



LSE SERIES

LED STRIP LIGHT

INTRODUCTION

The FGE-LSE Series LED strip light features a sleek, minimalist design with a white, elongated profile, making it a versatile solution for offices, corridors, and other commercial interiors. It provides uniform, glare-free illumination for bright and consistent lighting performance.

Crafted from high-quality materials, the fixture ensures durability and dust resistance for long-term, reliable operation. Integrated mounting points enable quick and easy installation on ceilings.

Equipped with advanced LED technology, it delivers exceptional energy efficiency and high luminous efficacy with minimal power consumption. Its long lifespan helps reduce maintenance and replacement costs.

With its clean, modern aesthetic, this fixture seamlessly complements a wide range of interior styles, combining functionality, efficiency, and visual appeal in one elegant design.



FEATURES



Wattage Selectable: Multi-wattage options in a single fixture for flexible applications and reduced inventory.



CCT Tunable: Adjustable color temperature to suit diverse environments.



High Efficacy & Energy Saving: Up to 130 lm/W or 150 lm/W, reducing energy consumption by over 60% compared with HID fixtures.



Smart Control Ready: Compatible with 0-10V/DALI dimming, optional microwave/infrared sensor, and emergency kit.



QUICK & EASY

Easy Installation and Maintenance:

Reduce installation time and maintenance labor, effectively lowering overall operational costs.



SENSOR

Factory Built-in Sensor Options: Provides smart lighting control to improve energy efficiency and convenience.



EMERGENCY
BACKUP

90 Minutes EM Back-up Options:

Ensuring safety and visibility during critical moments.



RELIABLE
WARRANTY

Reliable Warranty:

5 Years Warranty.

- Advanced Optical Design:

High-transmittance PC lens with 120° beam options, ensuring uniform illumination and glare reduction.

- Robust Protection:

IK08 impact resistance for harsh industrial environments.

- Superior Thermal Management:

Cold rolled metal housing with optimized heat sink for reliable performance.

- Versatile Mounting Options:

Surface-mounted, suspended, and continuous row mounting for flexible installation.

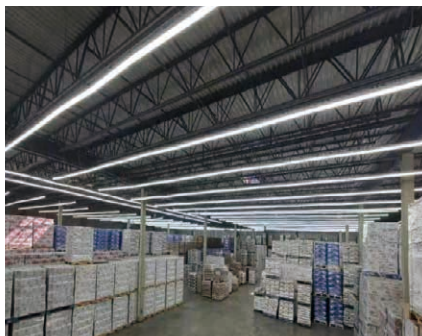
- Wide Input Voltage:

AC120-277V, suitable for global power grids.

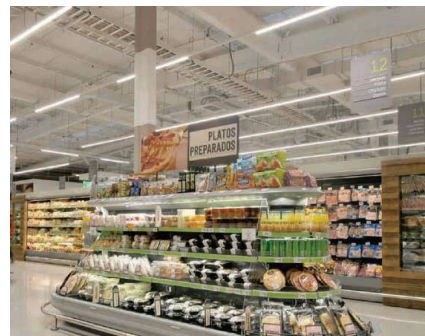
APPLICATIONS



Offices & Multi-functional Spaces: Provides uniform, glare-free lighting for workspaces, enhancing productivity and visual comfort.



Warehouses: Delivers high-lumen, glare-free light distribution, ensuring every corner of the warehouse is well-lit for safe operations and inventory management.



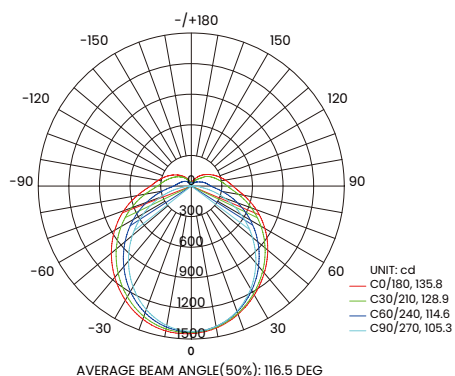
Supermarkets & Shopping Malls: Create a bright, inviting atmosphere with uniform, glare-free illumination.

