

Downlights Specification

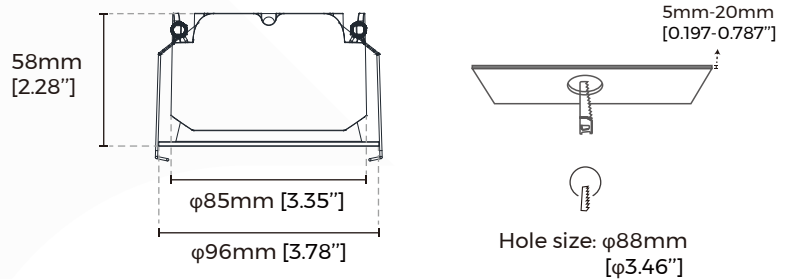
SE88L

— SPARK series



【Basic Parameters】

- Material: ADC12, spraying
- Coating: White optional
- Driver Installation: Remote
- IP grade: IP20/Front Part IP44
- CCT: 2700/3000/4000/3000-4000-5000K optional
- CRI: 90
- SDCM(Whole Luminaire): <5 Step (ANSI)(CCT tunable)
- SDCM(Light source): <3 Step (ANSI)(CCT tunable)
- SDCM(Whole Luminaire): <5 Step (Bridgelux)(Normal)
- SDCM(Light source): <3 Step (Bridgelux)(Normal)
- Beam angle(Normal): 28°/36°/55° optional
- Beam angle(CCT tunable): 36°/45° /35°65° optional
- Light efficiency(Normal): 120/120/115 LM/W
- Light efficiency(CCT tunable): 105/90/82LM/W
- U G R: $UGR \leq 16(X=4H, Y=8H)(28^\circ/36^\circ)$ 、
 $UGR \leq 19(X=4H, Y=8H)(45^\circ/55^\circ)$
- Lighting direction: downward
- Dimming method: Non / 1-10V / DALI optional
- Input voltage: AC220-240V
- Working temperature: -15°C~40°C
- Application: Indoor
- Installation: Recessed
- Certification: CE、ROHS、Reach、UKCA
- Warranty: 5 years



【Luminaire Parameters】

Version	Model	Size (mm)	Hole size (mm)	Input Voltage (V)	Max. Current (A)	Type Power (W)	Beam Angle (°)	CRI	CCT	Lumen (LM)
Normal	SE88L	φ96*58 [3.78"*2.28"]	φ88 [φ3.46"]	AC 200-240V	0.05	10.0	28°	>90	2700K	1045
							3000K		1105	
							4000K		1200	
							36°		2700K	1045
							3000K		1105	
							4000K		1200	
							55°		2700K	1000
							3000K		1060	
							4000K		1150	

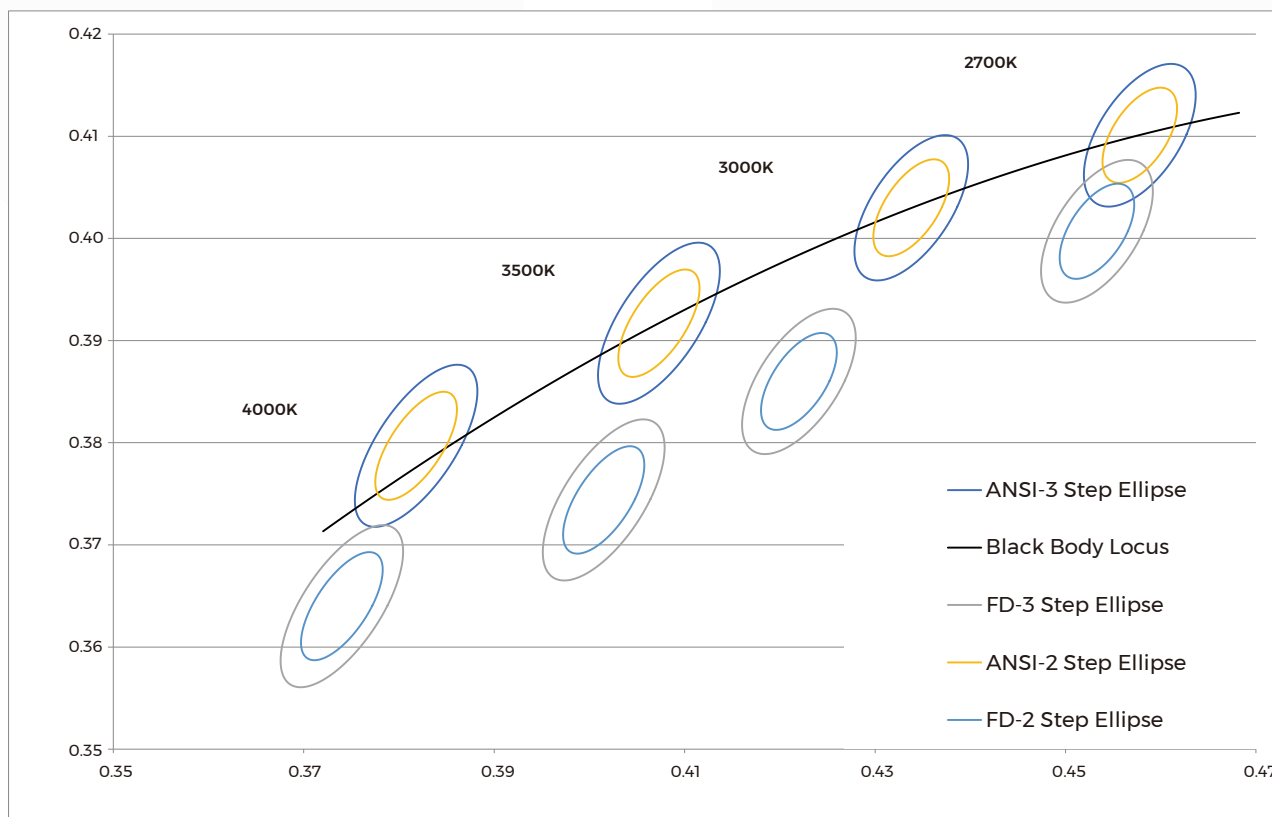
CCT tunable (Dial switch)	SE88L	φ96*58 [3.78"*2.28"]	φ88 [φ3.46"]	AC 200-240V	0.05	10.0	36°	>90	3000K	800
									4000K	900
									5000K	900
							45°		3000K	770
									4000K	870
									5000K	880
							35°x65°		3000K	680
									4000K	770
									5000K	720

