COLORS
Linear Lighting

Luminaire Specification

AS50FP

— LINE ECO series



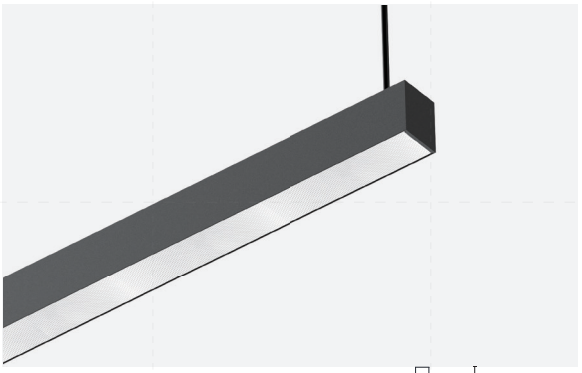
E-mail:colors@colorsled.com

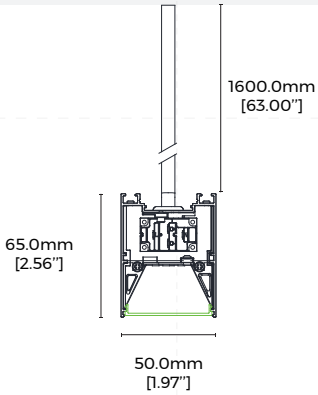
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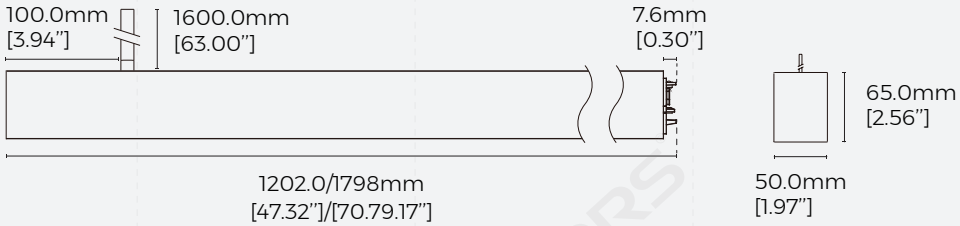
◎ Basic Parameters

· Material:	AL6063-T5, spraying surface
· Coating:	Matte Black, Matte White
· Length:	1200, 1800mm optional
· Diffuser nature:	Prismatic
· Lighting direction:	Downward
· Installaton:	Pendant, Ceiling
· Beam angle:	70°
· IP grade:	IP20
· Application:	Indoor
· Efficiency:	105(Normal), 115(High efficiency-3CCT Dial switch) LM/W
	120(High efficiency), 95(Normal-3CCT Dial switch) LM/W
· Input voltage:	AC220-240V
· U G R:	UGR≤19(X=4H,Y=8H)
· SDCM:	<3 Step (ANSI)
· CRI:	80, 90
· CCT:	2700, 3000, 4000, 6500, 3000-4200-6500K optional
· Dimming:	Non, 1-10V, DALI2 optional
· Certification:	CE, UKCA, ROHS, Reach
· Warranty:	5 years





◎ Product mechanical data



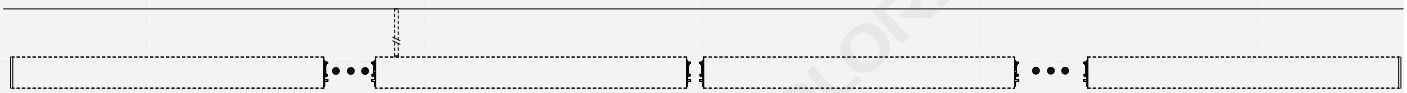
◎ Quick-Connect modules selection guidance

Head-light power in



AS50	BS50	BxN(PCS)	DS50
Head-light	Intermediate light		Tail light
(with wire/one end cap)	(without wire/without end cap)		(without wire/one end cap)

Intermediate light power in



DS50	CS50	BS50	BxN(PCS)	DS50
Tail light	Intermediate light	Intermediate light		Tail light
(without wire/one end cap)	(with wire/without end cap)	(without wire/without end cap)		(without wire/one end cap)