TECHNICAL PARAMETERS

Product Model	LSE-40W	LSE-50W	LSE-80W
Length	4FT	4FT	8FT
Electrical Performance			
Wattage Selectable	40W/30W/25W	50W/40W/30W	80W/64W/50W
Input Voltage	AC120-277V	AC120-277V	AC120-277V
Frequency	50/60Hz	50/60Hz	50/60Hz
Power Factor (PF)	>0.9	>0.9	>0.9
Surge Protection	4KV	4KV	4KV
THD	<20%	<20%	<20%
Optical Performance			
Luminous Efficacy	130lm/W 150lm/W	130lm/W 150lm/W	130lm/W 150lm/W
Luminous Flux	5200lm/3900lm/3250lm 6000lm/4500lm/3750lm	6500lm/5200lm/3900lm 7500lm/6000lm/4500lm	10400lm/8320lm/6500lm 12000lm/9600lm/7500lm
CCT Selectable	3500K/4000K/5000K	3500K/4000K/5000K	3500K/4000K/5000K
CRI	Ra>80	Ra>80	Ra>80
Beam Angle	120°	120°	120°
Unified Glare Rating (UGR)	<28	<28	<28
Reliability			
Lifetime	>100,000h, L70 @25°C	>100,000h, L70 @25°C	>100,000h, L70 @25°C
Operating Temperature	-20 ~ +45°C	-20 ~ +45°C	-20 ~ +45°C
Storage Temperature	-40 ~ +70°C	-40 ~ +70°C	-40 ~ +70°C
Ingress Protection	IP20	IP20	IP20
Impact Resistance	IK08	IK08	IK08
Control			
Dimming	0-10V/DALI	0-10V/DALI	0-10V/DALI
Sensor	Motion Sensor	Motion Sensor	Motion Sensor
Communication Protocol	Bluetooth/Zigbee/LoRa	Bluetooth/Zigbee/LoRa	Bluetooth/Zigbee/LoRa
Emergency Kit	8W Battery Backup	8W Battery Backup	8W Battery Backup
Mechanical			
Housing Material	Cold rolled metal	Cold rolled metal	Cold rolled metal
Lens Material	Polycarbonate	Polycarbonate	Polycarbonate
Net Weight	1.6kg	1.6kg	3.35kg
Dimensions	1220x75x83mm	1220x75x83mm	2438x75x83mm
Warranty	5 Years	5 Years	5 Years

PHOTOMETRICS

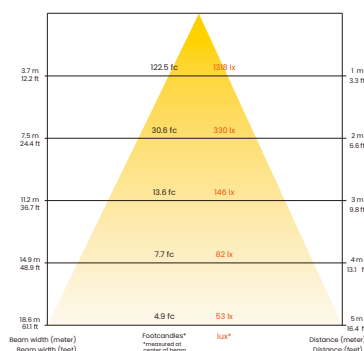
Luminous Intensity Distribution Diagram



120°

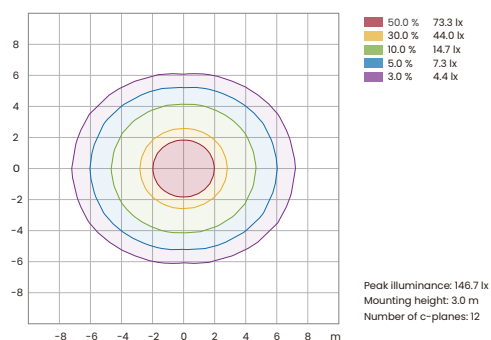
ILLUMINANCE DISTRIBUTION

Illuminance at A Distance



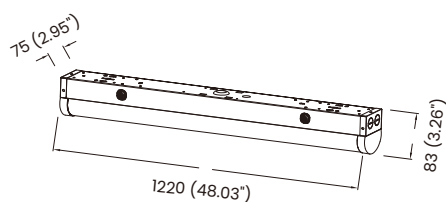
120°

Iso-illuminance Diagram (Iso-lux)

