

Downlights Specification

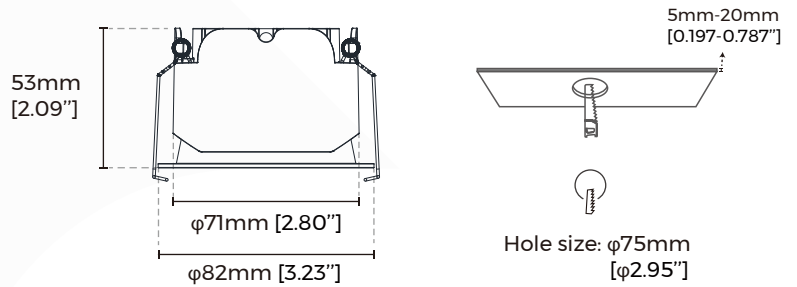
SE75L

— 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): 125/125/118 LM/W
- Light efficiency(CCT tunable): 103/100/85LM/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	SE75L	φ82*53 [3.23***2.09"]	φ75 [φ2.95"]	AC 200-240V	0.04	6.0	28°	>90	2700K	655
							3000K		690	
							4000K		750	
							36°		2700K	655
							3000K		690	
							4000K		750	
							55°		2700K	620
							3000K		655	
							4000K		710	

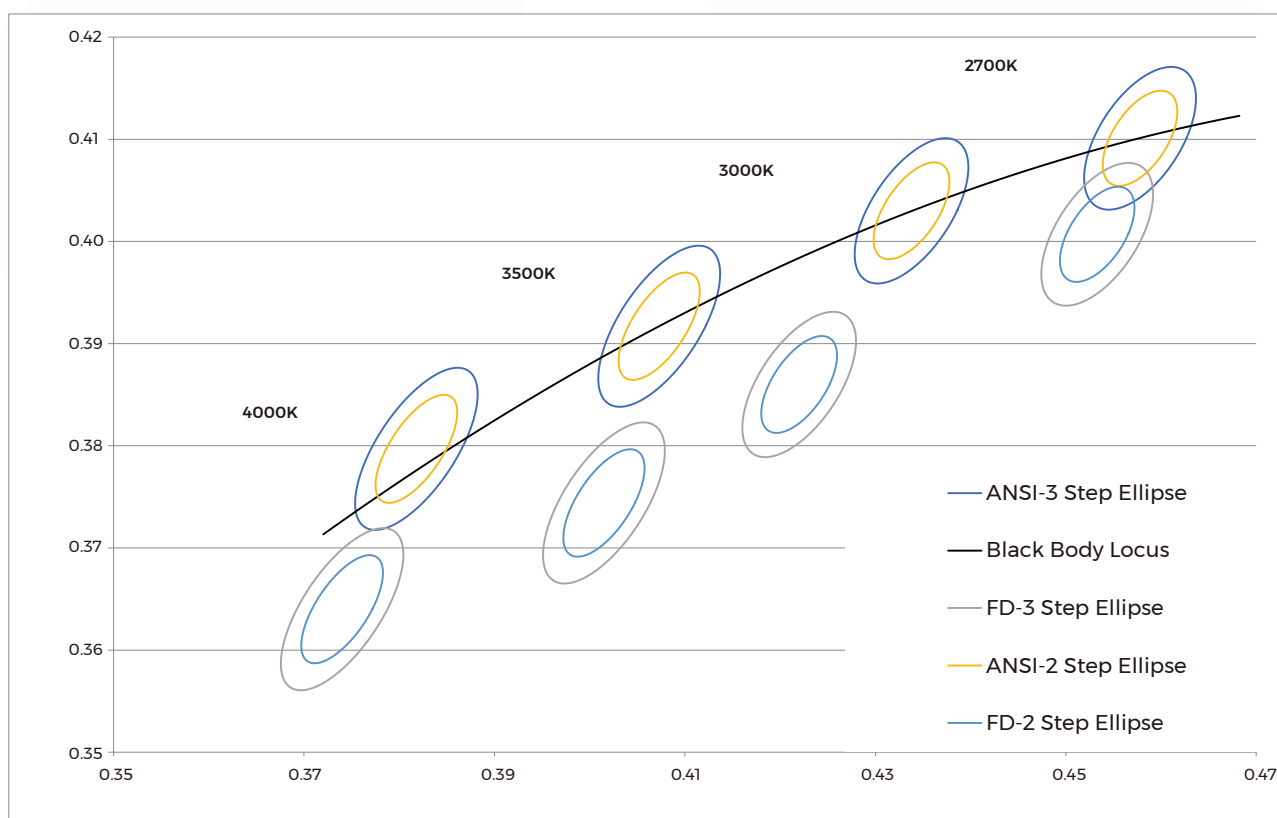
CCT tunable (Dial switch)	SE75L	φ82*53 [3.23"*2.09"]	φ75 [φ2.95"]	AC 200-240V	0.04	6.0	36°	>90	3000K	500
									4000K	540
									5000K	550
							45°		3000K	470
									4000K	530
									5000K	530
							35°x65°		3000K	420
									4000K	455
									5000K	455

