

Downlights Specification

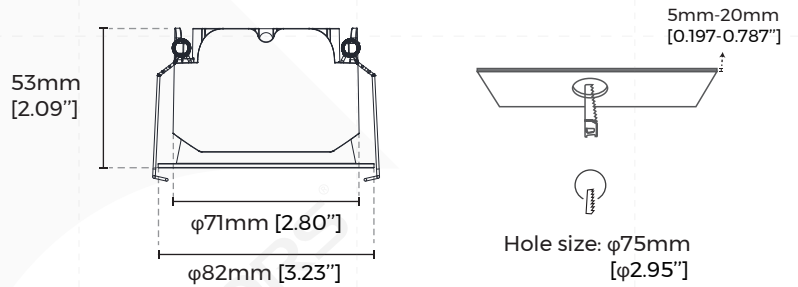
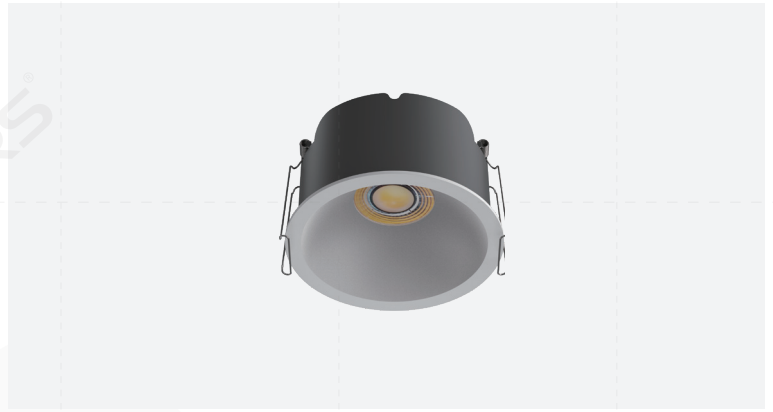
SE75L

— 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 /0-10V / 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

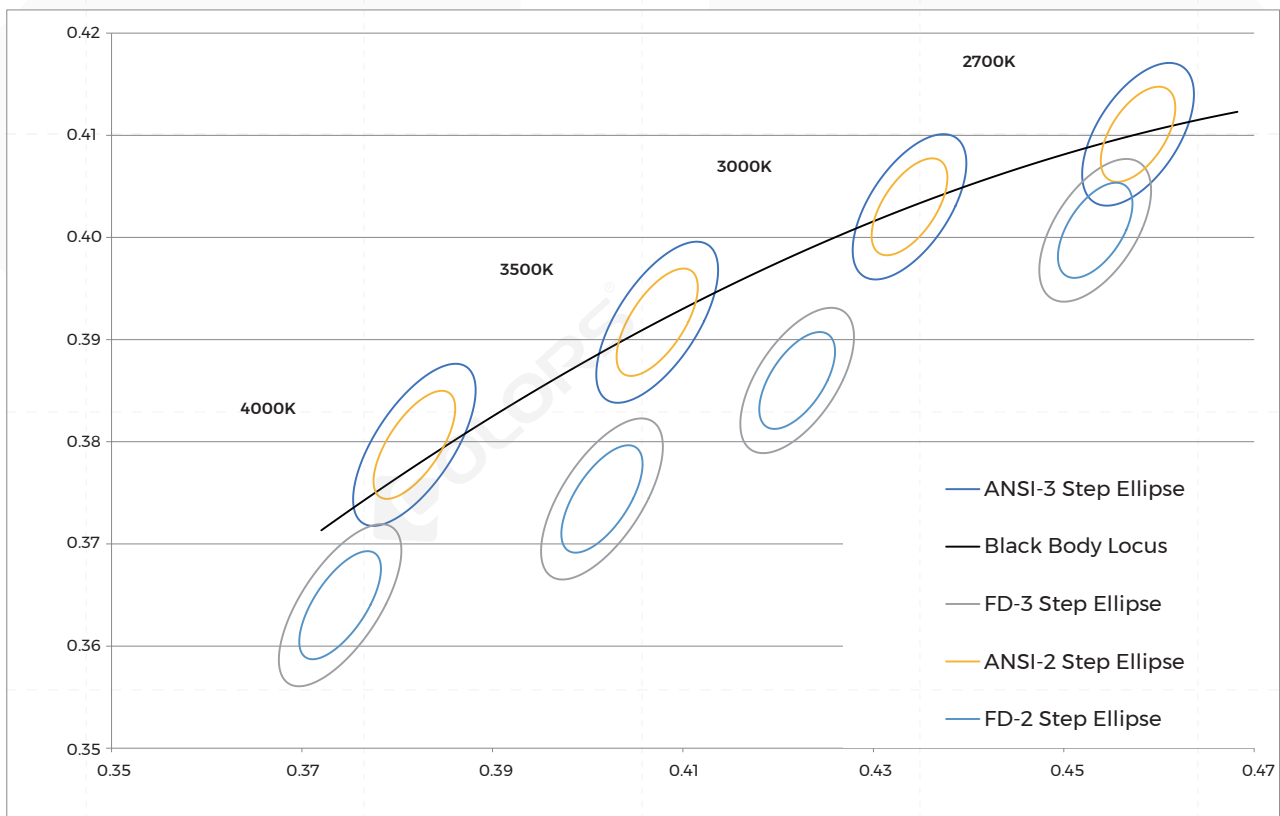
CCT tunable (Dial switch)	SE75L	φ82*53 [3.23**2.09"]	φ75 [φ2.95"]	AC 200-240V	0.04	6.0	36°	>90	3000K	495
									3800K	565
									5000K	530
							45°		3000K	495
									3800K	565
									5000K	530
							35°x65°		3000K	508
									3800K	554
									5000K	545

