

Downlights Specification

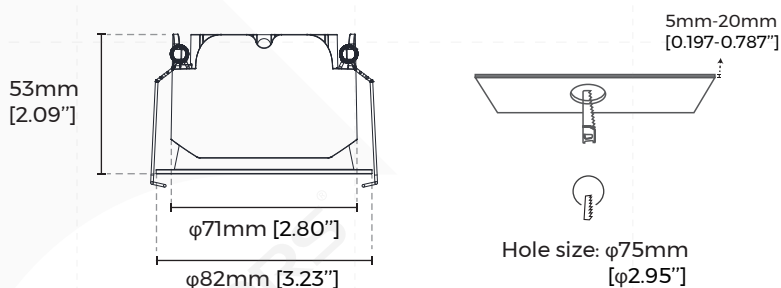
SE75L

— SPARK series



【Basic Parameters】

- Material: ADC12, spraying
- Coating: White optional
- Driver Installation: Remote
- IP grade: IP20/Front Part IP44
- CCT: 2700/3000/4000/3000-3800-5000K 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≤16(X=4H,Y=8H)(28°/36°),
UGR≤19(X=4H,Y=8H)(45°/55°)
- 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						

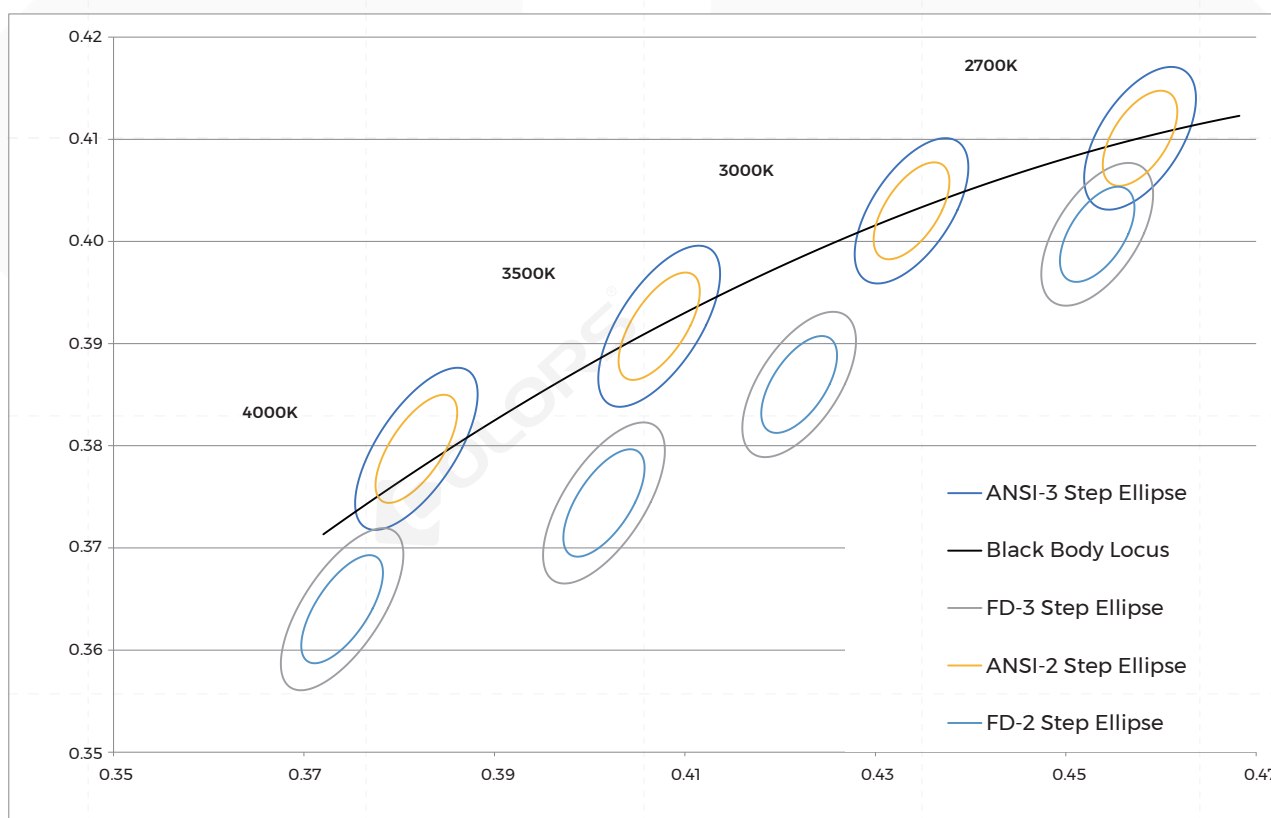
CCT tunable (Dial switch)	SE75L	φ82*53 [3.23"*2.09"]	φ75 [φ2.95"]	AC 200-240V	0.04	6.0	36°	>90	3000K	495	
									3800K	565	
									5000K	530	
							45°		3000K	495	
									3800K	565	
									5000K	530	
							35°x65°		3000K	508	
									3800K	554	
									5000K	545	