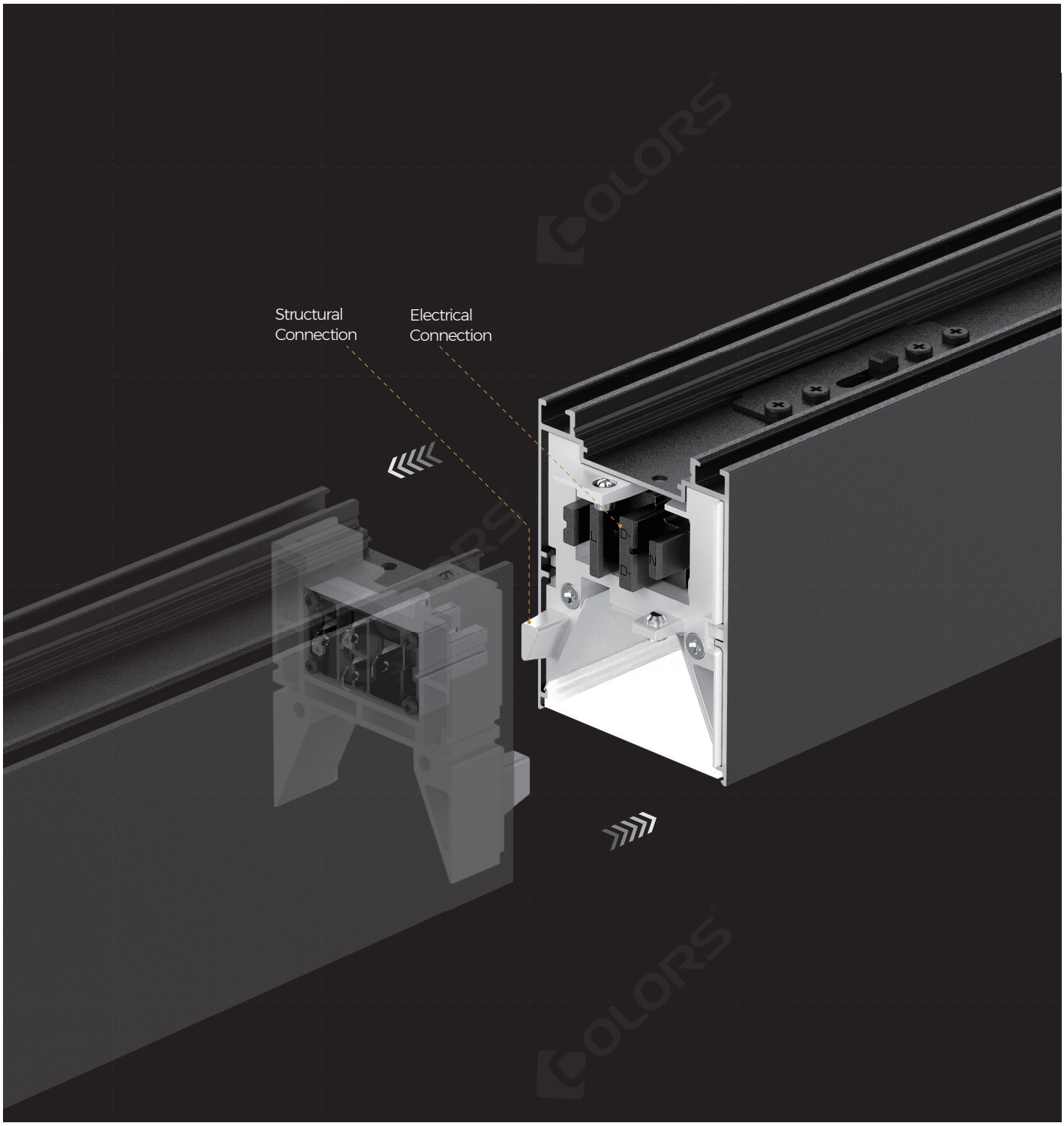
Note:The maximum connection length of the luminaire must not exceed 30 metres.

