



LSA SERIES

UP/DOWN LINEAR LIGHT

INTRODUCTION

The FGE-LSA Series Up/Down Linear Light is a stylish and versatile lighting solution designed for offices, commercial spaces, meeting rooms, and architectural interiors. Featuring a dual-emission design, it provides both direct and indirect lighting, creating balanced brightness and a comfortable visual environment.

Equipped with high-efficacy LED chips and microprismatic optical lenses, the LSA delivers soft, uniform, and glare-free illumination with an efficiency of up to 130 lm/W. Its slim aluminum profile ensures elegant appearance and excellent heat dissipation, suitable for suspended, wall mounted and surface-mounted installation.

Available in various lengths, wattages, and CCT options, the LSA Series supports DALI / 0-10V dimming and continuous connection, allowing flexible configuration for different space designs. With a 100,000-hour lifetime and 5-year warranty, it offers a refined, durable, and energy-efficient lighting solution for modern architectural environments.



FEATURES



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



Seamless connection up to 600W: Easy installation, unified power supply, and flexible expansion for large-space lighting.



5 CCTs Tunable: Adjustable color temperature to suit diverse environments.



Motion Sensor Option: Provides smart lighting control to improve energy efficiency and convenience.



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



90 Minutes EM Back-up Options: Ensuring safety and visibility during critical moments.



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

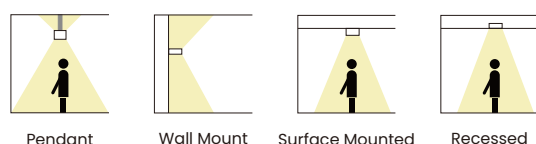


Reliable Warranty: 5 Years Warranty.

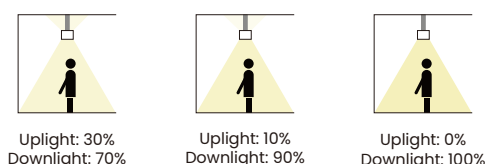
Flexible Configurations: As many as eight fixtures can be linked together on one power source, and all shaped fixtures feature uniform lighting that eliminates hot spots. It empowers users through customization and personalization.



Multiple mounting options: They offer ultimate flexibility for installation in any environment or application.



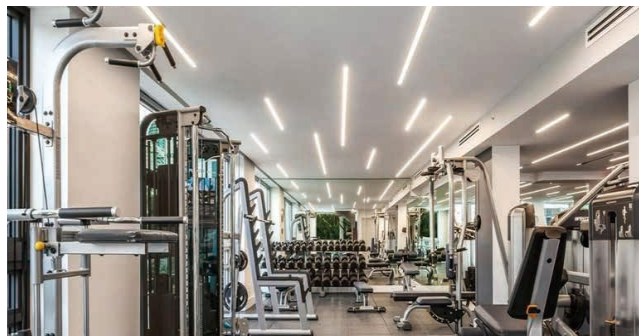
Adjustable Light Distributions: It delivers precise, efficient, and adaptive lighting by directing light exactly where and when it's needed.



APPLICATIONS



Offices: Linear suspended lights with indirect lighting are designed to distribute light evenly across workstations, reducing harsh shadows and glare from computer screens. This minimizes eye strain, fatigue, and headaches, helping employees maintain focus for longer periods.



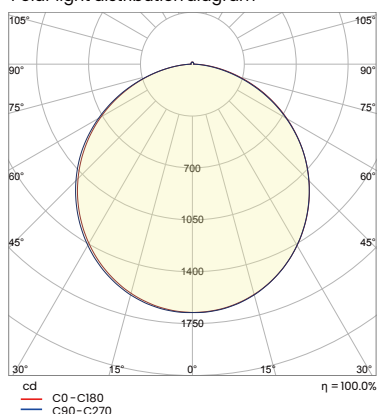
Gyms: Architectural lighting is not just about illuminating indoor gym spaces, it integrates functionality, user experience, and safety while enhancing the gym's aesthetic appeal.

