COLORS Linear Lighting

Luminaire Specification

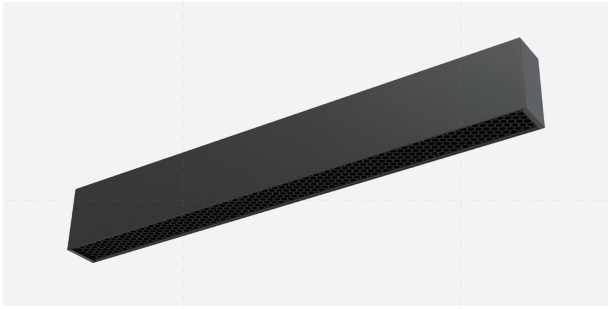
LS40HP

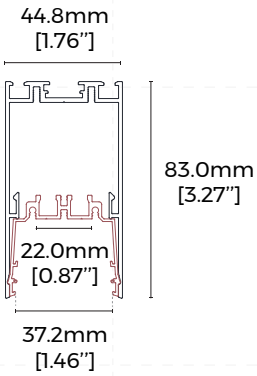
— LINE 40 series

CE UKCA RoHS Reach Indoor

【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)
· Length: 1200mm/1500mm /1800mm/2400mm optional
· IP grade: IP20
· CCT: 2700/3000/3500/4000/5000/6500/ 3000-6500K optional
· CRI: 80/90
· SDCM: <3 Step (ANSI)
· Beam angle: 60˚x75˚
· U G R: UGR≤19(X=4H,Y=8H)
· Light efficiency: 75 lm/W
· Input voltage: AC200-240V
· Lighting direction: downward
· Dimming method: Non / 1-10V / DALI+push optional
· Application: Indoor
· Certification: CE、UKCA、ROHS、Reach
· Warranty: 5 years(Emergency power version:3 years)





【Luminaire Parameters】

Version	Model	Length	Input Voltage (V)	Max. Current (A)	Type Power (W)	Max. Power (W)	Beam Angle (˚)	CRI	CCT	Lumen (LM)
Normal/ Emergency	LS40HP	1200mm [3.94ft]	200-240 VAC	0.18 [0.05A/ft]	34.0 [8.63W/ft]	37.4 [9.49W/ft]	60˚x75˚	>80	2700K	2370 [600LM/ft]
									3000K	2425 [615LM/ft]
									3500K	2475 [630LM/ft]
									4000K	2550 [645LM/ft]
									5000K	2550 [645LM/ft]
									6500K	2550 [645LM/ft]
								>90	2700K	2040 [520LM/ft]
									3000K	2085 [530LM/ft]
									3500K	2125 [540LM/ft]
									4000K	2195 [555LM/ft]
									5000K	2195 [555LM/ft]
									6500K	2195 [555LM/ft]

Normal	LS40HP	1500mm [4.92ft]	200-240 VAC	0.24 [0.05A/ft]	46.0 [9.35W/ft]	50.6 [10.29W/ft]	60˚x75˚	>80	2700K	3210 [650LM/ft]
									3000K	3280 [665LM/ft]
									3500K	3345 [680LM/ft]
									4000K	3450 [700LM/ft]
									5000K	3450 [700LM/ft]
									6500K	3450 [700LM/ft]
								>90	2700K	2760 [560LM/ft]
									3000K	2820 [575LM/ft]
									3500K	2880 [585LM/ft]
									4000K	2965 [605LM/ft]
									5000K	2965 [605LM/ft]
									6500K	2965 [605LM/ft]
		1800mm [5.91ft]		0.26 [0.05A/ft]	51.0 [8.63W/ft]	56.1 [9.49W/ft]		>80	2700K	3555 [600LM/ft]
									3000K	3635 [615LM/ft]
									3500K	3710 [630LM/ft]
									4000K	3825 [645LM/ft]
									5000K	3825 [645LM/ft]
									6500K	3825 [645LM/ft]
								>90	2700K	3060 [520LM/ft]
									3000K	3125 [530LM/ft]
									3500K	3190 [540LM/ft]
									4000K	3290 [555LM/ft]
									5000K	3290 [555LM/ft]
									6500K	3290 [555LM/ft]
		2400mm [7.87ft]		0.35 [0.05A/ft]	68.0 [8.64W/ft]	74.8 [9.50W/ft]		>80	2700K	4745 [605LM/ft]
									3000K	4845 [615LM/ft]
									3500K	4945 [630LM/ft]
									4000K	5100 [650LM/ft]
									5000K	5100 [650LM/ft]
									6500K	5100 [650LM/ft]
								>90	2700K	4080 [520LM/ft]
									3000K	4165 [530LM/ft]
									3500K	4255 [540LM/ft]
									4000K	4385 [555LM/ft]
									5000K	4385 [555LM/ft]
									6500K	4385 [555LM/ft]