◎ Ultra-Long Single-End Power in



It does not support dual-end power supply, and there is a potential danger of short circuit.

◎ Quick-connect Design



◎ Luminaire Parameters

Version	Model	Length	Input Voltage (V)	Max. Current (A)	Type Power (W)	Max. Power (W)	Beam Angle (°)	CRI	CCT	Lumen (LM)
Normal	AS50FP	1200mm [3.94ft]	220-240 VAC	0.18 [0.05A/ft]	38.0 [9.65W/ft]	41.8 [10.60W/ft]	70°	>80	2700K	3695 [940LM/ft]
									3000K	3785 [960LM/ft]
									4000K	3990 [1015LM/ft]
									6500K	3990 [1015LM/ft]
Normal	AS50FP	1200mm [3.94ft]	220-240 VAC	0.18 [0.05A/ft]	38.0 [9.65W/ft]	41.8 [10.60W/ft]	70°	>90	2700K	3110 [790LM/ft]
									3000K	3170 [805LM/ft]
									4000K	3405 [865LM/ft]
									6500K	3405 [865LM/ft]
Normal	AS50FP	1800mm [5.91ft]	220-240 VAC	0.28 [0.05A/ft]	58.0 [9.81W/ft]	63.8 [10.80W/ft]	70°	>80	2700K	5640 [955LM/ft]
									3000K	5775 [975LM/ft]
									4000K	6090 [1030LM/ft]
									6500K	6090 [1030LM/ft]
Normal	AS50FP	1800mm [5.91ft]	220-240 VAC	0.28 [0.05A/ft]	58.0 [9.81W/ft]	63.8 [10.80W/ft]	70°	>90	2700K	4745 [805LM/ft]
									3000K	4835 [820LM/ft]
									4000K	5195 [880LM/ft]
									6500K	5195 [880LM/ft]
High efficiency	AS50FP	1200mm [3.94ft]	220-240 VAC	0.17 [0.04A/ft]	38.0 [9.65W/ft]	41.8 [10.60W/ft]	70°	>80	2700K	4225 [1070LM/ft]
									3000K	4325 [1100LM/ft]
									4000K	4560 [1155LM/ft]
									6500K	4560 [1155LM/ft]
High efficiency	AS50FP	1200mm [3.94ft]	220-240 VAC	0.17 [0.04A/ft]	38.0 [9.65W/ft]	41.8 [10.60W/ft]	70°	>90	2700K	3555 [900LM/ft]
									3000K	3620 [920LM/ft]
									4000K	3890 [985LM/ft]
									6500K	3890 [985LM/ft]
High efficiency	AS50FP	1800mm [5.91ft]	220-240 VAC	0.26 [0.04A/ft]	58.0 [9.81W/ft]	63.8 [10.80W/ft]	70°	>80	2700K	6450 [1090LM/ft]
									3000K	6600 [1115LM/ft]
									4000K	6960 [1180LM/ft]
									6500K	6960 [1180LM/ft]