TECHNICAL PARAMETERS

Product Model	LSA-40W	LSA-50W	LSA-100W
Length	2ft	4ft	8ft
Electrical Performance			
Wattage Selectable	40W/30W/25W/20W/15W	50W/40W/35W/30W/25W	100W/80W/70W/60W/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	2KV	2KV	2KV
THD	<20%	<20%	<20%
Optical Performance			
Luminous Efficacy	130lm/W	130lm/W	130lm/W
Luminous Flux	5200lm/3900lm/3250lm/2600lm/1950lm	6500lm/5200lm/4550lm/3900lm/3250lm	13000lm/10400lm/9100lm/7800lm/6500lm
CCT Selectable	3500K/4000K/5000K/5700K/6500K	3500K/4000K/5000K/5700K/6500K	3500K/4000K/5000K/5700K/6500K
CRI	Ra>80	Ra>80	Ra>80
Beam Angle	90°	90°	90°
Unified Glare Rating (UGR)	<28	<28	<28
Reliability			
Lifetime	>100,000h	>100,000h	>100,000h
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	-	-	-
Emergency Kit	-	-	-
Mechanical			
Housing Material	Aluminum	Aluminum	Aluminum
Lens Material	Polycarbonate	Polycarbonate	Polycarbonate
Coating	White/Black	White/Black	White/Black
Net Weight	1.2kg	2.1kg	3.6kg
Dimensions	575x69x80mm	1203x69x80mm	2400x69x80mm
Warranty	5 Years	5 Years	5 Years

PHOTOMETRICS

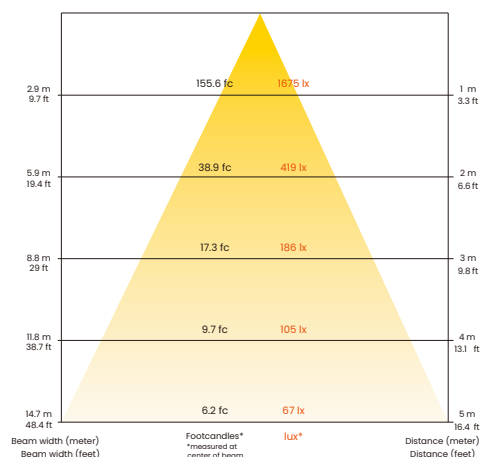
Polar light distribution diagram



90°

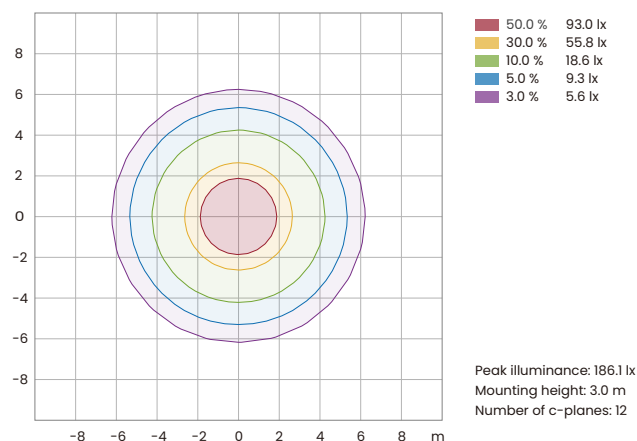
ILLUMINANCE DISTRIBUTION

Illuminance at A Distance



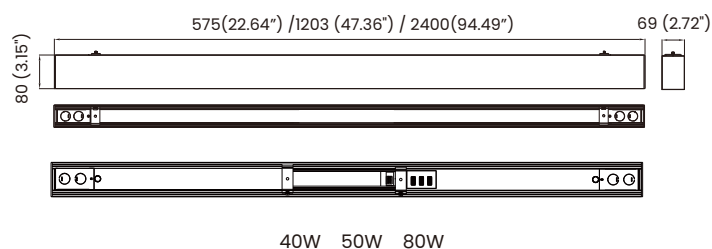
90°

Iso-illuminance Diagram (Iso-lux)



