COSUN

LED linear Fixture



SPECIFICATION FEATURES

Construction

- Standard with 4ft and can be extended by row connector and occlusion block.
- Fixture may be surface or suspension mounted with appropriate mounting options (see accessories).
- Easy to install included for continuous row mounting.

Optics

- Light engines are available in color selectable version, the CCT can be changed to three CCTs (3500K, 4000K, 5000K).
- Scalable Lumen Packages from 2,850 to 10,600 Lumens with efficacy up to 163lm/W.
- Features a low-glare diffuser lens is designed to shape the light uniformity and comfortable light.

Electrical

- Universal 120-277 VAC input voltage.
- Wattage adjustable: 30W,40W,50W,60W,70W
- 0-10V dimming standard for a dimming range of 100% to 10%.
- PF >90%, THD <20%.
- Operating Temperature Range: -25°C to 40°C (-13˚F - + 104˚F).

Note: Operating with emergency battery temperature range: 5°C to 40°C (+41˚F - + 104˚F).

Certifications

- UL cUL damp location listed.DLC Listed

Installation

- V-Hook (default)
- Surface (default)
- Aircraft cable (sold separately)
- Chain mount (sold separately)

Lifespan

- Estimated 50,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations.

Warranty

- Five-year limited warranty.

Applications

- Suitable for commercial, warehouses, parking lot, corridor, retail spaces.

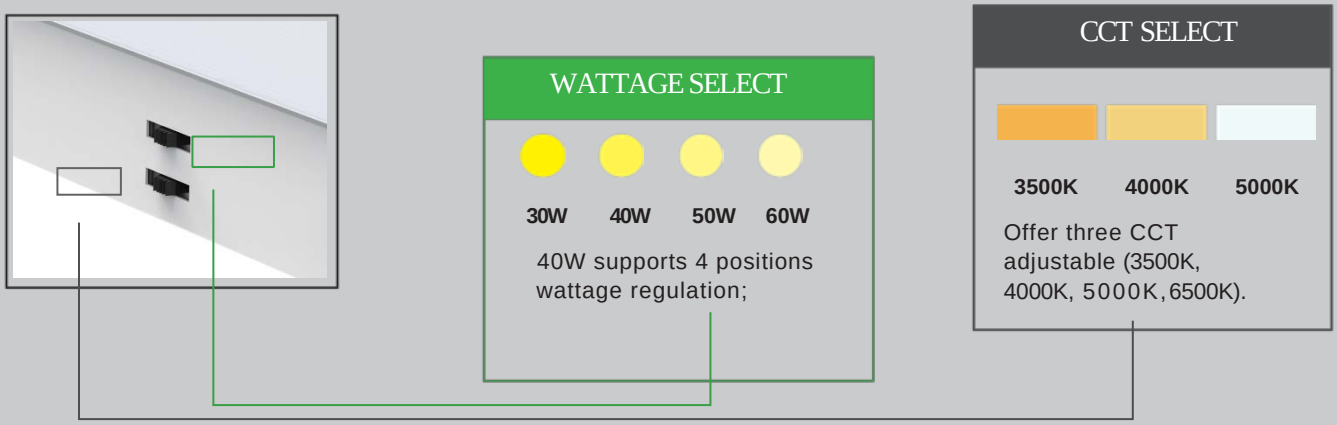
Note

- Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured

  under laboratory conditions at 25°C(±5°C) specifications subject to change without notice.

CCT AND WATTAGE SELECTABLE

This fixture has the function of adjusting the lumens output and color temperature on-site.



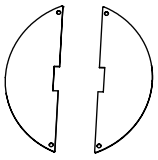
PERFORMANCE DATA

Model	Power	Luminous Flux	CCT	Input Voltage	DLC5.1 Premium
CS-LS5G-2FT26W-xxK	15W/20W/26W	5000LM	3000/3500/4000K 5000/5700/6500K/ Selectable	AC120-277 AC120-347 (Option)	Low Bay
CS-LS5G-2FT40W-xxK	20W/30W/40W	6000LM			Low Bay
CS-LS5G-4FT50W-xxK	25W/30W/35W/40W/50W	7500LM			Low Bay
CS-LS5G-4FT60W-xxK	20W/30W/40W/50W/60W	10400LM			High Bay
CS-LS5G-4FT70W-xxK	30W/40W/50W/60W/70W	10600LM			High Bay
CS-LS5G-8FT80W-xxK	40W/50W/60W/70W/80W	12000LM			High Bay
CS-LS5G-8FT150W-xxK	80W/90W/100W/125W/150W	22500LM			High Bay
CS-LS5G-8FT320W-xxK	150W/200W/225W/250W/320W	51400LM			High Bay