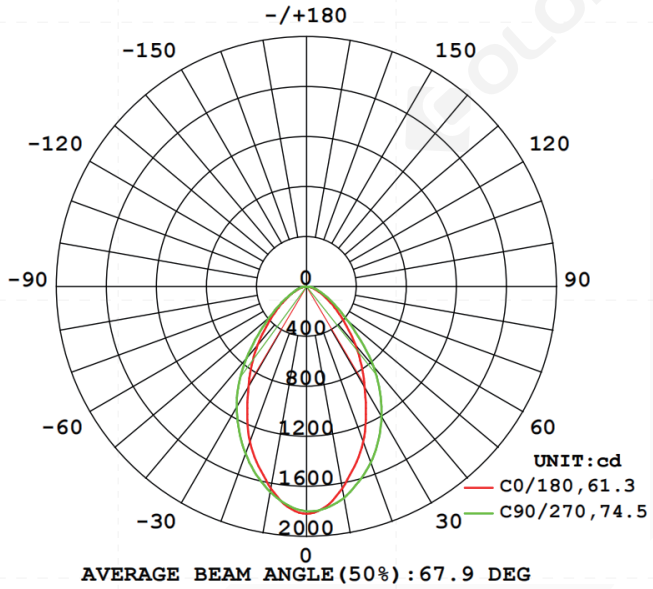
Dial switch CCT tunable	LS40FD	1200mm [3.94ft]	200-240 VAC	0.18 [0.05A/ft]	34.0 [8.63W/ft]	37.4 [9.49W/ft]	60°x75°	>80	3000K	2480 [630LM/ft]
									4300K	2585 [655LM/ft]
									6500K	2515 [640LM/ft]
								>90	3000K	2135 [540LM/ft]
									4300K	2220 [565LM/ft]
									6500K	2165 [550LM/ft]
		1500mm [4.92ft]		0.23 [0.05A/ft]	46.0 [9.35W/ft]	50.6 [10.29W/ft]		>80	3000K	3360 [685LM/ft]
									4300K	3495 [710LM/ft]
									6500K	3405 [690LM/ft]
								>90	3000K	2890 [585LM/ft]
									4300K	3005 [610LM/ft]
									6500K	2925 [595LM/ft]
		1800mm [5.91ft]		0.26 [0.05A/ft]	51.0 [8.63W/ft]	56.1 [9.49W/ft]		>80	3000K	3725 [630LM/ft]
									4300K	3875 [655LM/ft]
									6500K	3775 [640LM/ft]
								>90	3000K	3200 [540LM/ft]
									4300K	3335 [565LM/ft]
									6500K	3245 [550LM/ft]
		2400mm [7.87ft]		0.35 [0.05A/ft]	68.0 [8.64W/ft]	74.8 [9.50W/ft]		>80	3000K	4965 [630LM/ft]
									4300K	5170 [655LM/ft]
									6500K	5030 [640LM/ft]
								>90	3000K	4270 [540LM/ft]
									4300K	4445 [565LM/ft]
									6500K	4330 [550LM/ft]

Note:

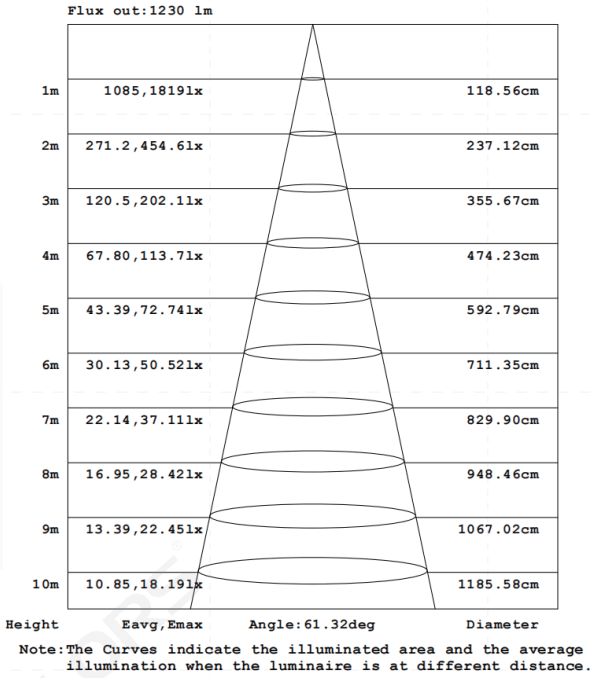
1. The output data is based on the testing result of Ra80,4000k,white luminaires;
2. The tolerance of output data can be vary up to 10%;
3. The output data is typical value;
4.The luminous flux of black luminaire is 55% of white luminaire.