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, $T_c = 65^\circ\text{C}$

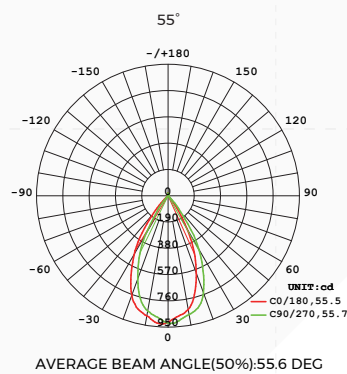
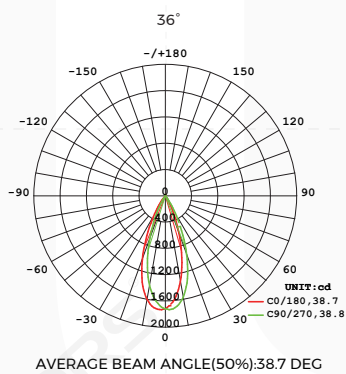
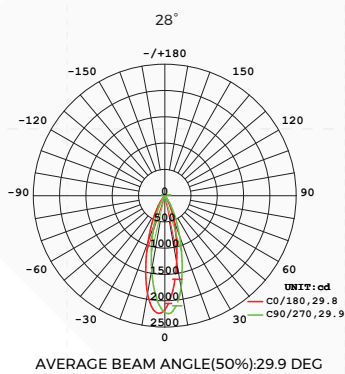
Figure: Warm and Neutral White xy Bin Coordinates and Associated Typical CCT (product is hot targeted to Tc = 65°C)

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)

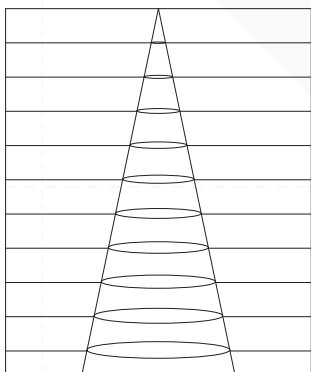
Note: Bridgelux maintains a tolerance of +/- 0.007 on x and y color coordinates in the CIE 1931 color Space.

[Optical Parameter]

[Normal]



Luminous intensity distribution diagram



Flux out:472.2 lm		
1m	1135,1796lx	70.19cm
2m	283.7,434.1lx	140.38cm
3m	126.1,192.9lx	210.57cm
4m	70.91,108.5lx	280.76cm
5m	45.39,69.45lx	350.95cm
6m	31.52,48.23lx	421.14cm
7m	23.16,35.43lx	491.32cm
8m	17.73,27.13lx	561.51cm
9m	14.01,21.44lx	631.70cm
10m	11.35,17.36lx	701.89cm

Height Eavg,Emax Angle:38.68deg Diameter

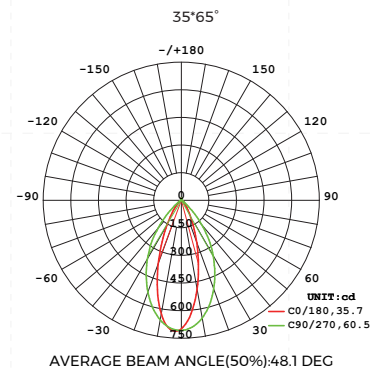
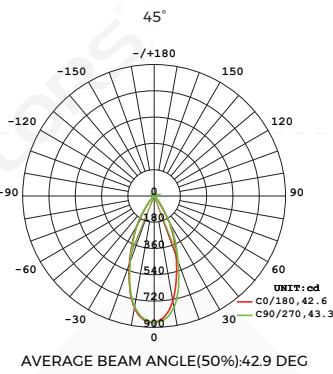
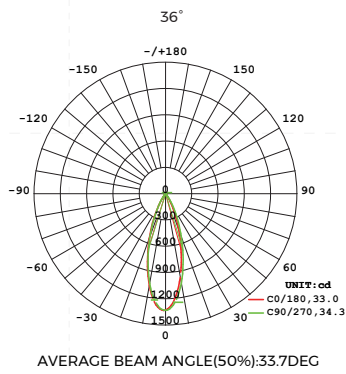
Flux out:507.3 lm		
1m	571.2,926.2lx	105.13cm
2m	142.8,231.6lx	210.26cm
3m	63.46,102.9lx	315.40cm
4m	35.70,57.89lx	420.53cm
5m	22.85,37.05lx	525.66cm
6m	15.87,25.73lx	630.79cm
7m	11.66,18.90lx	735.93cm
8m	8.924,14.47lx	841.06cm
9m	7.051,11.43lx	946.19cm
10m	5.712,9.262lx	1051.32cm

Height Eavg,Emax Angle:55.46deg Diameter

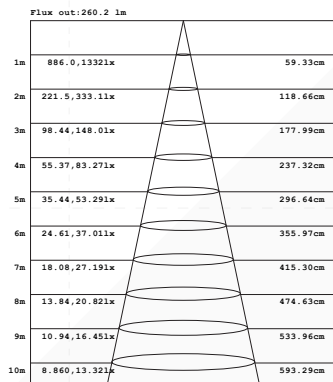
Note:The Curves indicate the illuminated area and the average, illumination when the luminaire is at different distance.

AAI Figure

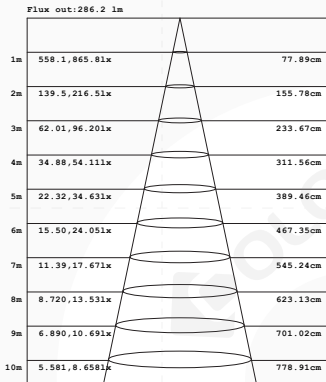
【CCT tunable】



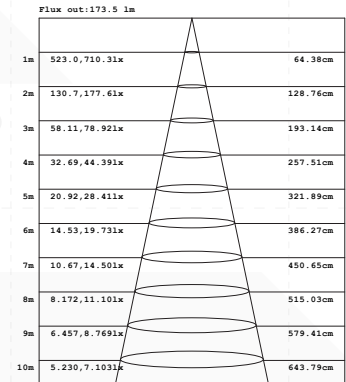
Luminous intensity distribution diagram



Height Eavg,Emax Angle: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.