COLORS Linear Lighting

Luminaire Specification

LS60FD

— LINE 60 series

E-mail:colors@colorsled.com

Version：V1.2

www.colorsled.com

【Basic Parameters】

· Material: AL6063-T5, spraying surface

· Coating: Black (RAL9005), White (RAL9003), Champagne Gold , Rose Gold, Matt Green(RAL6019), Matt Orange(RAL2008) , Matt Yellow(RAL1004), Matt Blue(RAL5012)

· Lighting direction: downward

· Light efficiency: 110 LM/W (Regular/ Emergency model), 140 LM/W (High efficiency model)

· Dimming method: Non/ DALI-2+PUSH/ 1-10V optional

· Length: 1200mm/1800mm/2400mm optional, customizable

· SDCM≤3（ANSI）

· CRI: 80/90

· CCT: 2700/3000/3500/4000/5000/6500/3000-6500K optional

· Input voltage: AC220-240V

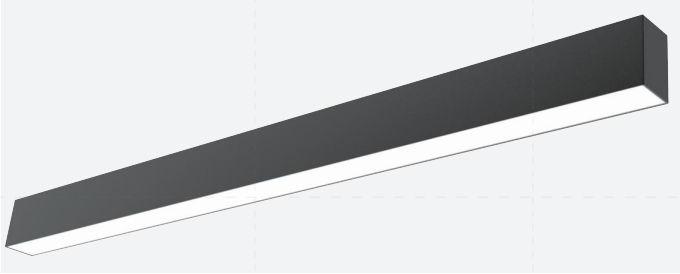
· Application: Indoor

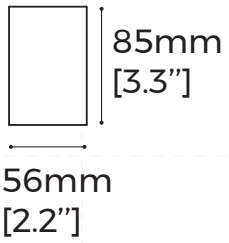
· Installation method: Pendant、ceiling

· IP grade: IP20

· Certification: CE、CB、UKCA、SAA、ROHS、Reach

· Warranty: 5 years(Emergency power model:3 years)





【Luminaire Parameters】

Model	CCT	CRI	Input Voltage (V)	Max. Current (A)	Type Power (W)	Max. Power (W)	Lumen (LM)	Length	Note
LLS-LS60FDFBS1200(N) LLS-LS60FDFBS1200(E)	2700K	>80	220VAC~ 240VAC	0.9 (0.23A/ft)	34 (8.63W/ft)	37 (9.39W/ft)	3528 (895LM/ft)	1200mm (3.94ft)	Single CCT control/ Emergency power models
	3000K						3612 (917LM/ft)		
	3500K						3668 (931LM/ft)		
	4000K						3808 (966LM/ft)		
	5000K						3808 (966LM/ft)		
	6500K						3808 (966LM/ft)		
	2700K	>90					2968 (753LM/ft)		
	3000K						3024 (768LM/ft)		
	3500K						3108 (789LM/ft)		
	4000K						3248 (824LM/ft)		
	5000K						3248 (824LM/ft)		
	6500K						3248 (824LM/ft)		
LLS-LS60FDFBS1200(T)	3000K	>80					3600 (914LM/ft)		Dial switch CCT control
	4200K						3740 (950LM/ft)		
	6500K						3570 (906LM/ft)		
	3000K	>90					3014 (765LM/ft)		
	4200K						3190 (810LM/ft)		
	6500K						3045 (773LM/ft)		