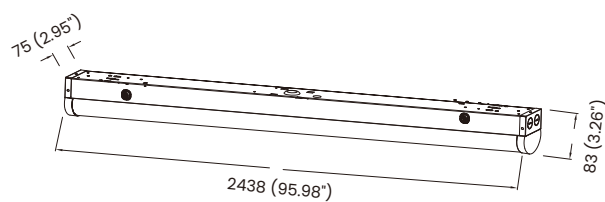


120°

MECHANICAL DIMENSIONS



40W/30W/25W 50W/40W/30W

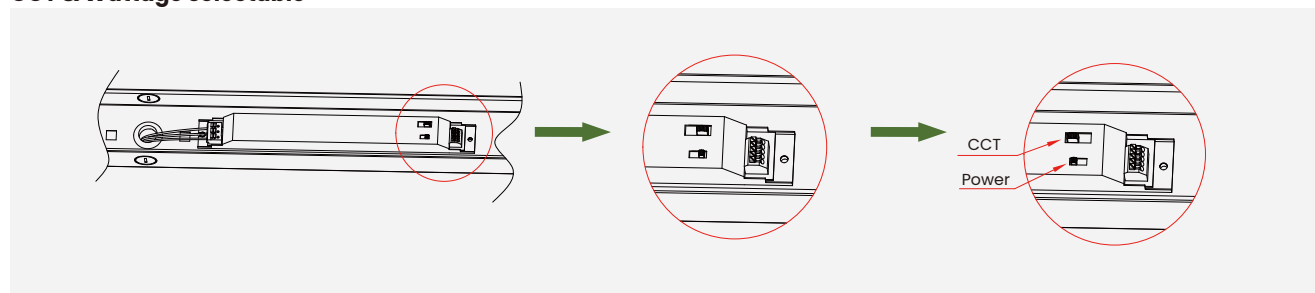


80W/64W/50W

Packing	With inner box		
Product Model	LSE-40W	LSE-50W	LSE-80W
Wattage Selectable	40W/30W/25W	50W/40W/30W	80W/64W/50W
Outer box (L*W*H)	1230x85x94mm(48.4"x3.34"x3.7")	1230x85x94mm(48.4"x3.34"x3.7")	2448x85x94mm(96.4"x3.35"x3.7")
Q'ty/Ctn	8pcs	8pcs	4pcs
N.W./Ctn	3.52kg/1.6lbs	3.52kg/1.6lbs	7.37kg/3.35lbs
G.W./Ctn	32.34kg/14.7lbs	32.34kg/14.7lbs	33.44kg/15.2lbs
Remarks	-	-	-

INSTALLATION

CCT & Wattage selectable

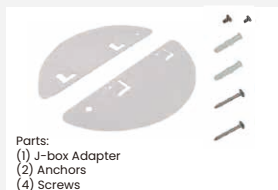


INSTALLATION

Surface-mounted Installation

Parts List

Surface mount kit-4ft(included)

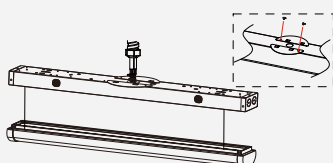


Surface mount kit-8ft(included)

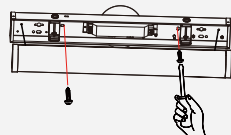


3. Run the fixture's power wires through the center hole, of the round J-box adapter. Slide and secure the round J-Box adapter on the center slots located on the back of the fixture.

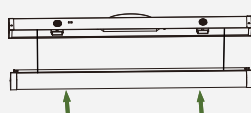
Note: J-Box adapter is used to cover the Junction Box



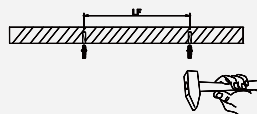
5. Secure the fixture to the wall with the correct mounting hardware.



