



LED Striplight fixture

Emergency Premium Series

ASD LED Strip Lights are the perfect replacements for older, outdated fluorescent fixtures. Strip Lights can be found in retail, industrial and residential settings. Our Emergency Back Up Strip Light provides 90 minutes of emergency lighting in the event of power loss. The on board emergency driver assures workers, students and families can make a safe evacuation in the event of an emergency. These are great fixture for institutional settings such as schools and hospitals where safety is paramount. Unlike conventional EM backup systems our install requires minimal wiring and the unit can be pendant mounted, surface mounted or chain mounted. Additionally there are entry points on all sides of the fixture.

Catalog number	
Notes	
Type	

FEATURES AND BENEFITS:

- ▶ 90+ minutes of emergency operation
- ▶ 35% emergency light level output
- ▶ < 24 hours battery charging time
- ▶ Luminous efficiency 130lm/w
- ▶ Pre-wired Emergency battery pack and driver
- ▶ Fixture may be surface, chain or pendant mounted
- ▶ Mounting hardware included
- ▶ Multiple units can be linked
- ▶ Suitable for Damp location
- ▶ L70 life > 200,000 hours
- ▶ ETL certified & DLC Listed
- ▶ 5 Year warranty



ORDERING MATRIX:

Family	Series	Size	Dimmable	Watts	CCT	Options	Series
ASD-LSF	2	X	D	XX	XX	EM	PRM
LED Striplight fixture		4 = 4 ft	Dimmable 0~10 V	24 = 24 W 40 = 40 W	40 = 4,000 K	Emergency	Premium

LED STRIPLIGHT FIXTURE:

Model	Type	Watts	Emergency Watts	Dimming Compatible	CCT	Lumens	Dimensions (LxWxH)
ASD-LSF2-4D2440-EM-PRM	4 ft	24 W	8 W	YES	4,000 K	3,152 lm	48" x 3" x3"
ASD-LSF2-4D4040-EM-PRM	4 ft	40 W	12 W	YES	4,000 K	5,205 lm	48" x 3" x3"



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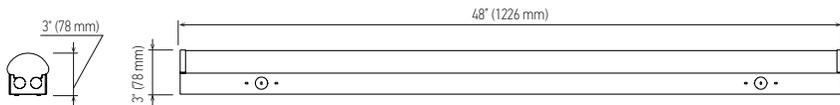
PRODUCT SPECIFICATIONS:

Construction & Materials		
Lens	Translucent white lens	
Housing	Iron	
Finish Color	White	
Weight	4.85 lb (2.20 kg)	
Environmental System		
Work Environment	Suitable for Damp Locations, IP20	
Operating Temperature	-4°F to 131°F (-20°C to 55°C)	
L70 life	> 200, 000 hrs	
Optical System		
Luminous Flux	ASD-LSF2-4D2440-EM-PRM	3,152 lm
	ASD-LSF2-4D4040-EM-PRM	5,205 lm
Color Temperature	4,000 K	
CRI	80	
Electrical System		
Input Voltage	110~277VAC 50/60 Hz	
Max input current	ASD-LSF2-4D2440-EM-PRM	400 mA
	ASD-LSF2-4D4040-EM-PRM	600 mA
Inrush current	ASD-LSF2-4D2440-EM-PRM	30 A
	ASD-LSF2-4D4040-EM-PRM	40 A
Action time (Inrush current)	1s	
AC input range	min 90 V max 300 V	
Off State Power	0 W	
Power Consumption	ASD-LSF2-4D2440-EM-PRM	24 W
	ASD-LSF2-4D4040-EM-PRM	40 W
Power Factor	≥ 0.9	
Output voltage	18-40 V DC	
Max output current	ASD-LSF2-4D2440-EM-PRM	600 mA
	ASD-LSF2-4D4040-EM-PRM	1,000 mA
LED driver class	Class 2	
Emergency system	ASD-LSF2-4D2440-EM-PRM	ASD-LSF2-4D4040-EM-PRM
Emergency watts	8 W	12 W
Emergency Luminous Flux	1,000 lm	1,500 lm
Emergency operation time	≥ 90 minutes	≥ 90 minutes
Battery charging time	24 hours	24 hours
Regular and Voluntary Certifications		
5-year limited warranty		
DesignLights Consortium (DLC) listed (Classification: Premium)		
Certification	ETL	