LLS-LS60FDFBS1800(N)	2700K	>80	220VAC~240VAC	1.3 (0.22A/ft)	51 (8.63W/ft)	51 (8.63W/ft)	5292 (895LM/ft)	1800mm (5.91ft)	Single CCT control
	3000K						5418 (917LM/ft)		
	3500K						5502 (931LM/ft)		
	4000K						5712 (966LM/ft)		
	5000K						5712 (966LM/ft)		
	6500K						5712 (966LM/ft)		
	2700K	>90					4452 (753LM/ft)		
	3000K						4536 (768LM/ft)		
	3500K						4662 (789LM/ft)		
	4000K						4872 (824LM/ft)		
	5000K						4872 (824LM/ft)		
	6500K						4872 (824LM/ft)		
LLS-LS60FDFBS1800(T)	3000K	>80					5300 (897LM/ft)		Dial switch CCT control
	4200K						5500 (931LM/ft)		
	6500K						5250 (888LM/ft)		
	3000K	>90					4437 (751LM/ft)		
	4200K						4691 (794LM/ft)		
	6500K						4478 (758LM/ft)		
LLS-LS60FDFBS2400(N)	2700K	>80	220VAC~240VAC	1.8 (0.23A/ft)	68 (8.64W/ft)	70 (8.89W/ft)	7056 (897LM/ft)	2400mm (7.87ft)	Single CCT control
	3000K						7224 (918LM/ft)		
	3500K						7336 (932LM/ft)		
	4000K						7616 (968LM/ft)		
	5000K						7616 (968LM/ft)		
	6500K						7616 (968LM/ft)		
	2700K	>90					5936 (754LM/ft)		
	3000K						6048 (768LM/ft)		
	3500K						6216 (790LM/ft)		
	4000K						6496 (825LM/ft)		
	5000K						6496 (825LM/ft)		
	6500K						6496 (825LM/ft)		
LLS-LS60FDFBS2400(T)	3000K	>80					7208 (916LM/ft)		Dial switch CCT control
	4200K						7480 (950LM/ft)		
	6500K						7140 (907LM/ft)		
	3000K	>90					6035 (767LM/ft)		
	4200K						6380 (811LM/ft)		
	6500K						6090 (774LM/ft)		

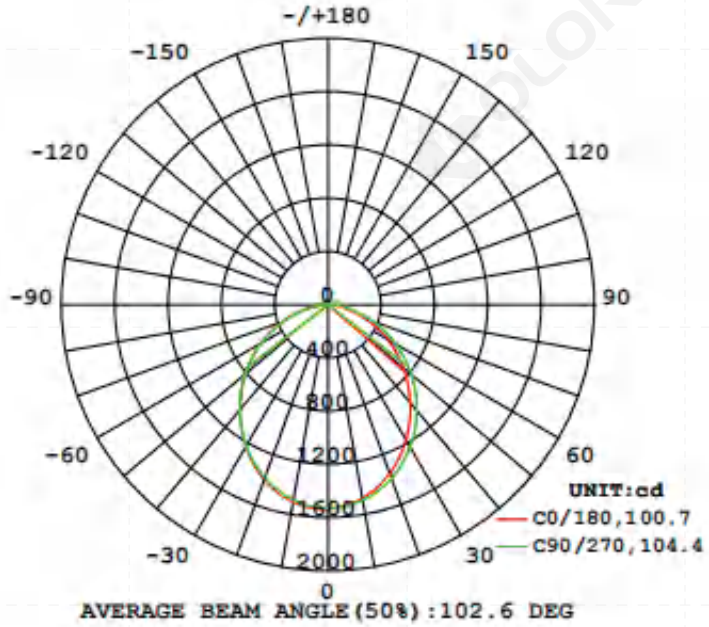
LLS-LS60FDFBS1200(H)	2700K	>80	220VAC~240VAC	0.9 (0.23A/ft)	34 (8.63W/ft)	37 (9.39W/ft)	4505 (1143LM/ft)	1200mm (3.94ft)	High-efficiency models
	3000K						4612 (1171LM/ft)		
	3500K						4683 (1189LM/ft)		
	4000K						4862 (1234LM/ft)		
	5000K						4862 (1234LM/ft)		
	6500K						4862 (1234LM/ft)		
	2700K	>90					3790 (962LM/ft)		
	3000K						3861 (980LM/ft)		
	3500K						3968 (1007LM/ft)		
	4000K						4147 (1053LM/ft)		
	5000K						4147 (1053LM/ft)		
	6500K						4147 (1053LM/ft)		
LLS-LS60FDFBS1800(H)	2700K	>80		1.3 (0.22A/ft)	51 (8.63W/ft)	51 (8.63W/ft)	6624 (1121LM/ft)	1800mm (5.91ft)	
	3000K						6782 (1148LM/ft)		
	3500K						6887 (1165LM/ft)		
	4000K						7150 (1210LM/ft)		
	5000K						7150 (1210LM/ft)		
	6500K						7150 (1210LM/ft)		
	2700K	>90					5574 (943LM/ft)		
	3000K						5680 (961LM/ft)		
	3500K						5837 (988LM/ft)		
	4000K						6100 (1032LM/ft)		
	5000K						6100 (1032LM/ft)		
	6500K						6100 (1032LM/ft)		
LLS-LS60FDFBS2400(H)	2700K	>80		1.8 (0.23A/ft)	68 (8.64W/ft)	70 (8.89W/ft)	9009 (1145LM/ft)	2400mm (7.87ft)	
	3000K						9224 (1172LM/ft)		
	3500K						9367 (1190LM/ft)		
	4000K						9724 (1236LM/ft)		
	5000K						9724 (1236LM/ft)		
	6500K						9724 (1236LM/ft)		
	2700K	>90					7579 (963LM/ft)		
	3000K						7722 (981LM/ft)		
	3500K						7937 (1009LM/ft)		
	4000K						8294 (1054LM/ft)		
	5000K						8294 (1054LM/ft)		
	6500K						8294 (1054LM/ft)		

