Luminaire **Specification**

LS40BD

—— LINE 40 series

CE | UKCA | RoHS | Reach | Indoor

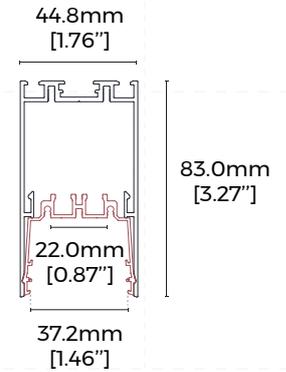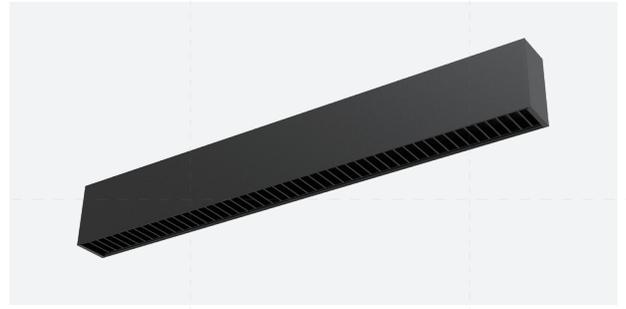## 【Basic Parameters】

· 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: 65°

· U G R: UGR≤19(X=4H,Y=8H)

· Light efficiency: 65 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)

44.8mm [1.76"]
83.0mm [3.27"]
22.0mm [0.87"]
37.2mm [1.46"]

【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	LS40BD	1200mm [3.94ft]	200-240 VAC	0.15 [0.04A/ft]	28.0 [7.11W/ft]	30.8 [7.82W/ft]	65°	>80	2700K	1695 [430LM/ft]
									3000K	1730 [440LM/ft]
									3500K	1765 [450LM/ft]
									4000K	1820 [460LM/ft]
									5000K	1820 [460LM/ft]
									6500K	1820 [460LM/ft]
								>90	2700K	1455 [370LM/ft]
									3000K	1485 [375LM/ft]
									3500K	1520 [385LM/ft]
									4000K	1565 [395LM/ft]
									5000K	1565 [395LM/ft]
									6500K	1565 [395LM/ft]

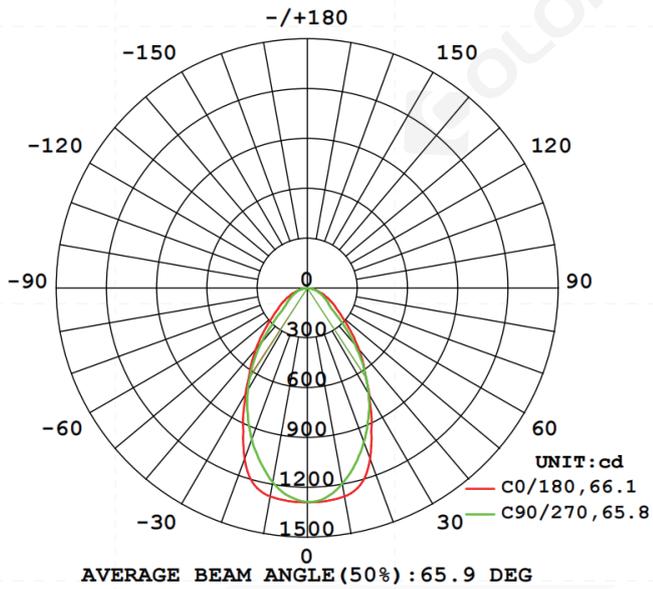|										
Normal	LS40BD	1500mm [4.92ft]	200-240 VAC	0.18 [0.04A/ft]	34.0 [6.91W/ft]	37.4 [7.60W/ft]	65°	>80	2700K	2055 [420LM/ft]
									3000K	2100 [425LM/ft]
									3500K	2145 [435LM/ft]
									4000K	2210 [450LM/ft]
									5000K	2210 [450LM/ft]
									6500K	2210 [450LM/ft]
								>90	2700K	1770 [360LM/ft]
									3000K	1805 [365LM/ft]
									3500K	1845 [375LM/ft]
									4000K	1900 [385LM/ft]
									5000K	1900 [385LM/ft]
									6500K	1900 [385LM/ft]
		1800mm [5.91ft]		0.21 [0.04A/ft]	40.0 [6.77W/ft]	44.0 [7.45W/ft]		>80	2700K	2420 [410LM/ft]
									3000K	2470 [420LM/ft]
									3500K	2520 [425LM/ft]
									4000K	2600 [440LM/ft]
									5000K	2600 [440LM/ft]
									6500K	2600 [440LM/ft]
								>90	2700K	2080 [350LM/ft]
									3000K	2125 [360LM/ft]
									3500K	2170 [365LM/ft]
									4000K	2235 [380LM/ft]
									5000K	2235 [380LM/ft]
									6500K	2235 [380LM/ft]
		2400mm [7.87ft]		0.29 [0.04A/ft]	56.0 [7.12W/ft]	61.6 [7.83W/ft]		>80	2700K	3385 [430LM/ft]
									3000K	3460 [440LM/ft]
									3500K	3530 [450LM/ft]
									4000K	3640 [465LM/ft]
									5000K	3640 [465LM/ft]
									6500K	3640 [465LM/ft]
								>90	2700K	2910 [370LM/ft]
									3000K	2975 [380LM/ft]
									3500K	3035 [385LM/ft]
									4000K	3130 [400LM/ft]
									5000K	3130 [400LM/ft]
									6500K	3130 [400LM/ft]