【Optical Parameter】

【Normal/Emergency】

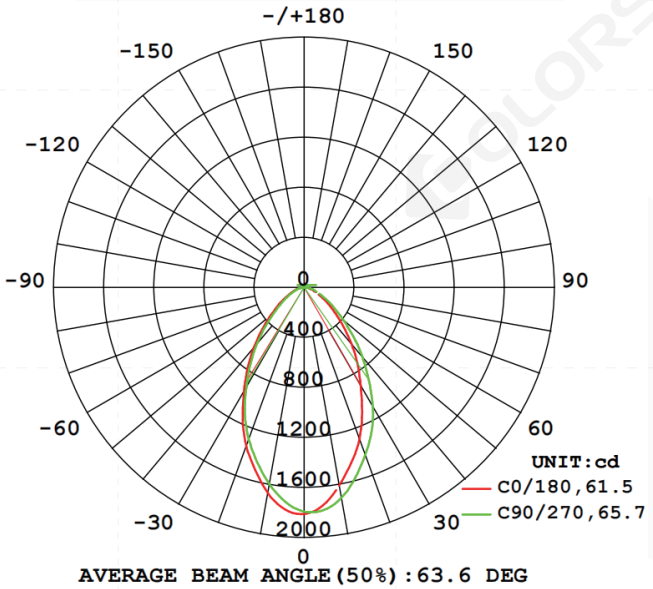


Luminous intensity distribution diagram

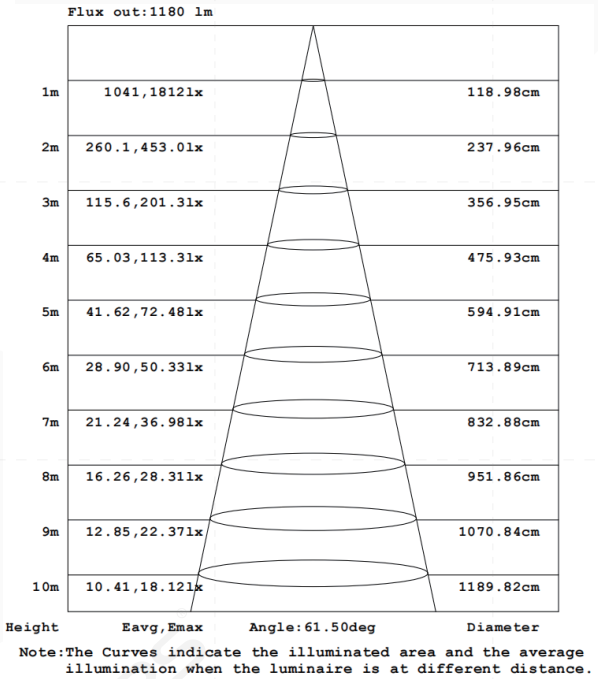


AAI Figure

【Dial switch CCT tunable】

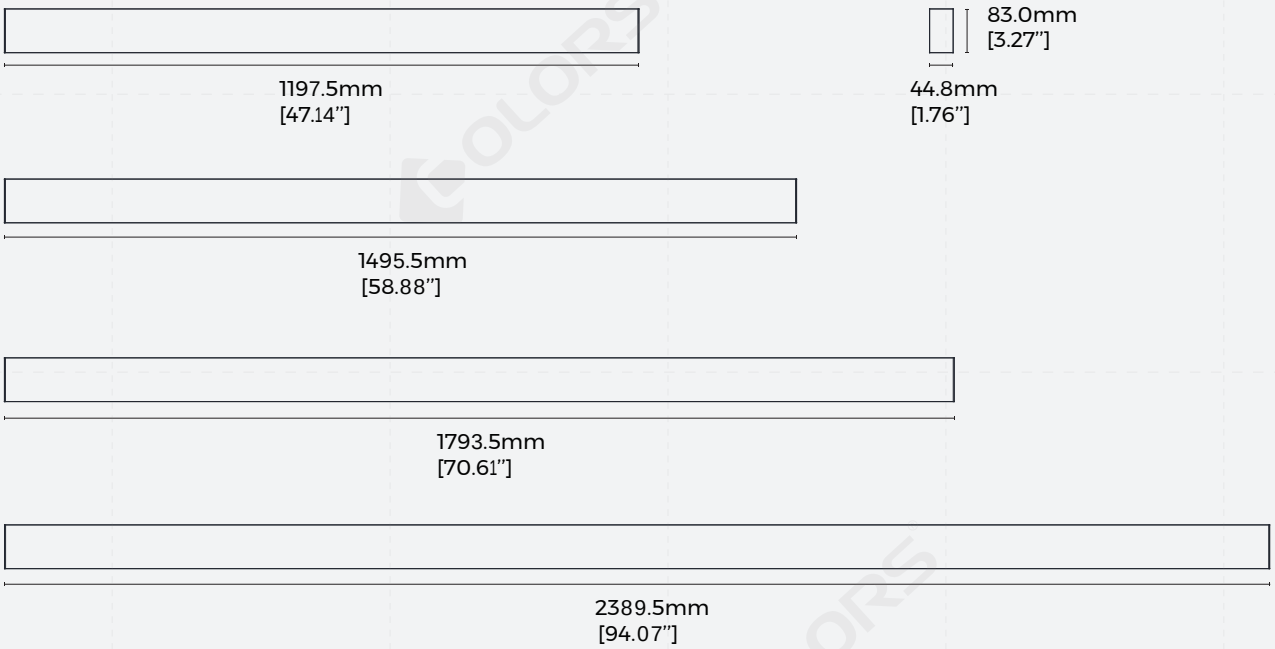


Luminous intensity distribution diagram



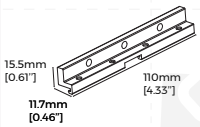
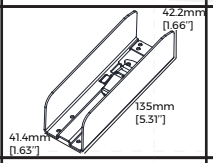
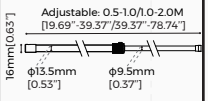
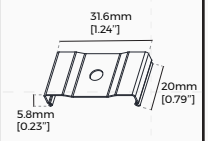
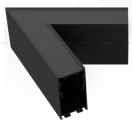
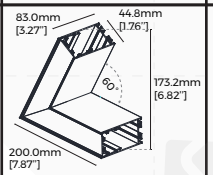
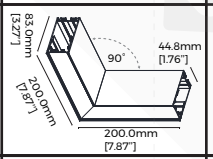
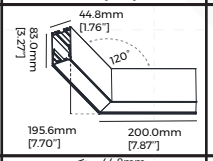
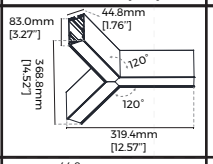
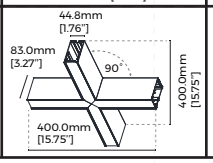
AAI Figure

【Product mechanical data】



Note:Luminaires length shown above indicates the length of profile + thickness of 2 end caps, where each end cap is 2.5mm thick, 2 end caps is 5mm thick in total.