Note:

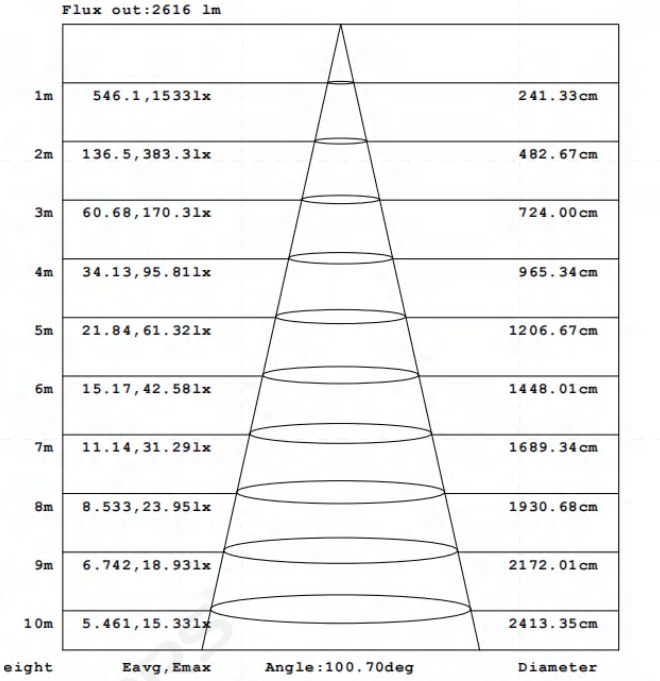
1. The above parameters were tested based on 1.2M(3.94') standard products;
2, luminous flux is allowed to have a ±10% error range;
3. The above parameters are typical values.