Dial switch CCT tunable	LS40BD	1200mm [3.94ft]	200-240 VAC	0.15 [0.04A/ft]	28.0 [7.11W/ft]	30.8 [7.82W/ft]	65°	>80	3000K	1625 [410LM/ft]
									4300K	1820 [460LM/ft]
									6500K	1680 [425LM/ft]
								>90	3000K	1395 [355LM/ft]
									4300K	1565 [395LM/ft]
									6500K	1445 [365LM/ft]
		1500mm [4.92ft]		0.18 [0.04A/ft]	34.0 [6.91W/ft]	37.4 [7.60W/ft]		>80	3000K	1970 [400LM/ft]
									4300K	2210 [450LM/ft]
									6500K	2040 [415LM/ft]
								>90	3000K	1695 [345LM/ft]
									4300K	1900 [385LM/ft]
									6500K	1755 [355LM/ft]
		1800mm [5.91ft]		0.21 [0.04A/ft]	40.0 [6.77W/ft]	44.0 [7.45W/ft]		>80	3000K	2320 [395LM/ft]
									4300K	2600 [440LM/ft]
									6500K	2400 [405LM/ft]
								>90	3000K	1995 [340LM/ft]
									4300K	2235 [380LM/ft]
									6500K	2065 [350LM/ft]
		2400mm [7.87ft]		0.29 [0.04A/ft]	56.0 [7.12W/ft]	61.6 [7.83W/ft]		>80	3000K	3250 [415LM/ft]
									4300K	3640 [465LM/ft]
									6500K	3360 [425LM/ft]
								>90	3000K	2795 [355LM/ft]
									4300K	3130 [400LM/ft]
									6500K	2890 [365LM/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;

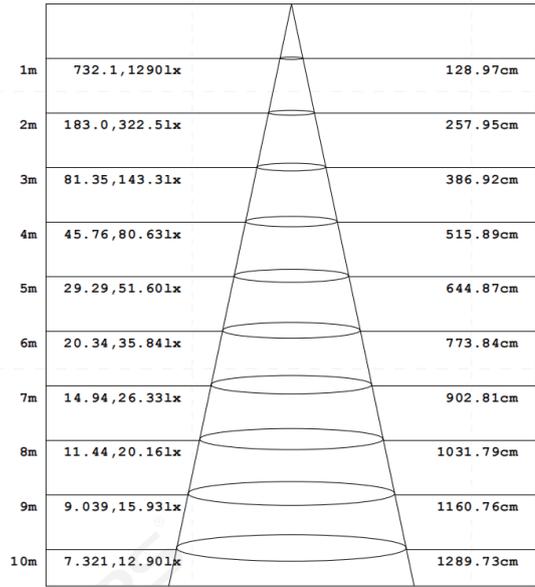4.The luminous flux of black luminaire is 84% of white luminaire.

