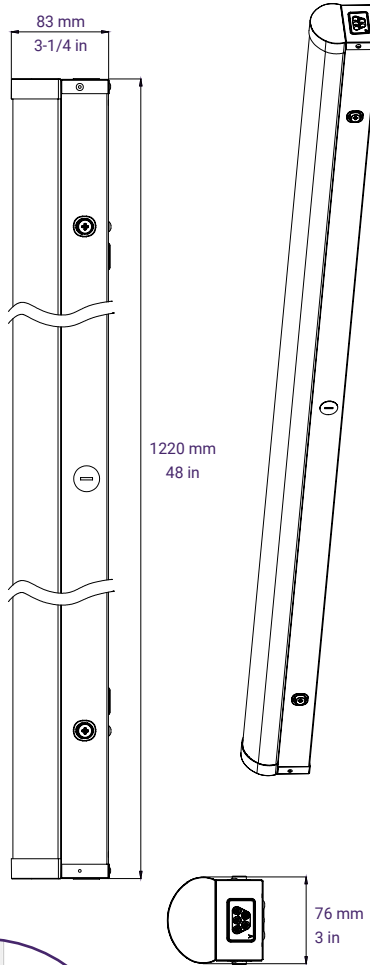
FSLA/3 - 2D (2 FT)

Weight 2.2 lbs



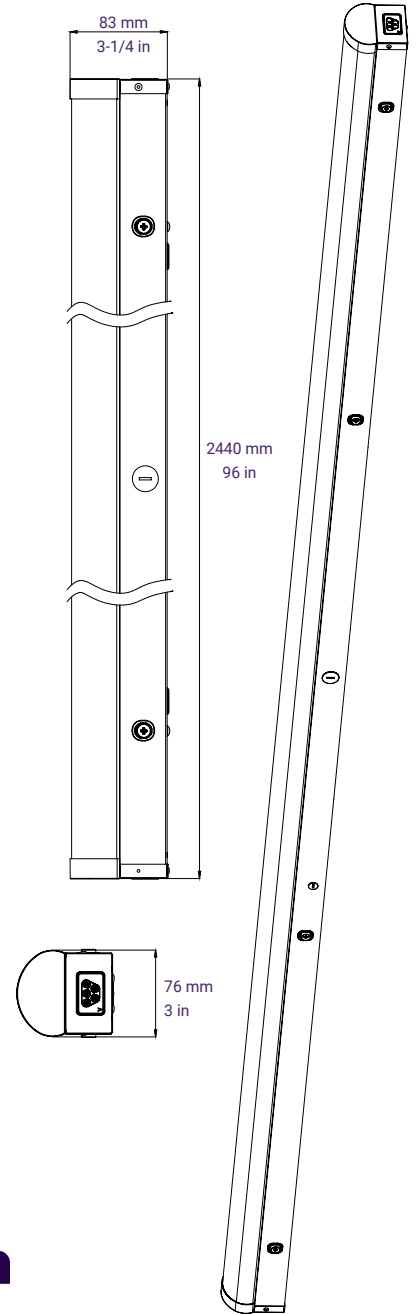
FSLA/3 - 4D (4 FT)

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 CONTROL by

LIGHTING PLATFORM by

Keilton
+ autani

PacLights

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



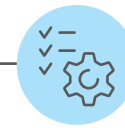
A Cost-Effective Decentralized Architecture

Direct Mobile Device Provisioning

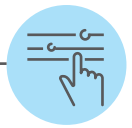
Best-In-Class Scale, Performance & Reliability



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

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.