6. Press upward the cover and lock it with springs tightly which located into the fixture.



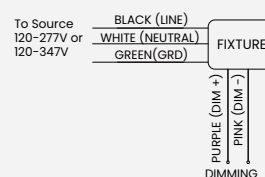
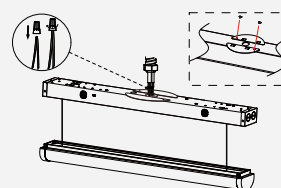
1. Punch a hole on the wall and put the expansion tube inside.



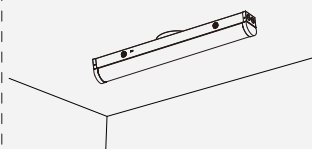
2. Swing open fixture by pushing in/squeezing both buttons located on opposite ends.



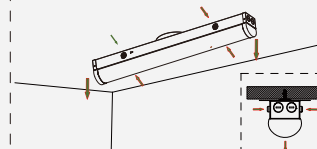
4. Turn off the power and make wiring by using wire nuts according to wiring diagram.



7. The installation is completed and energize the luminaire to verify operation.



8. Swing open fixture by pushing in/squeezing both buttons located on opposite ends, if need to disassemble the fixture.



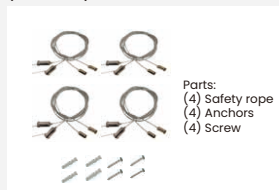
Suspension Mount Installation

Parts List

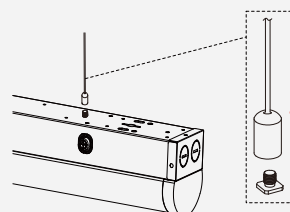
Suspending installation-4ft (included)



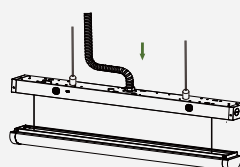
Suspending installation-8ft (included)



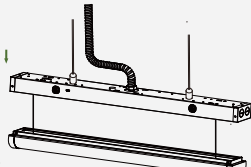
3. Use M5 square screw and M5 fixed head to fix LED strip light.



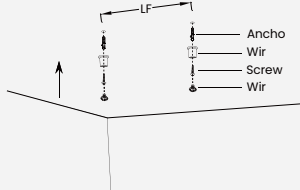
5. Insert the terminal block and wires into the lamp housing.



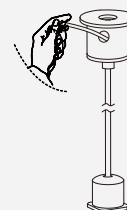
6. Press upward the cover and lock it.



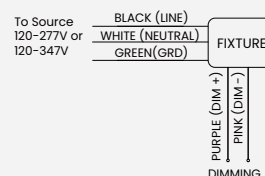
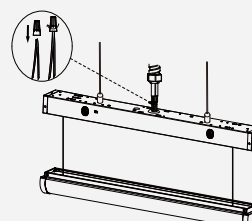
1. Fixing the hook and suspending the lamp.



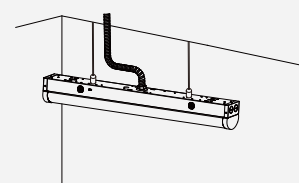
2. Adjusting the hanging rope length.



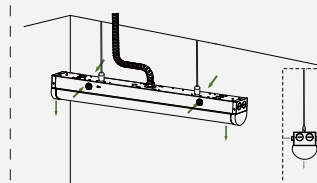
4. Turn off the power and wiring by using wire nuts.



7. The installation is completed and energize the luminaire to verify operation.



8. Swing open fixture by pushing in/squeezing both buttons located on opposite ends, if need to disassemble the fixture.



INSTALLATION

Continuous Row Mounting Options

LED Strip Light Linkable QTY

Size	Watts	120V		277V		Suggested Linkable QTY
		Current	QTY	Current	QTY	
4FT	50/40/30W	0.46	10	0.2	24	≤10 PCS
8FT	80/64/50W	0.65	7	0.28	17	≤8 PCS

LED Strip Light Linkable QTY

Size	Watts	120V		347V		Suggested Linkable QTY
		Current	QTY	Current	QTY	
4FT	50/40/30W	0.46	10	0.16	30	≤10 PCS
8FT	80/64/50W	0.65	7	0.23	21	≤8 PCS