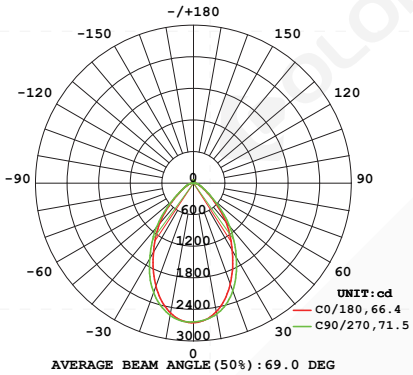
High efficiency	AS50FP	1800mm [5.91ft]	220-240 VAC	0.26 [0.04A/ft]	58.0 [9.81W/ft]	63.8 [10.80W/ft]	70°	>90	2700K	5425 [920LM/ft]
									3000K	5525 [935LM/ft]
									4000K	5935 [1005LM/ft]
									6500K	5935 [1005LM/ft]
Normal-3CCT Dial switch	AS50FP	1200mm [3.94ft	220-240 VAC	0.17 [0.04W/ft]	38.0 [9.65W/ft]	41.8 [10.60W/ft]	70°	>80	3000K	3420 [870LM/ft]
									4200K	3610 [915LM/ft]
									6500K	3420 [870LM/ft]
Normal-3CCT Dial switch	AS50FP	1200mm [3.94ft	220-240 VAC	0.17 [0.04A/ft]	38.0 [9.65W/ft]	41.8 [10.60W/ft]	70°	>90	3000K	2915 [740LM/ft]
									4200K	3080 [780LM/ft]
									6500K	2915 [740LM/ft]
Normal-3CCT Dial switch	AS50FP	1800mm [5.91ft]	220-240 VAC	0.26 [0.04A/ft]	58.0 [9.81W/ft]	63.8 [10.80W/ft]	70°	>80	3000K	5220 [885LM/ft]
									4200K	5510 [930LM/ft]
									6500K	5220 [930LM/ft]
Normal-3CCT Dial switch	AS50FP	1800mm [5.91ft]	220-240 VAC	0.26 [0.04A/ft]	58.0 [9.81W/ft]	63.8 [10.80W/ft]	70°	>90	3000K	4455 [755LM/ft]
									4200K	4700 [795LM/ft]
									6500K	4455 [755LM/ft]
High efficiency-3CCT Dial switch	AS50FP	1200mm [3.94ft]	220-240 VAC	0.17 [0.04A/ft]	38.0 [9.65W/ft]	41.8 [10.60W/ft]	70°	>80	3000K	4180 [1060LM/ft]
									4200K	4370 [1110LM/ft]
									6500K	4180 [1060LM/ft]
High efficiency-3CCT Dial switch	AS50FP	1200mm [3.94ft]	220-240 VAC	0.17 [0.04A/ft]	38.0 [9.65W/ft]	41.8 [10.60W/ft]	70°	>90	3000K	3565 [905LM/ft]
									4200K	3730 [945LM/ft]
									6500K	3565 [945LM/ft]
High efficiency-3CCT Dial switch	AS50FP	1800mm [5.91ft]	220-240 VAC	0.26 [0.04A/ft]	58.0 [9.81W/ft]	63.8 [10.80W/ft]	70°	>80	3000K	6380 [1080LM/ft]
									4200K	6670 [1130LM/ft]
									6500K	6380 [1080LM/ft]
High efficiency-3CCT Dial switch	AS50FP	1800mm [5.91ft]	220-240 VAC	0.26 [0.04A/ft]	58.0 [9.81W/ft]	63.8 [10.80W/ft]	70°	>90	3000K	5440 [920LM/ft]
									4200K	5690 [965LM/ft]
									6500K	5440 [920LM/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 95% of white luminaire.

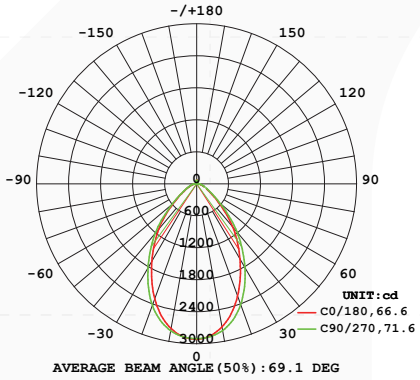
◎ Optical Parameter

Normal Version



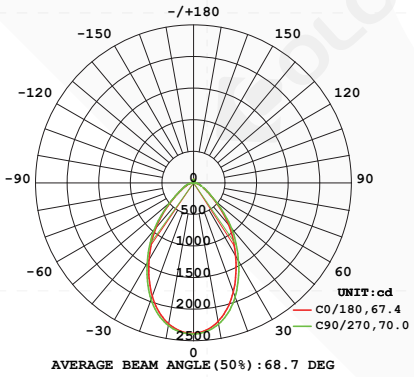
H(m)	D(cm)	Emax(lx)	Eavg(lx)
1	131	2652	1466
2	262	663	367
3	393	295	163
4	524	166	92