【Optical Parameter】

【White/CCT】

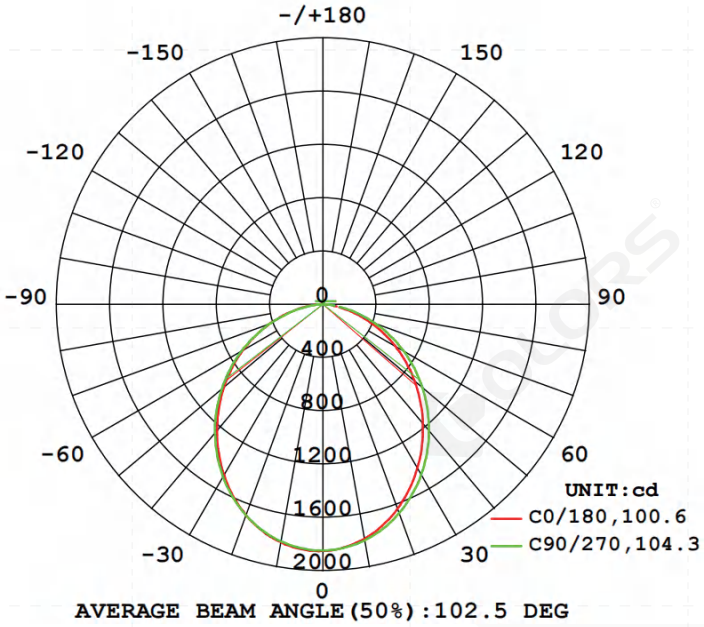


luminous intensity distribution diagram

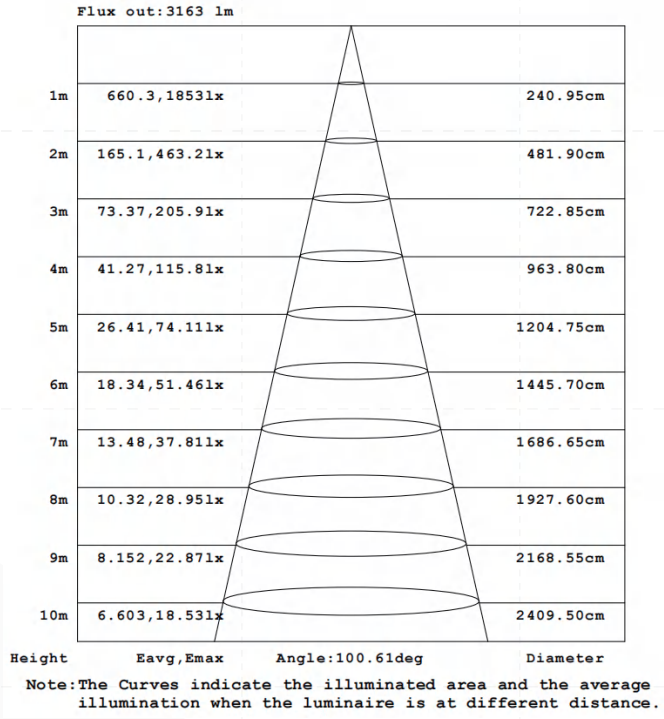


AAI Figure

【High-efficiency models】

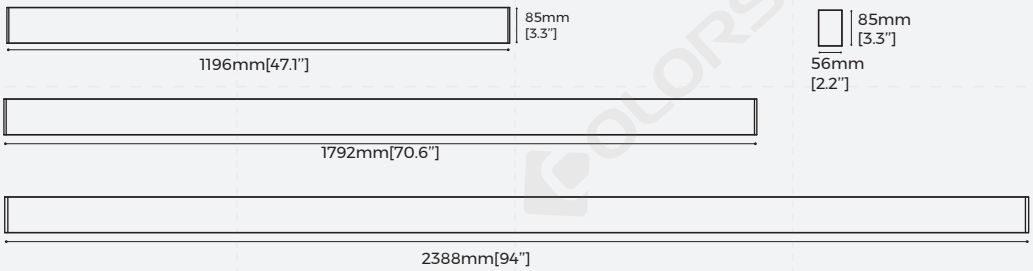


luminous intensity distribution diagram

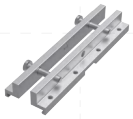
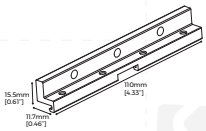
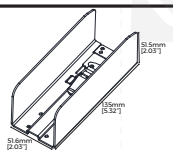
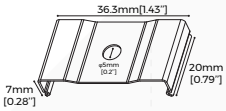
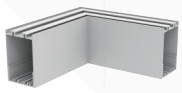
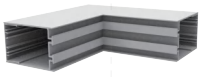
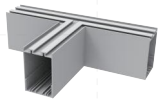
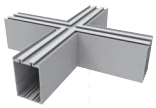