1. Surface-mounting continuous row mounting (daisy connection)

Parts List

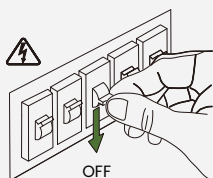
Continuous Row Mounting-4FT(included)



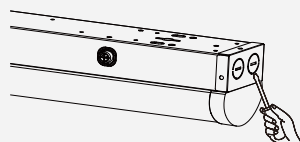
Continuous Row Mounting-8FT(included)



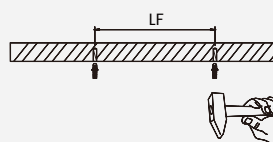
1. Turn off the power.



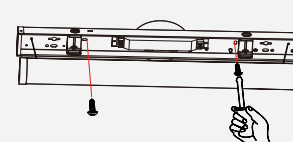
2. Screwed off the knockout hole at the end of lamp body.



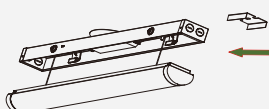
3. Drill holes at a suitable position on the wall and drive the anchor into the wall.



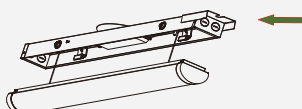
4. Use a screwdriver to tighten the screws to fix the lamp body on the wall.



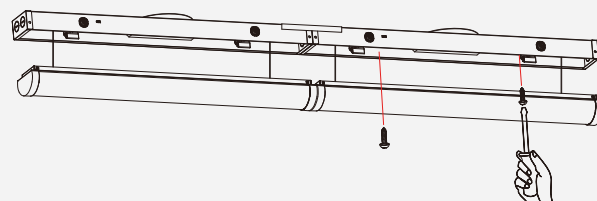
5. Fix the connection bracket on the wall.



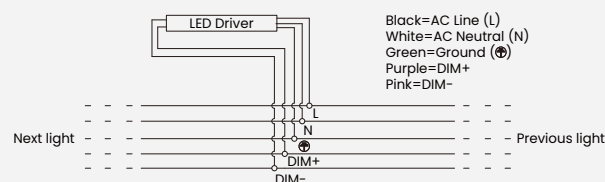
6. Insert the strip light into the connection bracket, then drill holes at a suitable position in the wall for installing the next strip light.



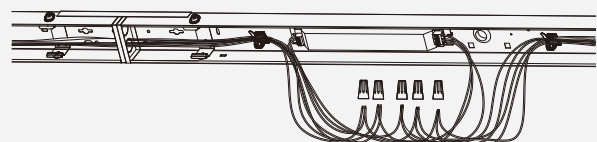
7. Fix the lamp body on the wall by screws, complete the installation; repeat the previous procedure to install the 3rd strip light, 4th strip light etc.



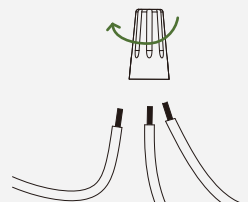
8. Wiring diagram.



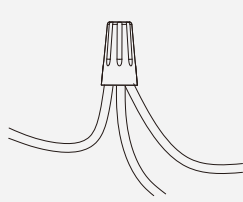
9. Take the black/white/green wire harness and connect to the existing wire connectors on the input wires of the driver respectively. When using the dimming function, take the purple and pink wire harness and make connection to driver. Please make wiring connection using the wiring diagram in Step 8.



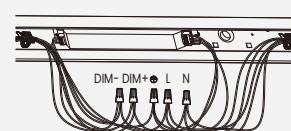
10. The same type of electronic wires are inserted into the same wire nut and combined into a parallel circuit.



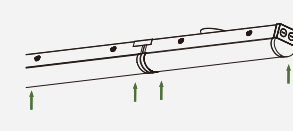
11. Tighten the wires in the wire nut as the photo shows below.