ACCESSORIES (Optional)



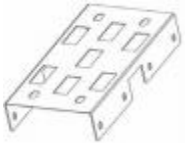
V-Hooks (Default)



Mounting Plate (Default)



Steel Wire Rope (Sold separately)



Joiner Bracket

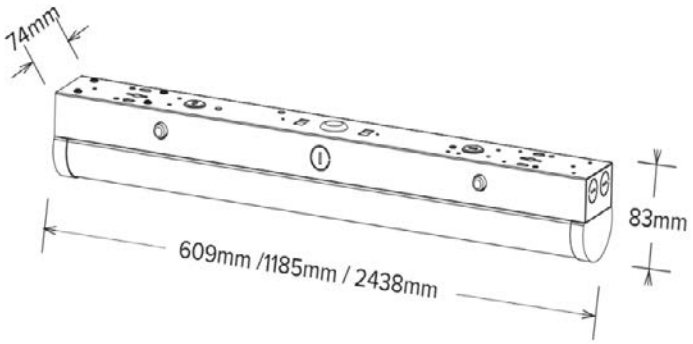
Description: Aligner locks in place for easy continuous row mounting. (Sold separately)



Chain

(Sold separately)

DIMENSION



Model	L×W×H
2FT	609x74x83(mm) / 23.97''x2.91''x3.27''
4FT	1185x74x83(mm) / 46.65''x2.91''x3.27''
8FT	2438x74x83(mm) / 95.98''x2.91''x3.27''

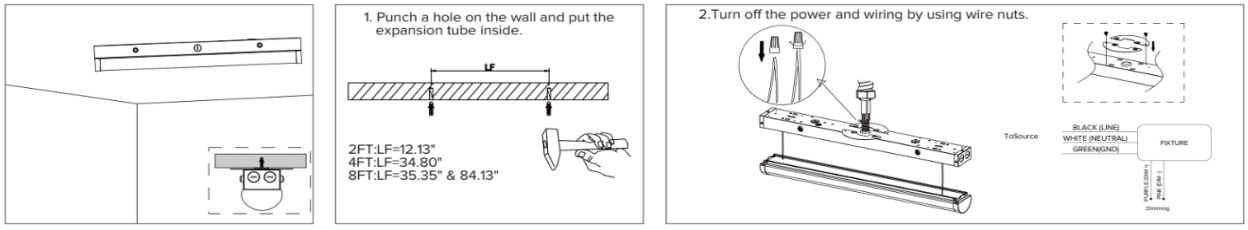
ORDERING GUIDE

Example: CS-LS5G-4FT-60W-3CCT-MPIR-B8

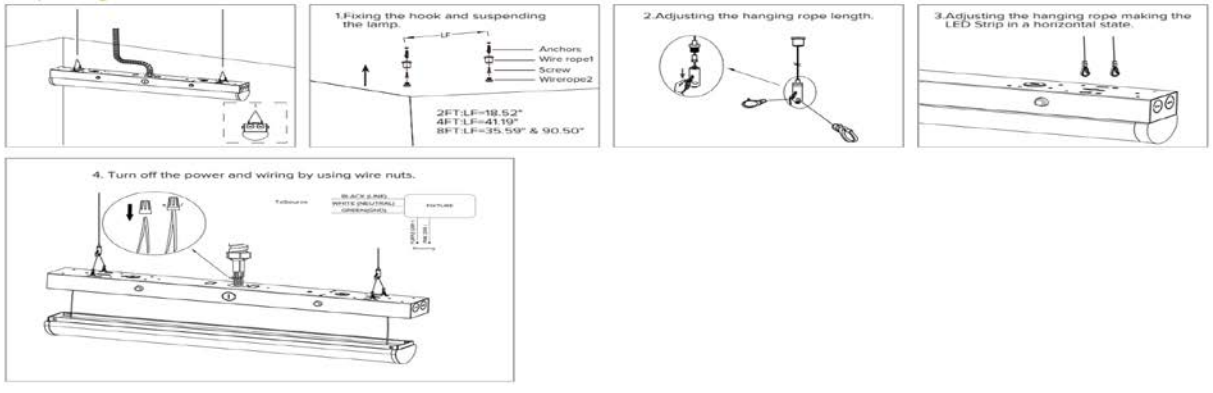
Fixture Type ☐	Length ☐	Wattage ☐	CCT ☐	Sensor (Option) ☐	Backup Battery (Option) ☐	Internal Code ☐	
LS5G 4' Linear Fixture	**4FT**	**40w**	**3CCT** Adjustable color temperature	**Blank** Without Sensor **MPIR** - PIR motion sensor **MIC** - microwave sensor	**B8** 8W Emergency Battery **Blank** Without Emergency Battery	**Blank** **Alphanumeric**	

Installation Instruction

Surface-mounted installation

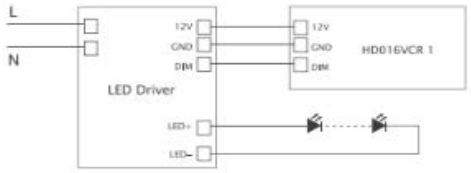


Suspending installation



Microwave Sensor Installation

Wiring diagram



Settings

By selecting the combination of the DIP swithes, sensor will be precisely set for different applications.