AAI Figure

【Product mechanical data】



【Product Accessories Information】

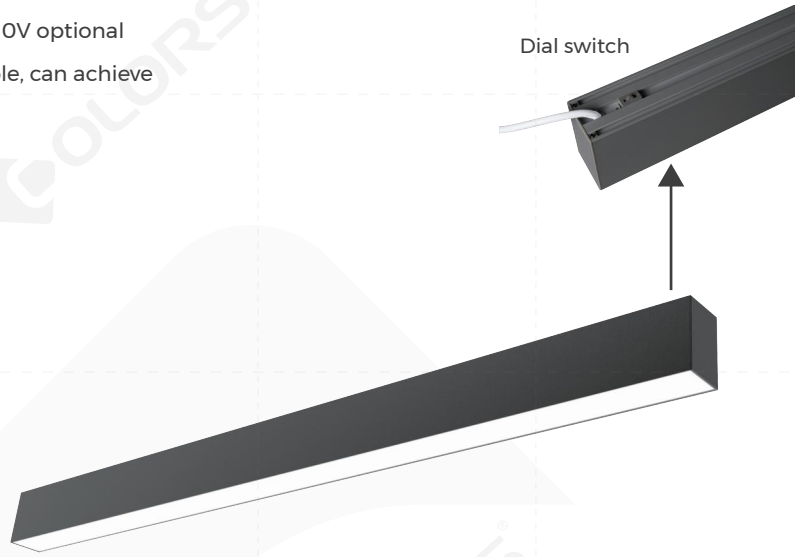
Picture	Section size	Name	Description	Model	Note
		Splicing bar	Size：L110*W15.5*H11.7mm [Inch size:L4.33"*W0.61"*H0.46"]	EX-41	Interconnection Accessories
		Splicing bar	Size：L135*W51.6*H51.5mm [Inch size:L5.32"*W2.03"*H2.03"]	EX-45(N)	
	/	Surface mounted buckle	Size：L90.5*W54*H5.9mm (Inch Size: L3.56"*W2.16"*H0.23")	CL-06	Installation Accessories
		Pendant installation clip	Size：L36.3*W20*H7mm (Inch Size: L1.43"*W0.79"*H0.28")	CP-16	
	/	Pendant cable 2m/4m	/	PN-D	
	/	Pendant cable 2m/4m (with junction box)	/	PY-D	
	/	Pendant rod	/	PG-I	
	/	L shaped corner	Without lighting source; Size：L200*W200*H85mm (Inch Size: L7.87"*W7.87"*H3.35")	L90-LS60	Standard interconnected corners
	/	L shaped corner (light from inward)	Without lighting source; Size：L200*W200*H56mm (Inch Size: L7.87"*W7.87"*H2.2")	L90N-LS60	
	/	L shaped corner (light from outward)	Without lighting source; Size：L200*W200*H56mm (Inch Size: L7.87"*W7.87"*H2.2")	L90W-LS60	
	/	T shaped corner	Without lighting source; Size：L305*W188*H85mm (Inch Size:L12"*W7.4"*H3.35")	T90-LS60	
	/	X shaped corner	Without lighting source; Size：L350*W350*H85mm (Inch Size: L13.78"*W13.78"*H3.35")	X90-LS60	

【Product Type】

【Dial switch CCT control】

· Dimming method: Non/ DALI-2+PUSH/ 1-10V optional

· 3000K/4300K/6500K 3-tier CCT adjustable, can achieve general lighting demands



【Emergency power model】

· Dimming method: Non/ DALI-2+PUSH/ 1-10V optional

· Product length is 1.2m, other lengths need to be customized.



· **Technical parameters**:

— Input voltage:220-240VAC/50-60Hz

— Charging time:24 hours

— Power(emergency mode):4W constant power output

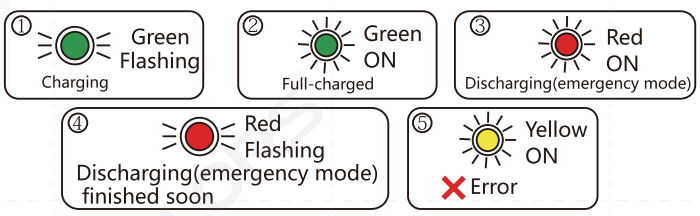
— Battery capacity:7.4V 2500mAh

— Emergency time:≥3 hours

— Emergency light efficiency:≥120LM/W

Indicator light introduction

① Green/flashing: Charging
② Green/on: Full-charged
③ Red/on: Discharging(emergency mode)
④ Red/flashing: Discharging(emergency mode) finished soon
⑤ Yellow/on: Error