12. Once wiring is completed, take wire harness and run it through the knockouts of the connecting fixture. Use self-adhesive cable ties to eliminate any cable tangles and clutter.



13. Secure the LED Cover to the housing by pressing upward and lock it into the fixture. Energize the luminaire to verify operation.



INSTALLATION

Continuous Row Mounting Options

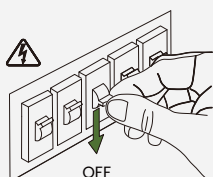
2. Suspending continuous row mounting (daisy connection)

Parts List

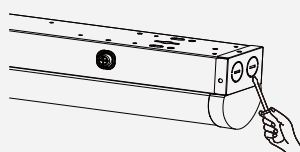
Continuous Row Mounting-4FT(included)



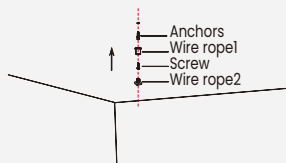
1. Turn off the power.



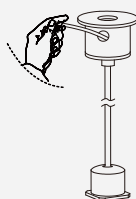
2. Screwed off the knockout hole at the end of lamp body.



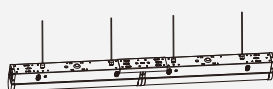
5. Drill holes on the wall as well as lock the accessories orderly (as shown).



6. Adjust the length of safety rope after locked.



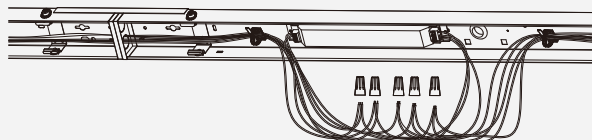
9. Install all lamps which need suspending as step above.



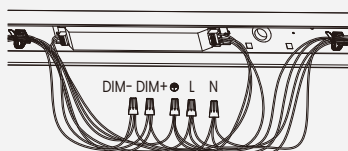
10. Press the button on both sides of light and remove LED Cover.



12. Take the black/white/green wire harness and connect to the existing wire connectors on the input wires of the driver respectively. When using the dimming function, take the purple and pink wire harness and make connection to driver. Please make wiring connection using the wiring diagram in Step 11.



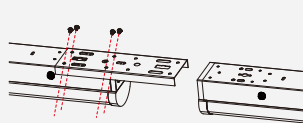
15. Once wiring is completed, take wire harness and run it through the knockouts of the connecting fixture. Use self-adhesive cable ties to eliminate any cable tangles and clutter.



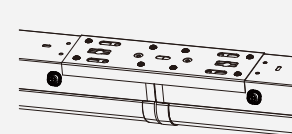
Continuous Row Mounting-8FT(included)



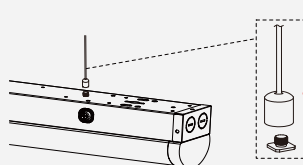
3. Fix the connection bracket at the end of one lamp with screw.



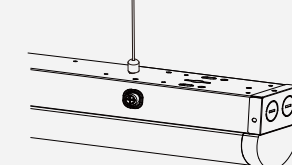
4. As shown, the drawing of connecting finished.



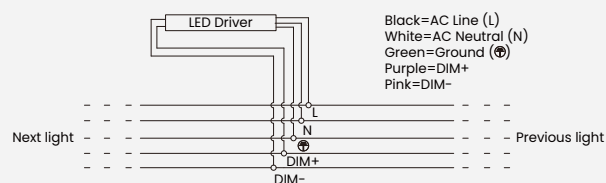
7. Lift up the light, fasten the hooks to the lamp.



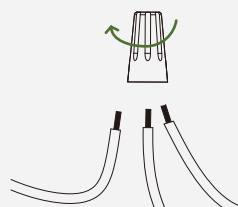
8. Finished safety rope installation as shown.



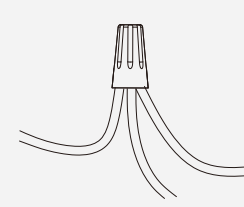
11. Wiring diagram.