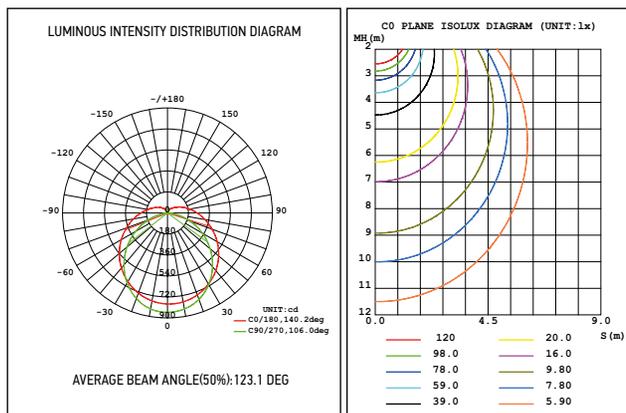


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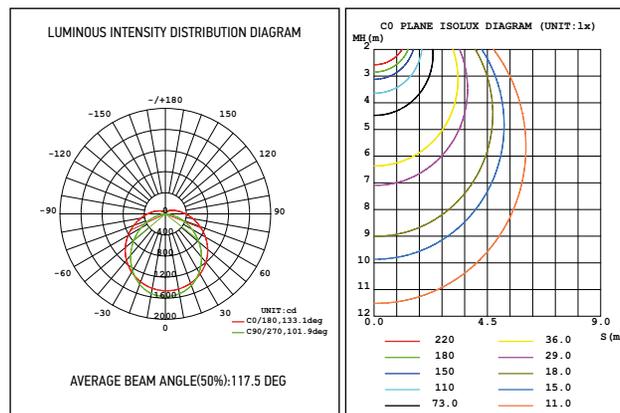
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ASD-LSF2-4D2440-EM-PRM