1	
●	100%
O	50%

Detection area
In this area,movement will be detected and able to trigger the sensor.100% detection area is also known as the strong sensitvity.

2	3	
●	●	5s
●	O	30s
O	●	1min
O	O	10min

Hold-time
The period of light keeping 100% brightness after moving objects leave the detection area.

4	5	
●	●	Disable
●	O	50lux
O	●	10lux
O	O	2lux

Daylight threshold
Definition of the ambient brightness; only when the ambient brightness is lower than the preset specific lux amount, the sensor will work; when it's preset as "disable",the sensor works everytime it detects motion regardless the ambient brightness.

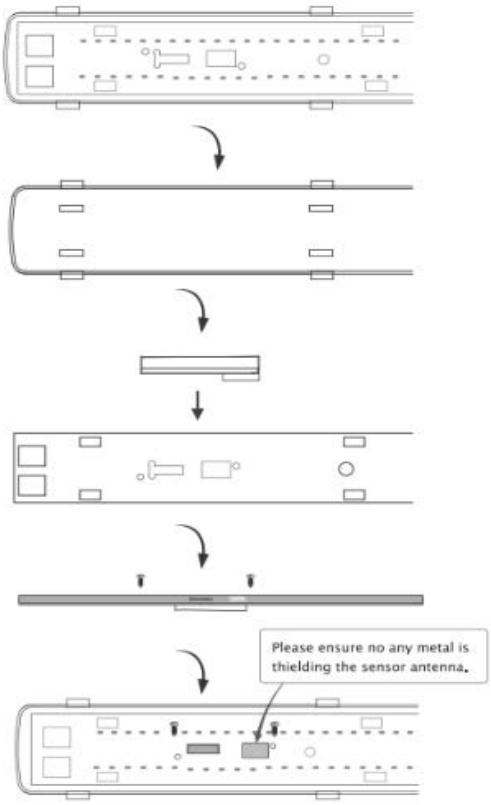
6	7	
●	●	0s
●	O	30s
O	●	20min
O	O	+∞

Stand-by period
The period of light keeping low output before it's completely switched off. When it's preset as"∞", the light always keep at low output if no movement in the detection area and doesn't turn off.

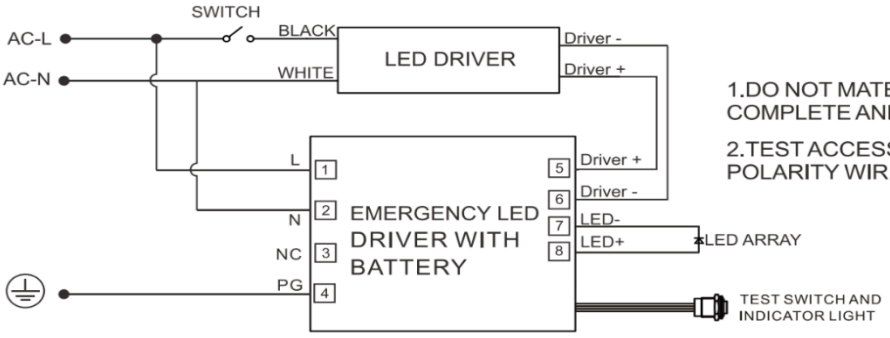
8	9	
●	●	10%
●	O	20%
O	●	30%
O	O	50%

Stand-by dimming level
The definition of low output in the standby period.

Installation Method



Install Emergency Power Cables



1.DO NOT MATE CONNECTOR UNTIL INSTALLATION IS COMPLETE AND AC POWER IS SUPPLIED.

2.TEST ACCESSORY LEADS-OBSERVE PROPER POLARITY WIRING.



Packing Information

Size/ft	Outer box (L*W*H)	QTY/ctn(pcs)	N.W/pcs(lbs/Kg)	G.W/Ctn(lbs/Kg)
2ft	24.72"X9.6"x10.78/628x244x274mm	9	22.1	24.3
4ft	47.55"x9.33"x10.78"/1208x237x274mm	9	32	33.1
8ft	96.85"x9.33"x7.51"/2460x237x191mm	6	37.5	41.9

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