Note:

1. The output data is based on the testing result of Ra90,4000K light source;
2. The tolerance of output data can be vary up to 10%;
3. The input voltage of the light source is 36V and the input current is 250mA(10W);
- 4.The output data is typical value.

[Color Bining Information]

Figure:Warm and Neutral White Test Bins In xy Color Space(Light source of normal version)



Note:Pulsed Test Conditions, $T_c = 65^{\circ}\text{C}$

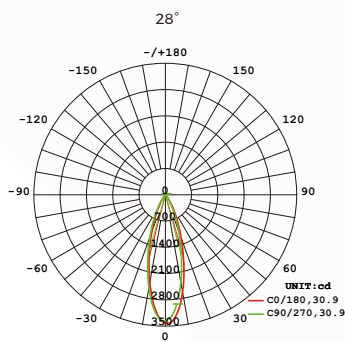
Figure: Warm and Neutral White xy Bin Coordinates and Associated Typical CCT (product is hot targeted to Tc = 65°C)

Bin Code	2700K	3000K	3500K	4000K
ANSI Bin (for reference only)	(2580K-2870K)	(2870K-3220K)	(3220K-3710K)	(3710K-4260K)
83 (3 SDCM)	(2645K-2788K)	(3025K-3210K)	(3333K-3567K)	(3935K-4254K)
82 (2 SDCM)	(2668K-2764K)	(3055K-3178K)	(3370K-3526K)	(3985K-4197K)
Center Point (x,y)	(0.4533,0.4007)	(0.422,0.386)	(0.4015,0.3744)	(0.374,0.364)

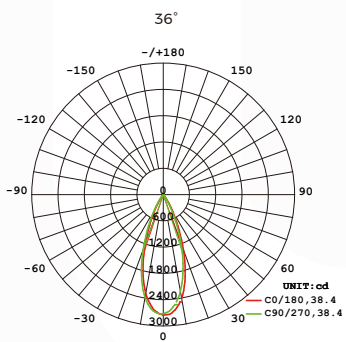
Note: Bridgelux maintains a tolerance of +/- 0.007 on x and y color coordinates in the CIE 1931 color Space.

[Optical Parameter]

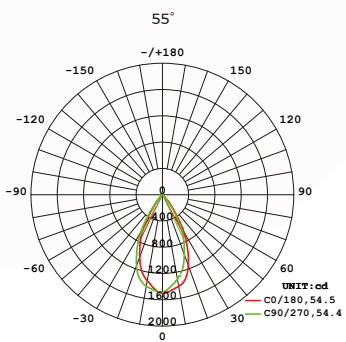
[Normal]