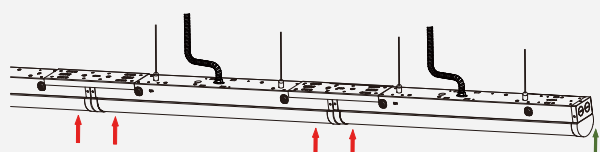
13. Insert the electronic wire into the wire nut.



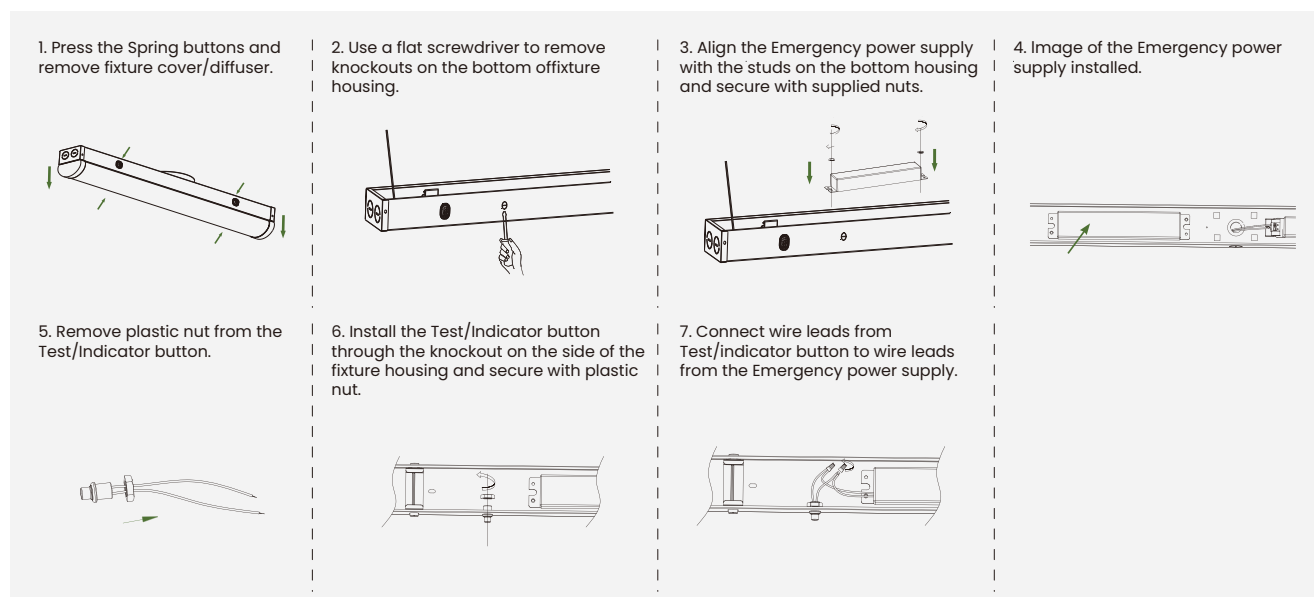
14. The same type of electronic wires are inserted into the same wire nut and combined into a parallel circuit.



16. Secure the LED Cover to the housing by pressing upward and lock it into the fixture. Energize the luminaire to verify operation.