90°

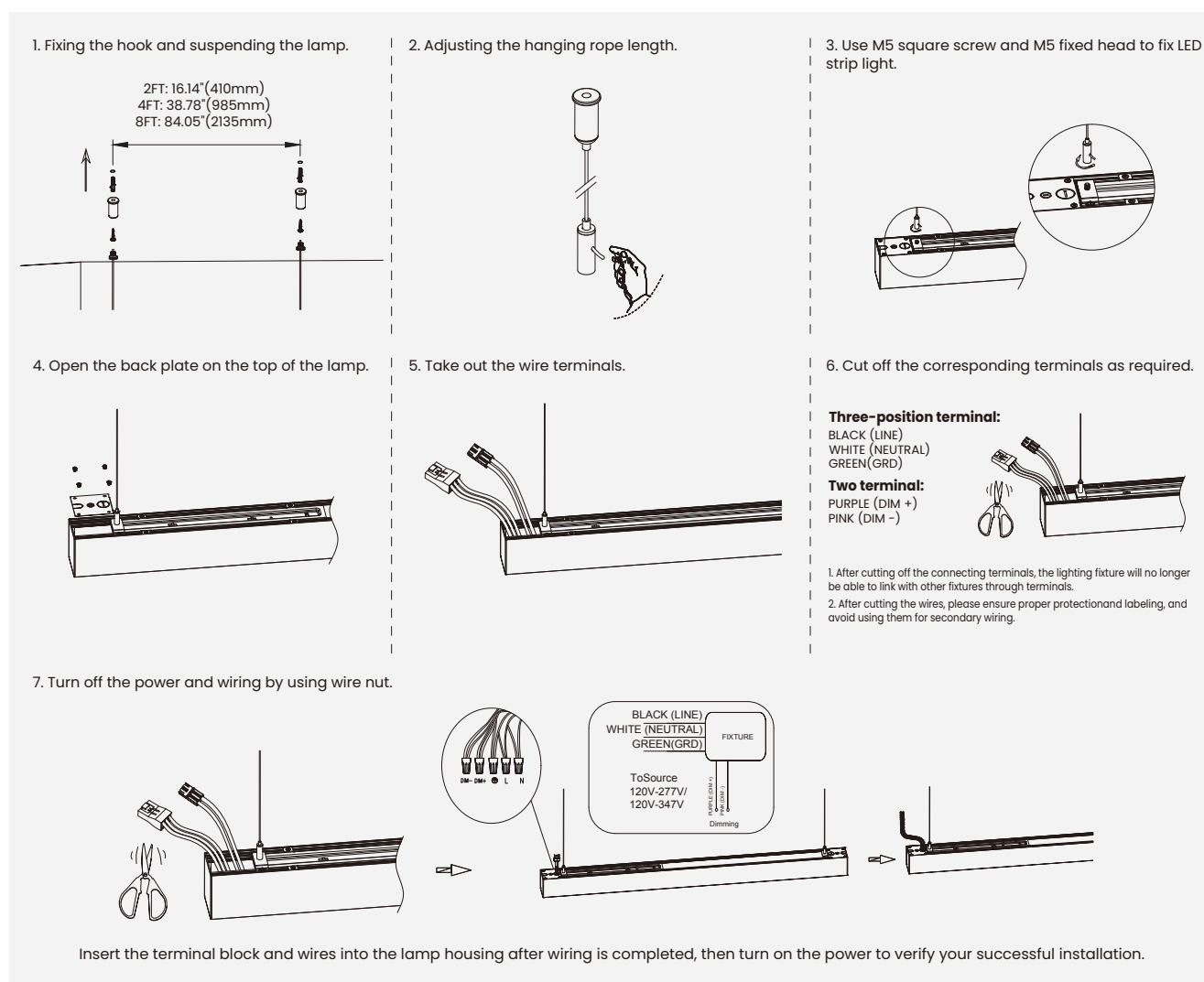
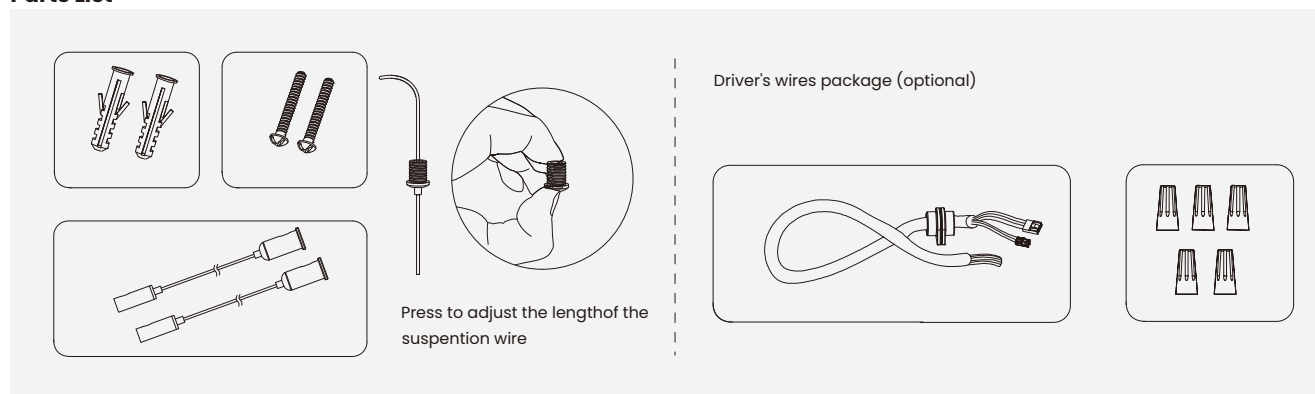
MECHANICAL DIMENSIONS