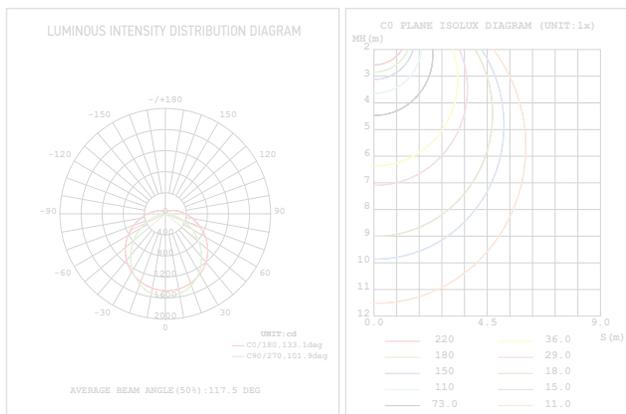


ASD-LSF2-4D4040-EM-PRM

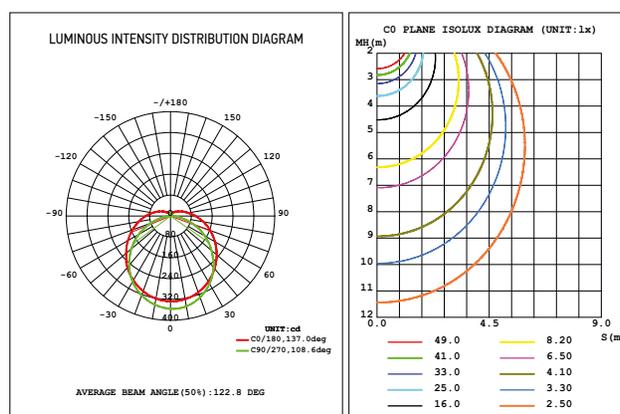


Emergency Mode

ASD-LSF2-4D2440-EM-PRM



ASD-LSF2-4D4040-EM-PRM



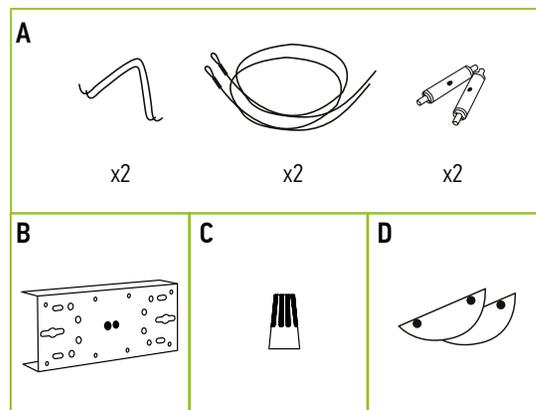


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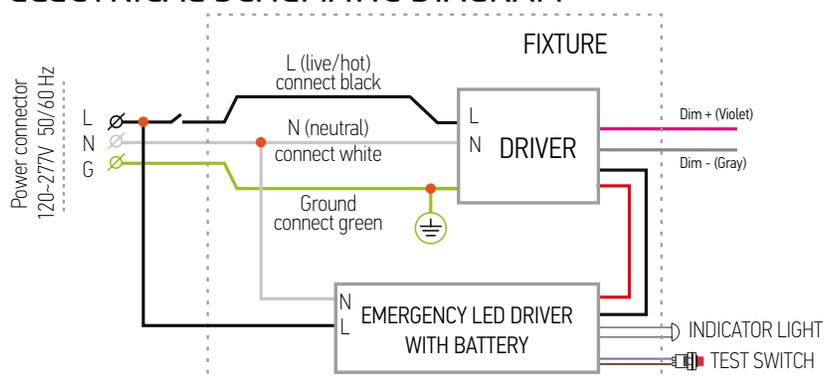
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PACKAGE CONTENTS:

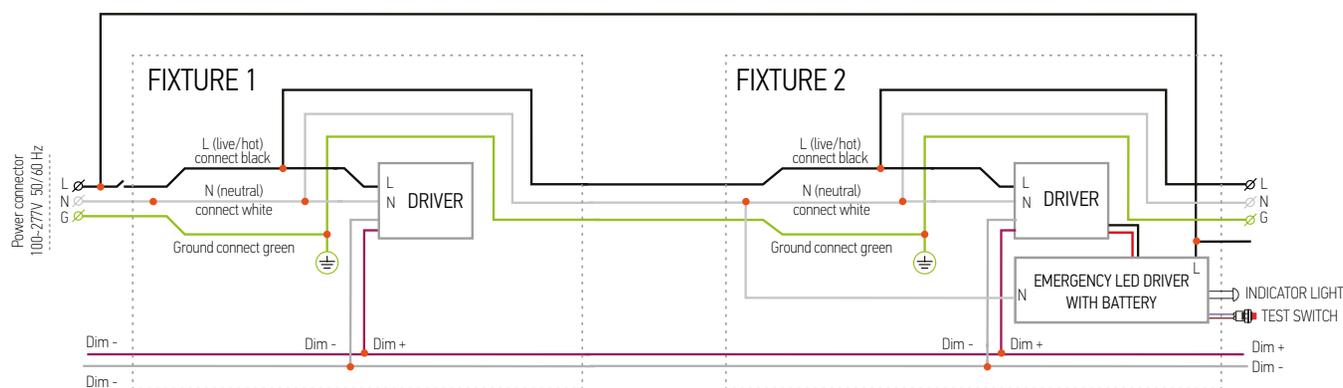
Description	Q-ty
LED Striplight Fixture	1
Chain mounting set with V-hooks (A)	1
Bracket (B)	6
Wire nuts (C)	5
Mounting plates (D)	2
Box	1
Installation Instructions	3



ELECTRICAL SCHEMATIC DIAGRAM



ELECTRICAL SCHEMATIC DIAGRAM CONNECTING MULTIPLE FIXTURES



⚠ WARNING

RISK OF PERSONAL INJURY – READ and follow all WARNINGS and installation instructions.

Keep or give to the owner for future reference.

Risk of cuts: Wear gloves to prevent cuts or abrasions when removing from carton, handling, installing, and maintaining this product.

Risk of electric shock: This product must be installed in accordance with the applicable installation code by a person familiar with the construction and operation of the product and the hazards involved.

Risk of Fire: Minimum 194°F supply conductors. Consult a qualified electrician to ensure correct branch circuit conductor.

ASD® assumes no responsibility for claims arising out of improper or careless installation or handling of this product.

For recessed installation: Access above ceiling required. Inherently protected. Vapor barrier must be suitable for 194°F.