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 150mA(6W);
- 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, $T_c = 65^{\circ}\text{C}$

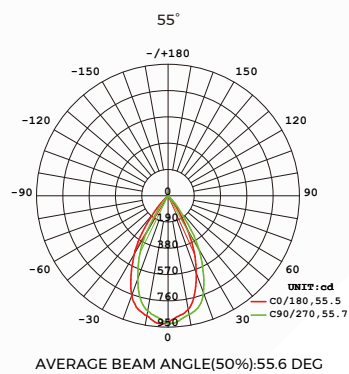
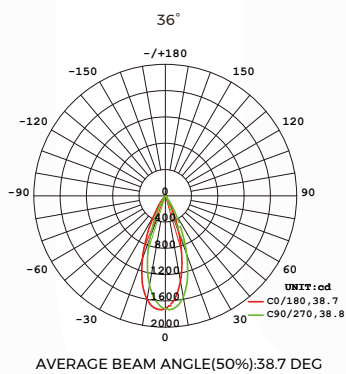
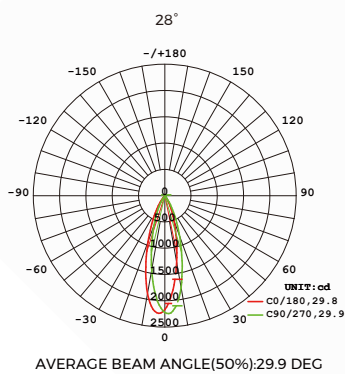
Figure: Warm and Neutral White xy Bin Coordinates and Associated Typical CCT (product is hot targeted to Tc = 65°C)

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)

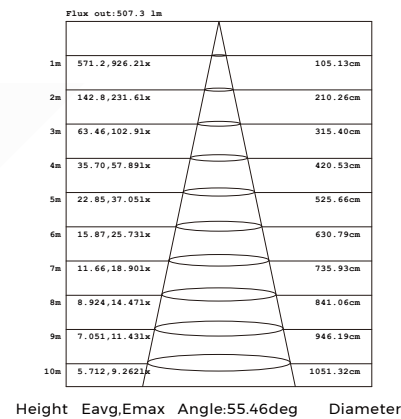
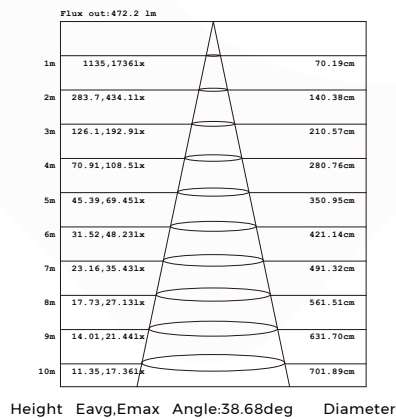
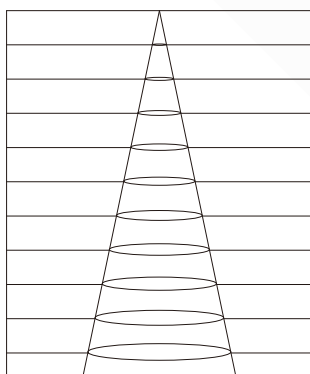
Note: Bridgelux maintains a tolerance of +/- 0.007 on x and y color coordinates in the CIE 1931 color Space.