【Product Accessories Information】

Picture	Section size	Name	Description	Model	Note
		Splicing bar (external)	Size:L110*W15.5*H11.7mm [Inch size:L4.33"*W0.61"*H0.46"]	EX-41	Splicing accessories
		Splicing bar (internal)	Material:SPCC Size:L135*W41.4*H42.2mm [Inch size:L5.31"*W1.63"*H1.66"]	EX-46(N)	
	/	Pendant cable (with junction box)	Junction box L80*W80*H30mm [Inch Size:L3.15"*W3.15"*1.18"] Steel cable D1.5*2000/4000mm [Inch Size: D0.06"*78.74"/157.48"]	PY-D	Pendant installation accessories
	/	Pendant cable	Steel cable D1.5*2000/4000mm [Inch Size: D0.06"*78.74"/157.48"]	PN-D	
		Track pendant rod	Material:Fe Size:ϕ13.5*(500/1000)mm [Inch size:ϕ0.53"*(19.69"/39.37")] Other:0.5-1.0/1.0-2.0M adjustable [19.69"-39.37"/39.37"-78.74"]	PG-I	
		Pendant installation clip	Material:PC Size:L31.6*W20mm*H5.8mm [Inch size:L1.24"*H0.79"*H0.23"]	CP-44	
	/	Surface mounted buckle	Size:L72*W54*H5.9mm (Inch Size:L2.83"*W2.13"*H0.23")	CL-08	Ceiling installation accessory
		L-shaped corner (60°)	Material:AL6063-T5 Size:L200*W173.2*H83.0mm [Inch size:L7.87"*W6.82"*H3.27"]	L60-LS40	Pendant / Ceiling standard corne
		L-shaped corner (90°)	Material:AL6063-T5 Size:L200*W200*H83.0mm [Inch size:L7.87"*W7.87"*H3.27"]	L90-LS40	
		L-shaped corner (120°)	Material:AL6063-T5 Size:L200*W195.6*H83.0mm [Inch size:L7.87"*W7.70"*H3.27"]	L120-LS40	
		Y-shaped corner	Material:AL6063-T5 Size:L368.8*W319.4*H83.0mm [Inch size:L14.52"*W12.57"*H3.27"]	Y120-LS40	
		X-shaped corner	Material:AL6063-T5 Size:L400*W400*H83.0mm [Inch size:L15.75"*W15.75"*H3.27"]	X90-LS40	

【Version Type】

【Normal】

· 75lm/W

· Dimming method: Non / 1-10V / DALI+push

【Dial switch CCT control】

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

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

【Emergency model】

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

· **Technical parameters**:

— Input voltage:220-240VAC/50-60Hz

— Input current/power:50mA/4W

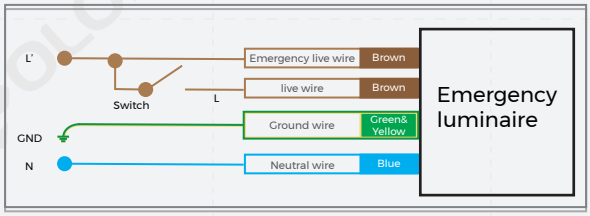
— Charging time:24 hours

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

— Battery capacity:7.4V 2500mAh

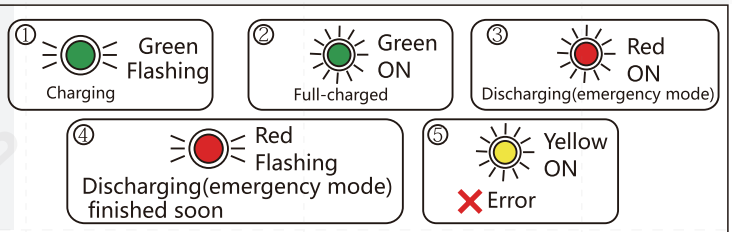
— Emergency time:≥3 hours

— Emergency light efficiency:≥75LM/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

【Packing】

Model	Size (mm/box)	Quantity /box	Quantity /carton	NW (kg)	NW /carton/(kg)	GW (kg)	Size (mm/carton)
LLS-LS40HPFBS1200(N)-T34NW8N-DC	1252*61*98 [49.29"*2.40"*3.86"]	1	4	2.50	10.00	11.34	1272*142*216 [50.08"*5.59"*8.50"]
LLS-LS40HPFBS1500(N)-T46NW8N-DC	1550*61*98 [61.02"*2.40"*3.86"]	1	4	3.03	12.12	13.72	1570*142*216 [61.81"*5.59"*8.50"]
LLS-LS40HPFBS1800(N)-T51NW8N-DC	1848*61*98 [72.76"*2.40"*3.86"]	1	4	3.55	14.20	16.10	1868*142*216 [73.54"*5.59"*8.50"]
LLS-LS40HPFBS2400(N)-T68NW8N-DC	2444*61*98 [96.22"*2.40"*3.86"]	1	4	4.60	18.40	20.87	2464*142*216 [97.01"*5.59"*8.50"]

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

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

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