【Optical Parameter】

【Normal/Emergency】

UNIT:cd
C0/180,66.1
C90/270,65.8

AVERAGE BEAM ANGLE(50%):65.9 DEG

Luminous intensity
distribution diagram

Flux out:970.0 lm

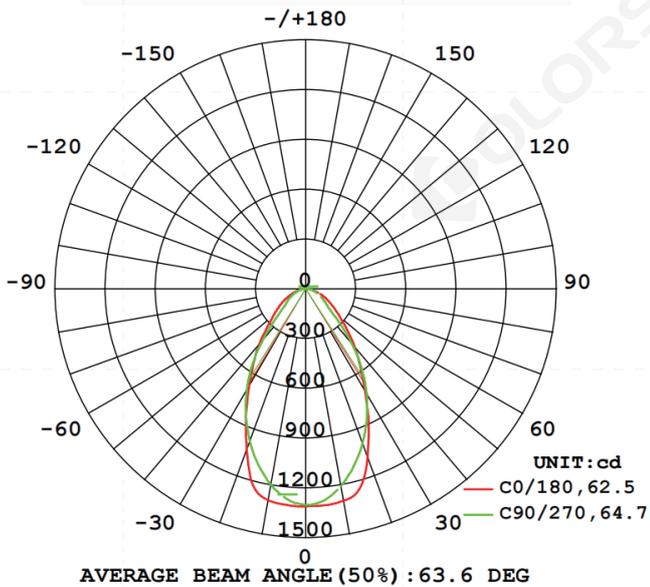| Height	Eavg,Emax	Angle:65.63deg	Diameter
1m	732.1,12901x		128.97cm
2m	183.0,322.51x		257.95cm
3m	81.35,143.31x		386.92cm
4m	45.76,80.631x		515.89cm
5m	29.29,51.601x		644.87cm
6m	20.34,35.841x		773.84cm
7m	14.94,26.331x		902.81cm
8m	11.44,20.161x		1031.79cm
9m	9.039,15.931x		1160.76cm
10m	7.321,12.901x		1289.73cm

Note:The Curves indicate the illuminated area and the average
illumination when the luminaire is at different distance.

AAI Figure

【Dial switch CCT tunable】
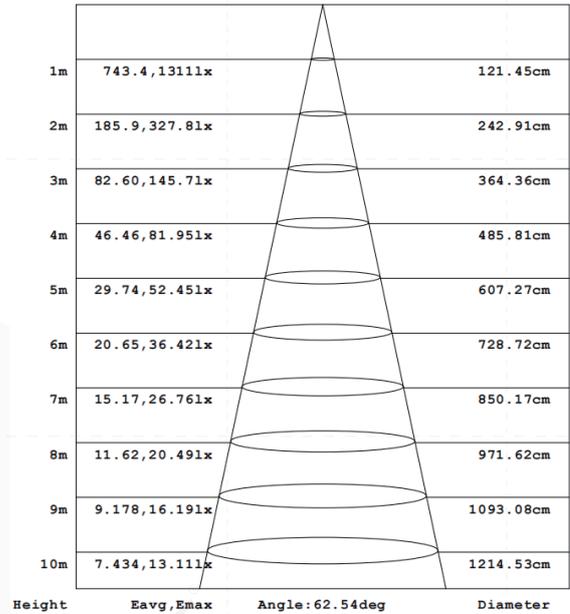

UNIT:cd
C0/180,62.5
C90/270,64.7

AVERAGE BEAM ANGLE(50%):63.6 DEG

Luminous intensity
distribution diagram

Flux out:911.9 lm

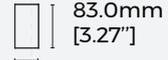| Height	Eavg,Emax	Angle:62.54deg	Diameter
1m	743.4,13111x		121.45cm
2m	185.9,327.81x		242.91cm
3m	82.60,145.71x		364.36cm
4m	46.46,81.951x		485.81cm
5m	29.74,52.451x		607.27cm
6m	20.65,36.421x		728.72cm
7m	15.17,26.761x		850.17cm
8m	11.62,20.491x		971.62cm
9m	9.178,16.191x		1093.08cm
10m	7.434,13.111x		1214.53cm

Note:The Curves indicate the illuminated area and the average
illumination when the luminaire is at different distance.

AAI Figure

【Product mechanical data】

1197.5mm
[47.14"]

83.0mm
[3.27"]

44.8mm
[1.76"]

1495.5mm
[58.88"]

1793.5mm
[70.61"]

2389.5mm
[94.07"]

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
	15.5mm [0.61"] 110mm [4.33"] 11.7mm [0.46"]	Splicing bar (external)	Size:L110*W15.5*H11.7mm [Inch size:L4.33"*W0.61"*H0.46"]	EX-41	Splicing accessories
	42.2mm [1.66"] 135mm [5.31"] 41.4mm [1.63"]	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	
	16mm[0.63"] Adjustable: 0.5-1.0/1.0-2.0M [19.69"-39.37"/39.37"-78.74"] φ13.5mm [0.53"] φ9.5mm [0.37"]	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	
	31.6mm [1.24"] 20mm [0.79"] 5.8mm [0.23"]	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
	83.0mm [3.27"] 44.8mm [1.76"] 173.2mm [6.82"] 60° 200.0mm [7.87"]	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
	83.0mm [3.27"] 44.8mm [1.76"] 90° 200.0mm [7.87"] 200.0mm [7.87"]	L-shaped corner (90°)	Material:AL6063-T5 Size:L200*W200*H83.0mm [Inch size:L7.87"*W7.87"*H3.27"]	L90-LS40	
	83.0mm [3.27"] 44.8mm [1.76"] 120° 195.6mm [7.70"] 200.0mm [7.87"]	L-shaped corner (120°)	Material:AL6063-T5 Size:L200*W195.6*H83.0mm [Inch size:L7.87"*W7.70"*H3.27"]	L120-LS40	
	83.0mm [3.27"] 44.8mm [1.76"] 368.8mm [14.52"] 120° 120° 319.4mm [12.57"]	Y-shaped corner	Material:AL6063-T5 Size:L368.8*W319.4*H83.0mm [Inch size:L14.52"*W12.57"*H3.27"]	Y120-LS40	
	83.0mm [3.27"] 44.8mm [1.76"] 90° 400.0mm [15.75"] 400.0mm [15.75"]	X-shaped corner	Material:AL6063-T5 Size:L400*W400*H83.0mm [Inch size:L15.75"*W15.75"*H3.27"]	X90-LS40	