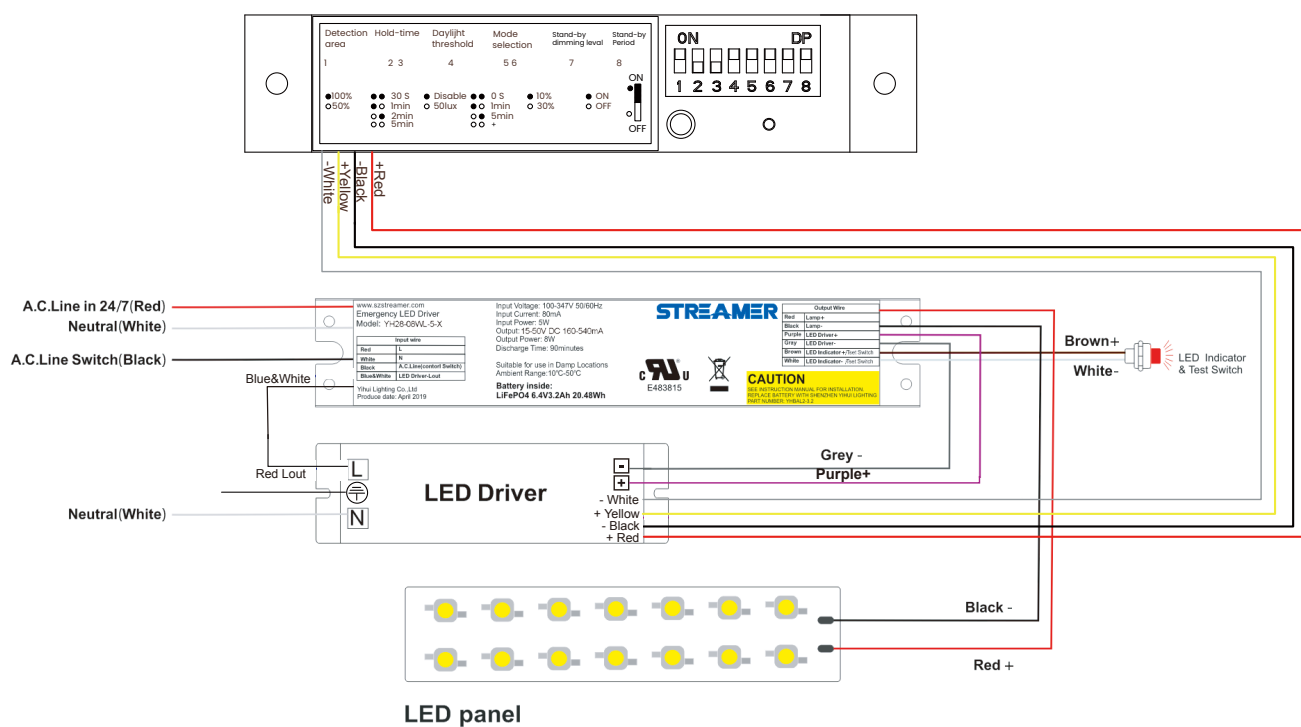


INSTALLATION OF EMERGENCY POWER SUPPLY

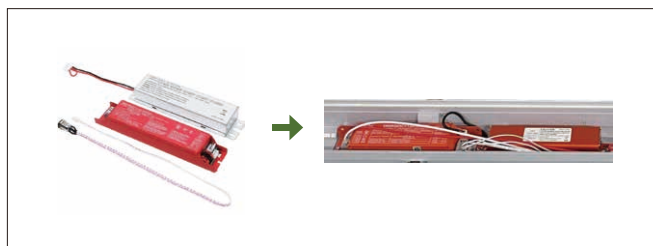


WIRING DIAGRAMS

In order to avoid interference between the microwave sensors during operation, the installation distance between the lamps should not be less than one meter.



ACCESSORIES



90 Minutes EM Back-up

ORDER INFORMATION

LSE-YY-YY-YY

① ② ③ ④ ⑤ ⑥ ⑦

① LSE Series LED Strip Light

② Wattage

40W	40W/30W/25W
50W	50W/40W/30W
80W	80W/64W/50W

③ Color Temperature

35K	3500K
40K	4000K
50K	5000K

④ Voltage

(Blank)	120-277V
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⑤ EM Back-up

(Blank)	Without EM Back-up
EM	With EM Back-up

⑥ Optics

(Blank)	120°
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⑦ Control

(Blank)	No Socket
S	Sensor Socket
C	Control Module



WARRANTY PERIOD
**5 YEARS
WARRANTY**



WARRANTY COVERAGE
**LED LIGHT SOURCE,
DRIVER**



AFTER-SALES
SERVICE COMMITMENT
24H RESPONSE



AFTER-SALES
SERVICE COMMITMENT
72H RESOLUTION/REPLACEMENT