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EMERGENCY SYSTEM DETAILS

- ▶ Standard CSA C22.2 NO.141, UL924
- ▶ Emergency Backup Lithium Battery
- ▶ Battery Protection: over-charge, over-discharge and short circuit protection
- ▶ The wall switch only controls the main power, it does not affect emergency function.
- ▶ Indicator Light modes:
Green light - main power, Red light - charging, Yellow light – malfunction.
- ▶ Press Test Button – indicator light will flash to show status
Frequent tests are not needed
Do not press Test Button more than once per minute
- ▶ Batteries Meet 500 cycles of standard CH and standard DCH.
- ▶ Operation time $\geq 1.5H$
- ▶ RoHS compliant

BATTERY BACK-UP INFORMATION

Battery capacity	Max emergency output power	Emergency current	Emergency operation time	Battery voltage	Full charge/ discharge cycles
2,500mA	12 W	250 mA	≥ 90 minutes	11.1 V	500 cycles

AC Operation:

AC power is present, The LED load from the LED driver is normal power supply, AC LED driver output current can not exceed 150W or 4A, the emergency driver is charging in a standby mode, The green LED light on to indicate that it is charging.

Emergency operation:

When the AC power goes out, The emergency driver detects the AC power outage and automatically switch to the working emergency mode. The green LED light off. When the AC power is restored, the emergency driver backs to AC power working and starts re-charging, the green LED light on.

WARNING

- ▶ This product should be installed by a qualified electrician. Connecting wires when power is on is not allowed. Power can be turned on after making sure that there is no phenomenon of short circuit and the connection is ok.



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INSTALLATION GUIDE

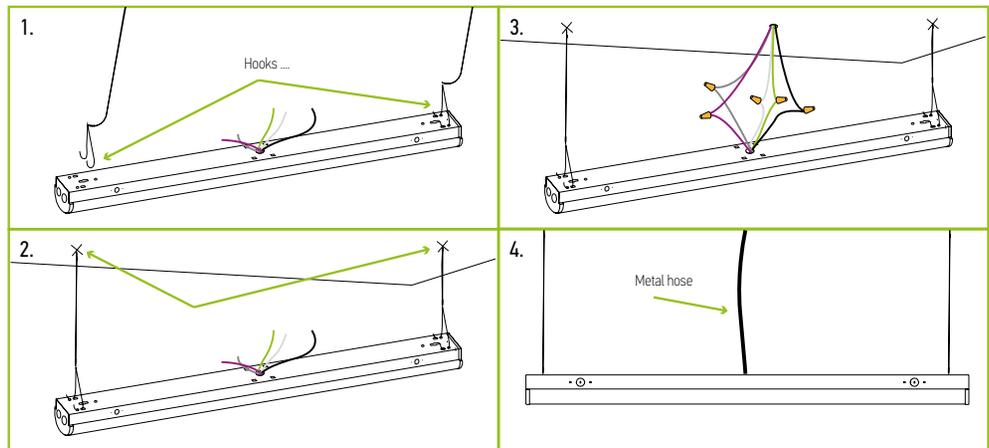
IMPORTANT SAFETY INFORMATION:

Please read all the instructions below before installation.

- ▶ Make sure that the supply voltage corresponds to the rated product voltage.
- ▶ The product must be installed by a qualified electrician in accordance with the National Electrical Code and corresponding local codes.
- ▶ If the product is damaged, do not use it.