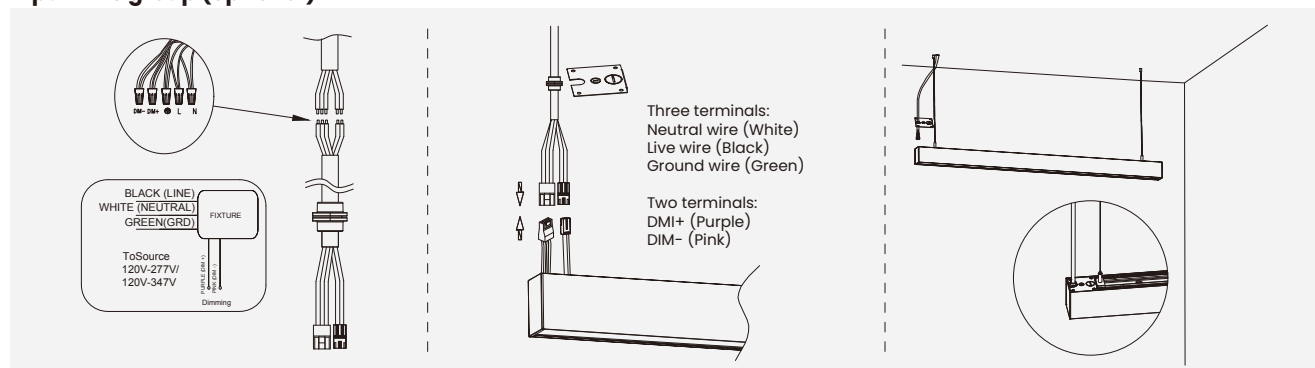
Product Model	LSA-40W	LSA-50W	LSA-100W
Length	2ft	4ft	8ft
Wattage Selectable	40W/30W/25W/20W/15W	50W/40W/35W/30W/25W	100W/80W/70W/60W/50W
Outer box (L*W*H)	1667x410x368mm (24.9"x16.1"x14.5")	1258x410x368mm (47.4"x16.1"x14.5")	2455x310x250mm (92.5"x12.2"x9.8")
Q'ty/Ctn	12pcs	12pcs	6pcs
N.W./Ctn	1.35kg/2.98lbs	1.95kg/4.31lbs	3.7kg/8.16lbs
G.W./Ctn	17.3kg/38.1lbs	25.4kg/56lbs	26.5kg/58.4lbs
Remarks	-	-	-