[Optical Parameter]

[Normal]



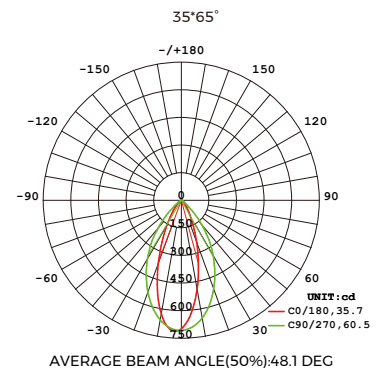
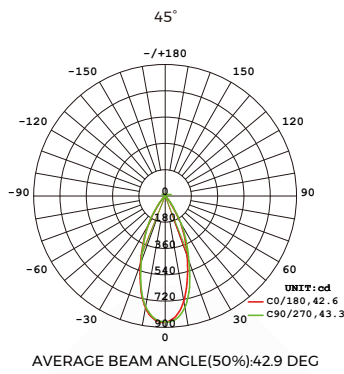
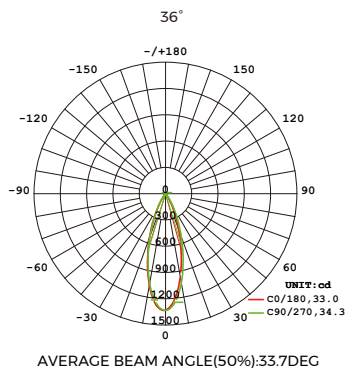
Luminous intensity distribution diagram



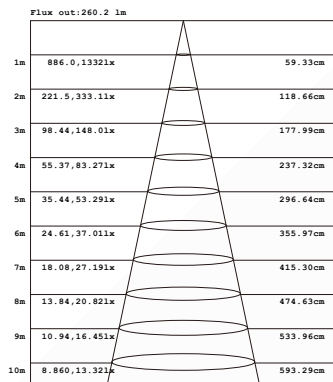
Note: The Curves indicate the illuminated area and the average, illumination when the luminaire is at different distance.

AAI Figure

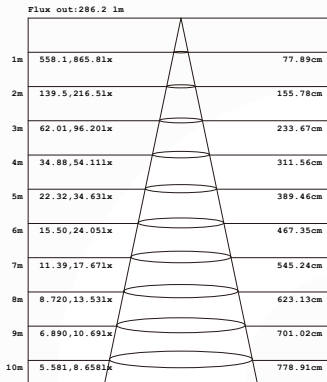
【CCT tunable】



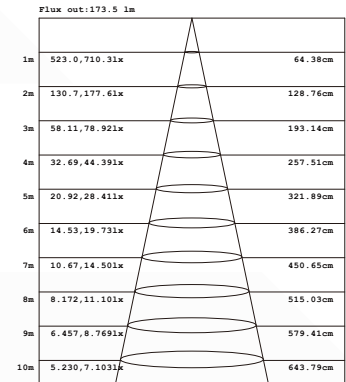
Luminous intensity distribution diagram



Height Eavg,Emax Angle:33.05deg Diameter



Height Eavg,Emax Angle:42.56deg Diameter



Height Eavg,Emax Angle:35.69deg 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-SE75L06(N)-N930W28	168*144*100 [6.61"*5.67"*3.94"]	1	48	0.26	12.48	14.50	592*519*422 [23.31"*20.43"*16.61"]
DL-SE75L06(T)-N930W28	168*144*100 [6.61"*5.67"*3.94"]	1	48	0.26	12.48	14.50	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.