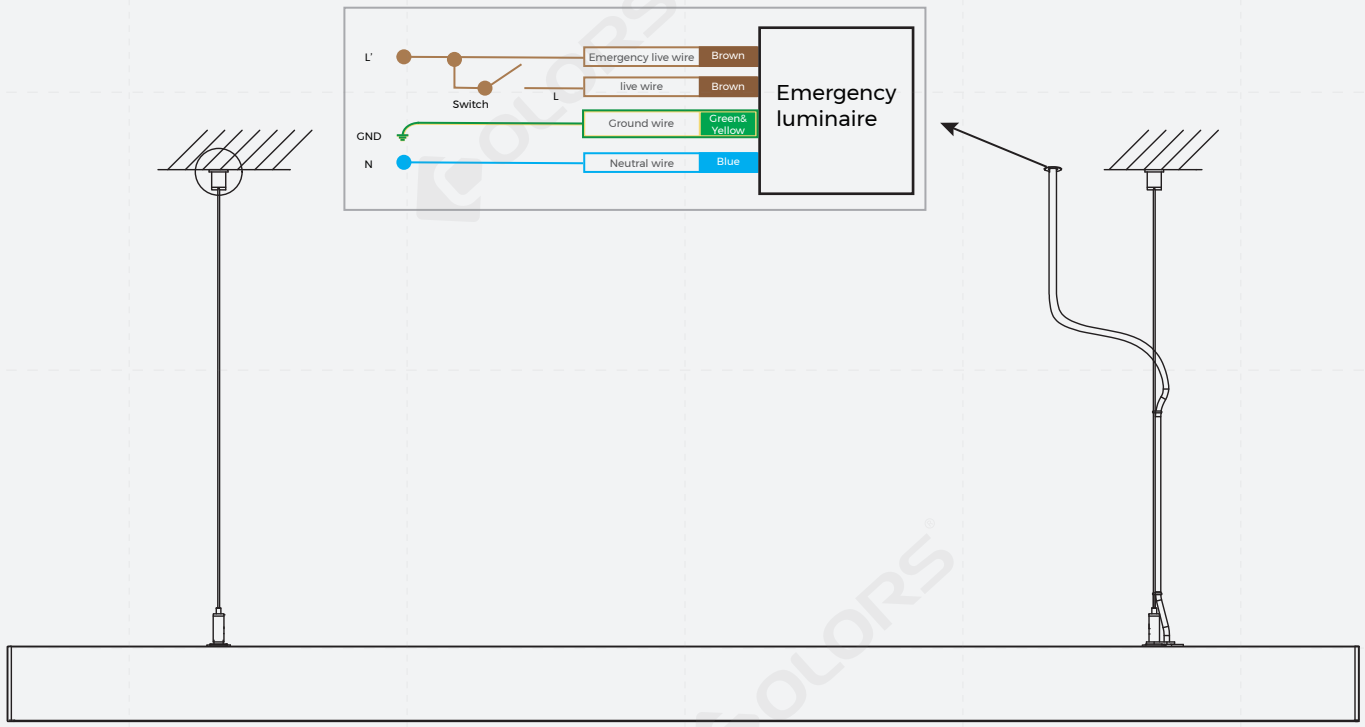


Test switch introduction

Press the test switch to confirm whether the emergency function is normal



【Emergency luminaire wiring】



【Packing】

Model	Demension (mm)	Quantity /box	Quantity /carton	NW (kg)	NW /carton/(kg)	GW (kg)	Carton size (mm)
LLS-LS60FDFBS1200(N)-T34NW8N-DC	1196*56*85 (47.09"*2.2"*3.35")	1	4	2.9	11.6	21.24	1276*162*220 (50.24"*6.38"*8.66")
LLS-LS60FDFBS1800(N)-T54NW8N-DC	1792*56*85 (70.55"*2.2"*3.35")	1	4	4.3	17.2	31.56	1872*162*220 (73.7"*6.38"*8.66")
LLS-LS60FDFBS2400(N)-T68NW8N-DC	2388*56*85 (94.02"*2.2"*3.35")	1	4	5.5	22	41	2468*162*220 (97.17"*6.38"*8.66")

【Attentions】

1、Non-professionals are prohibited from installing, disassembling and repairing the product.

2、Avoid scratching, distortion and irregular bending of the product during installation; otherwise it may cause irreparable damage to the product.

3、Please use professional cutting tools when cutting.

4、Do not use any acid or alkaline adhesive to fix products.

5、The product is only suitable for indoor dry places, can not be used in outdoor, seaside or wet environment.

6、PC features: Each 10°C rise or drop will make diffuser extend or shrink 0.8mm/m, please confirm before processing and use.