High Efficiency Version



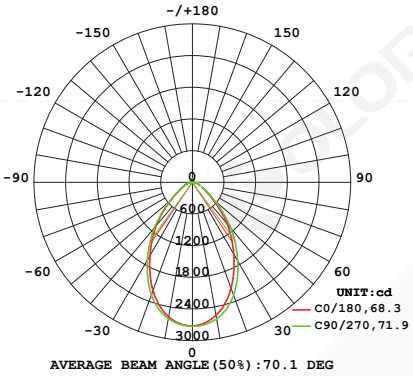
H(m)	D(cm)	Emax(lx)	Eavg(lx)
1	131	2914	1628
2	263	729	407
3	394	324	181
4	525	182	102

Normal-
3 CCT Dial Switch



H(m)	D(cm)	Emax(lx)	Eavg(lx)
1	133	2397	1327
2	267	599	332
3	400	266	148
4	533	150	83

High Efficiency-
3 CCT Dial Switch



H(m)	D(cm)	Emax(lx)	Eavg(lx)
1	136	2734	1486
2	271	683	371
3	407	303	165
4	542	142	77

* The above data is based on monochrome 4000K color temperature.
If you need other models of IES files, please download the corresponding models from the IES database.

◎ Accessories Information

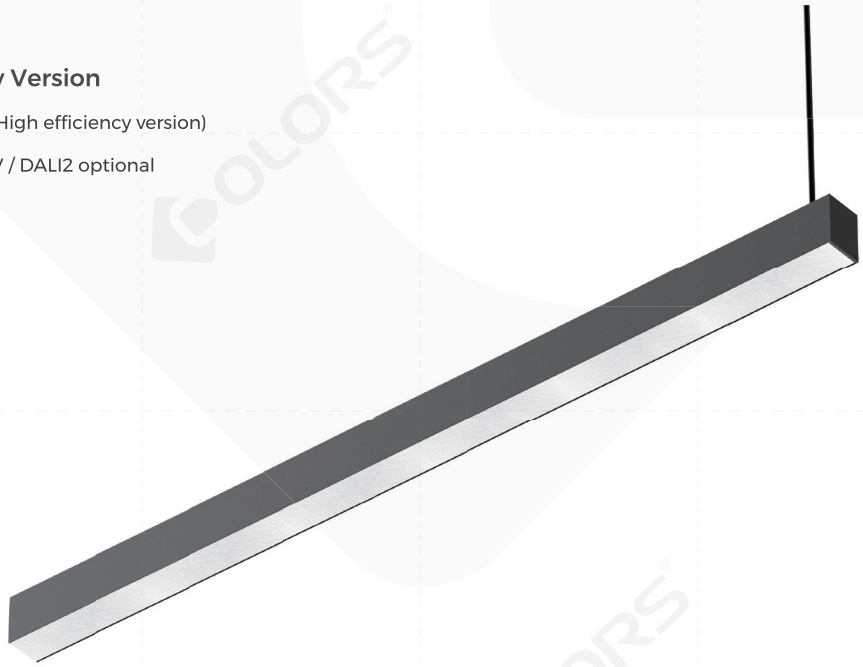
Picture	Name	Model
	Pendant cable	PN(E)-D

◎ Version Type

Normal&High Efficiency Version

· 105lm/W (Normal), 120lm/W (High efficiency version)