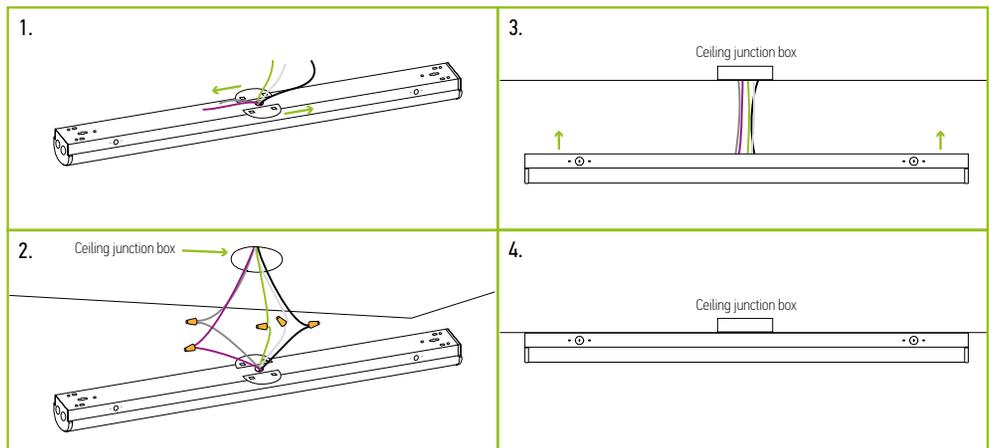
CHAIN AND V HOOK MOUNTING

1. Insert chain on each hook and insert the hook into the installation holes.
2. Attach the chain to the ceiling and adjust until balanced and secure.
3. Connect wires from fixture to power supply following page 4 diagram.
4. Contain wires in metal or plastic housing (not included).



SURFACE MOUNTING

1. Lock the mounting plate.
2. Connect the AC wires and dimming wires (if used).
3. Lift the fixture and put wires in existing ceiling junction box.
4. Secure fixture to ceiling.



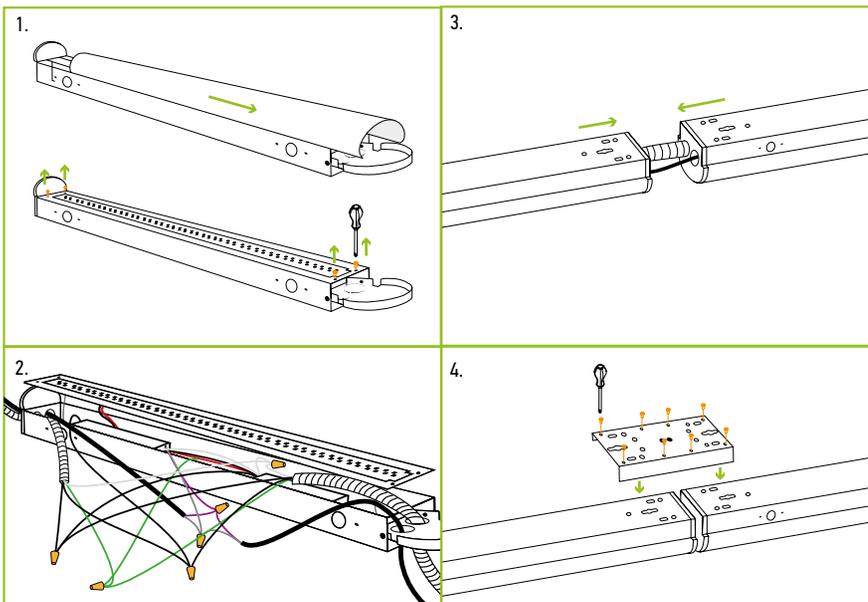


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CONNECTING MULTIPLE FIXTURES

1. Remove the PC cover and PCB plate.
2. Feed the AC wires and dimming wires (customer supplied) through the knockout hole and connect with fixture wires inside of the luminaire – black to black, white to white, green to green/ copper. Once wire connection are made, secure each with a wire nut. If 0-10v dimming system is available, connect the purple and gray wires to the corresponding purple and gray wires in the building dimming system.



CAUTION: Customer supplied AC wire must be 18AWG. The maximum number of fixtures allowed to be linked together is indicated in the following table

3. Repeat the process for the next fixture.
4. Use the connection bracket to secure one fixture to another.

Model	Linkable Quantities Depending on Voltage		
	110V	200V	277V
24 W	18 pcs	32 pcs	50 pcs
40 W	11 pcs	20 pcs	27 pcs



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ORDERING INFORMATION

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Model	Watts	CCT	UPC	GTIN 14	Product Code	Pcs in one Carton	Carton Size	Carton Weight
ASD-LSF2-4D2440-EM-PRM	24 W	4,000 K	819201023912	10819201023919	022.0008	4	49.8" x 7.08" x7.28"	29.2 lbs
ASD-LSF2-4D4040-EM-PRM	40 W	4,000 K	819201023936	10819201023933	022.0014	4	49.8" x 7.08" x7.28"	29.2 lbs