【Version Type】

【Normal】

· 65lm/W

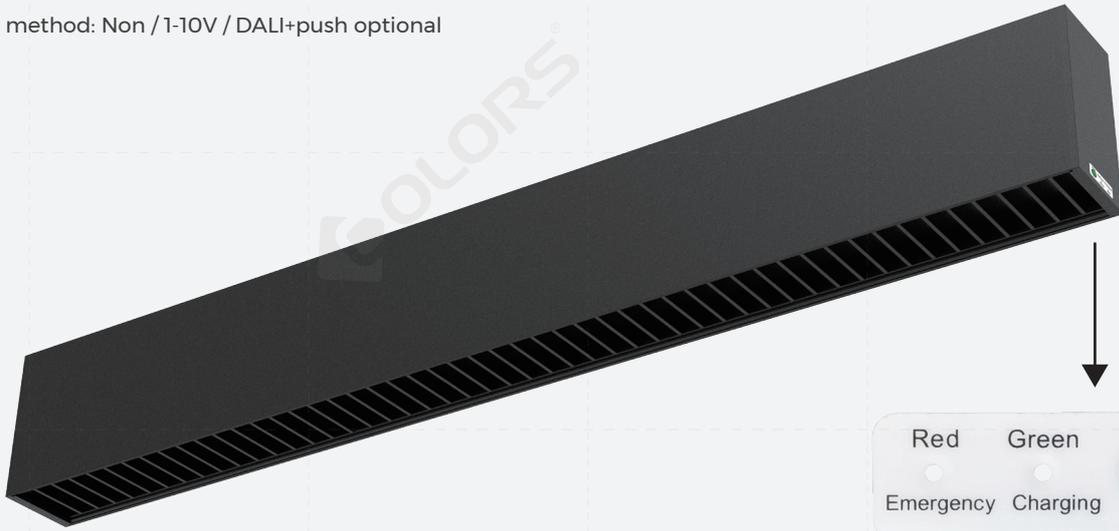· Dimming method: Non / 1-10V / DALI+push

【Dial switch CCT control】

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

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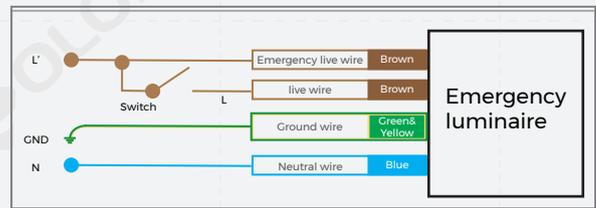 general lighting demands

3000K 4300K 6500K

【Emergency model】

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

Red   Green
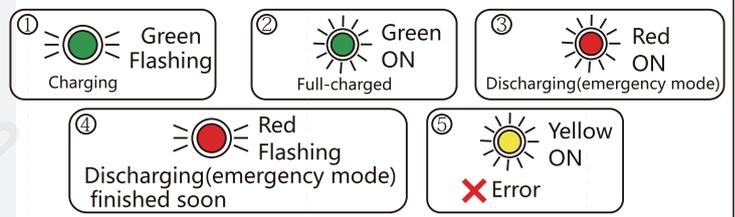
● Emergency ● Charging TEST

· **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：≥65LM/W

L'

Emergency live wire | Brown

live wire | Brown

L

Switch

GND

Ground wire | Green& Yellow

N

Neutral wire | Blue

Emergency luminaire

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

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

Press the test switch
Green turns Red
Emergency function is normal ✓

【Packing】

Model	Size (mm/box)	Quantity /box	Quantity /carton	NW (kg)	NW /carton/(kg)	GW (kg)	Size (mm/carton)
LLS-LS40BDFBS1200(N)-T28NW8N-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-LS40BDFBS1500(N)-T34NW8N-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-LS40BDFBS1800(N)-T40NW8N-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-LS40BDFBS2400(N)-T56NW8N-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℃ rise or drop will make diffuser extend or shrink 0.8mm/m, please confirm before processing and use.