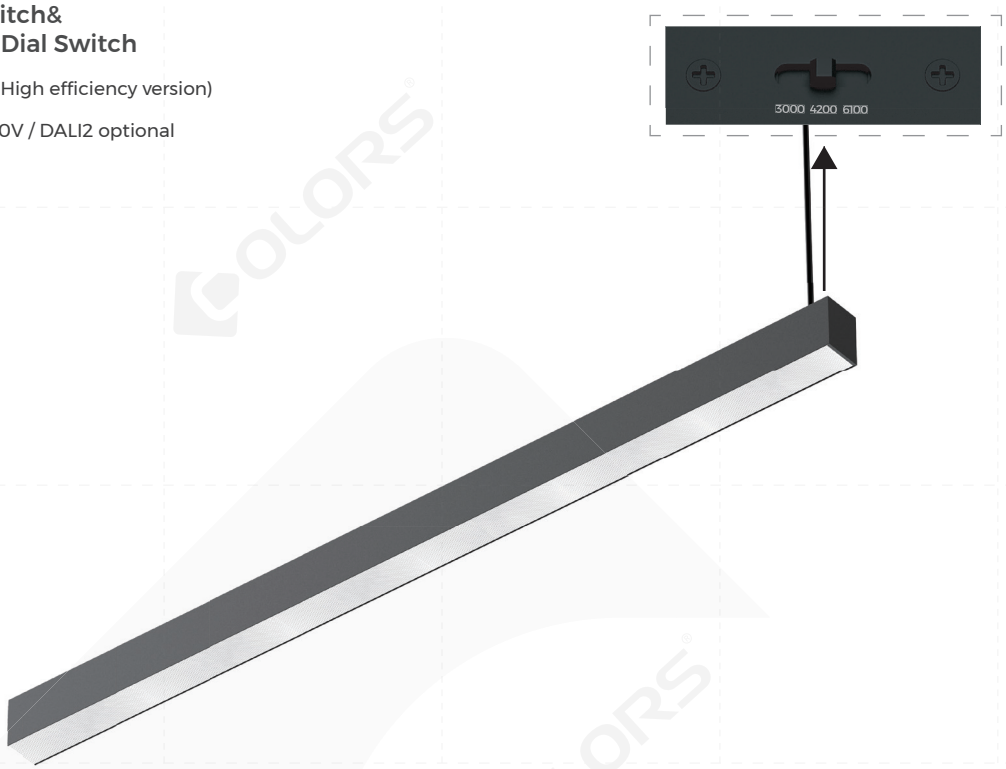
· Dimming method: Non / 1-10V / DALI2 optional



Normal-3 CCT Dial Switch&
High Efficiency-3 CCT Dial Switch

· 95lm/W (Normal), 115lm/W (High efficiency version)

· Dimming method: Non / 1-10V / DALI2 optional



◎ Packing

Model	Modes of packing	Quantity /box	Quantity /carton	GW /box(kg)	Carton (kg)	GW /carton(kg)	Size (mm/carton)
LLS-AS50FPXBS1200(N) -T38NW8N-DC	Single-Unit Inner Box Packaging	1	6	1.75	0.40	10.90	1220*185*175 [48.0"*7.3"*6.9"]
LLS-AS50FPXBS1800(N) -T58NW8N-DC	Single-Unit Inner Box Packaging	1	6	2.45	0.60	15.30	1820*185*175 [71.6"*7.3"*6.9"]

◎ Code Specification

LLS - AS 50 F P X B S 1800 (N) - T 58 W 9 A - D C

- LLS: Linear Light
- AS: Head-light Downward Pendant/Ceiling (with wire/one end cap)
  - BS: Intermediate light Downward Pendant/Ceiling (without wire/without end cap)
  - CS:Intermediate light Downward Pendant/Ceiling (with wire/without end cap)
  - DS: Tail light Downward Pendant/Ceiling (without wire/one end cap)
- 50: 50 series
- F: Flat
- P: Prismatic
- X: No Carrier
- B: Matte Black W: Matte White
- S: Holeless end Cap
- 1200: 1200mm 1800: 1800mm
- (N): H: High Efficiency N: Normal TN: Normal-3 CCT Dial Switch; TH: High Efficiency-3 CCT Dial Switch
- T: Constant Current Rigid PCB
- 38: 38W 58: 58W
- SW: 2600-2800K WW: 2800-3200K NW: 3800-4200K W: 6000-6500K WWW: 3000-4200-6500K
- 8: CRI>80 9: CRI>90
- A: DALI Dimming D: 1-10V Dimming N: Non Dimming
- D: Single-Unit Inner Box Packaging
- C: Colors S: Customize

◎ 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