INSTALLATION

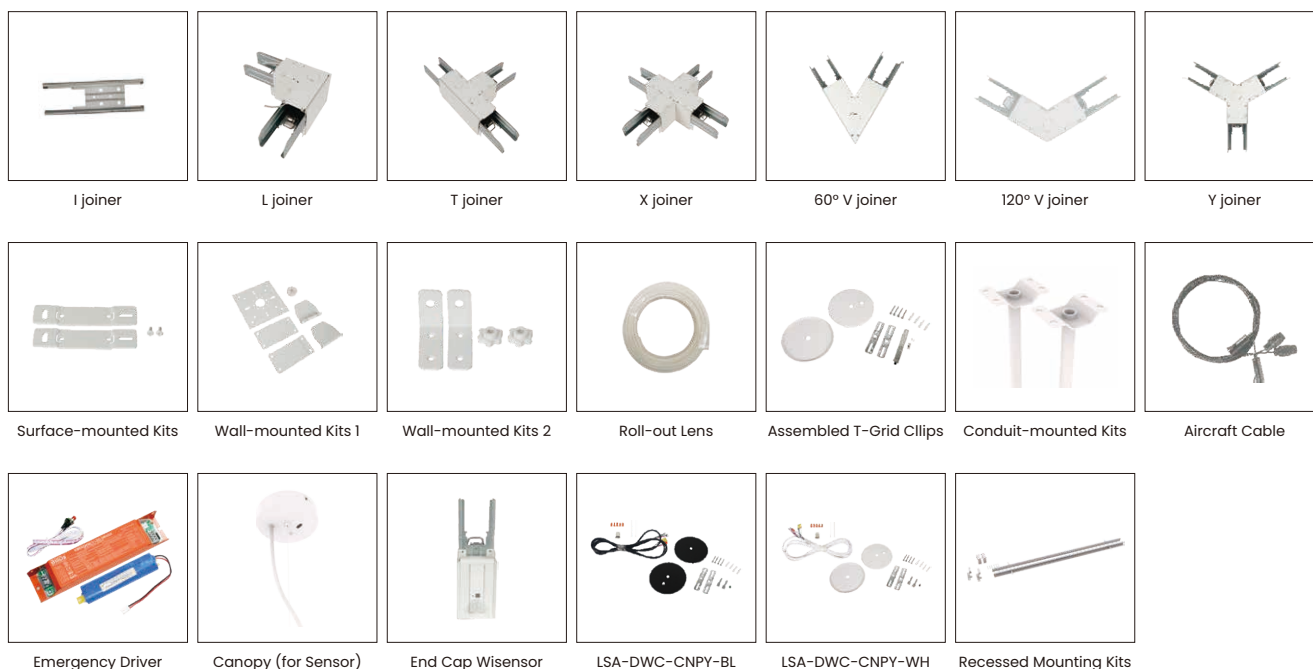
Parts List



Input wire group (optional)



ACCESSORIES



ORDER INFORMATION

LSA-YY-YY-YY-YY

1

2

3

4

5

6

7

8

9

1 LSA Series Up/Down Linear Light

2 Length

2FT	2 Foot
4FT	4 Foot
8FT	8 Foot

3 Wattage

40W	40W/30W/25W/20W/15W
50W	50W/40W/35W/30W/25W
100W	100W/80W/70W/60W/50W

4 Color Temperature

35K	3500K
40K	4000K
50K	5000K
57K	5700K
65K	6500K

5 Watt & CCT Selectable

(Blank)	Single CCT & Watt
TCP	Tunable Watt & CCT
TC	Tunable CCT
TP	Tunable Watt

6 Voltage

(Blank)	120-277V
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7 EM Back-up

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

8 Optics

(Blank)	90°
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9 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