AVERAGE BEAM ANGLE(50%):30.9 DEG

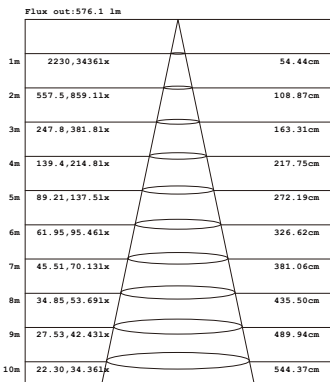


AVERAGE BEAM ANGLE(50%):38.4 DEG

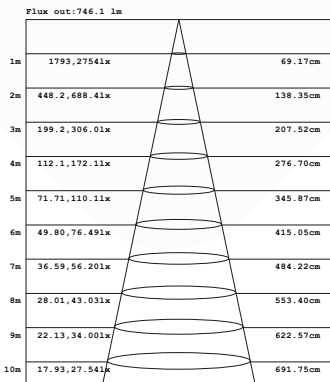


AVERAGE BEAM ANGLE(50%):54.4 DEG

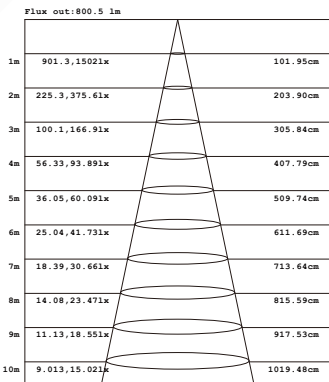
Luminous intensity distribution diagram



Height Eavg,Emax Angle:30.45deg Diameter



Height Eavg,Emax Angle:38.16deg Diameter

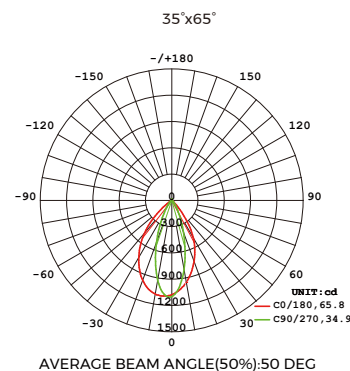
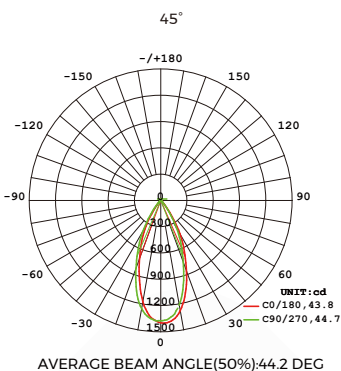
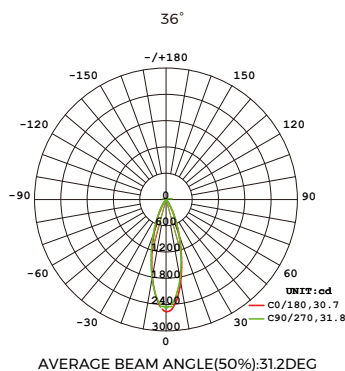


Height Eavg,Emax Angle:54.02deg Diameter

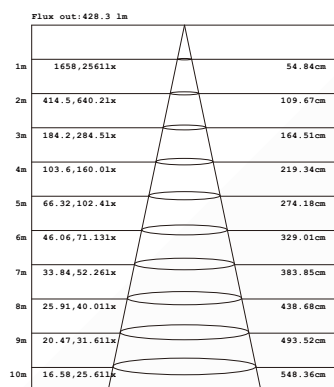
Note: The Curves indicate the illuminated area and the average, illumination when the luminaire is at different distance.

AAI Figure

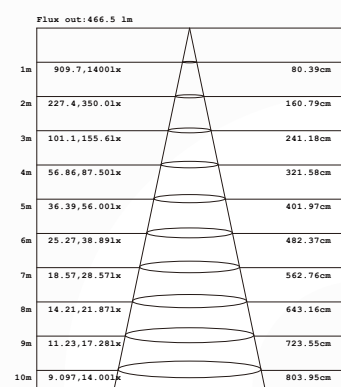
【CCT tunable】



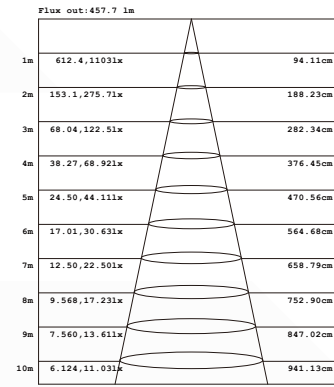
Luminous intensity distribution diagram



Height Eavg,Emax Angle:30.66deg Diameter



Height Eavg,Emax Angle:43.80deg Diameter



Height Eavg,Emax Angle:50.4deg Diameter

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

AAI Figure

【Packing】

Model	Size (mm/box)	Quantity /box	Quantity /carton	NW (kg)	NW /carton/(kg)	GW (kg)	Size (mm/carton)
DL-SE88L10(N)- N930W28	168*144*100 [6.61"*5.67"*3.94"]	1	48	0.41	19.68	21.60	592*519*422 [23.31"*20.43"*16.61"]
DL-SE88L10(T)- N930W28	168*144*100 [6.61"*5.67"*3.94"]	1	48	0.41	19.68	21.60	592*519*422 [23.31"*20.43"*16.61"]

【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.