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

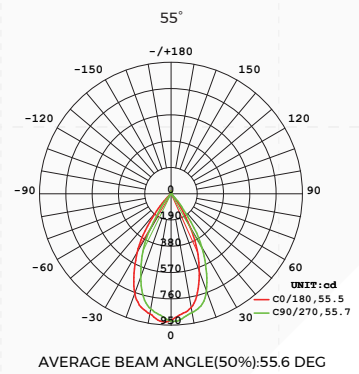
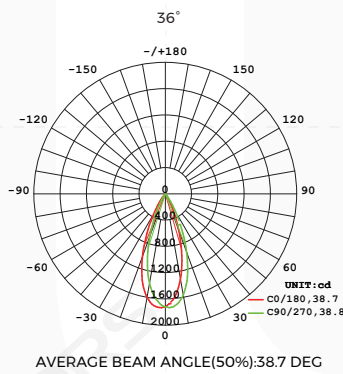
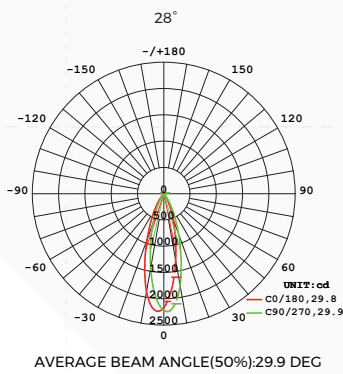
Figure: Warm and Neutral White xy Bin Coordinates and Associated Typical CCT (product is hot targeted to Tc = 65°C)

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)

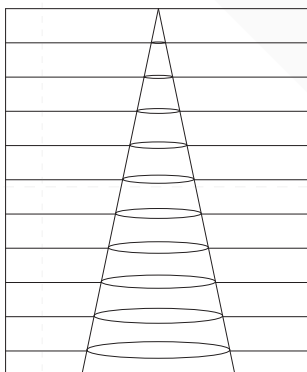
Note: Bridgelux maintains a tolerance of +/- 0.007 on x and y color coordinates in the CIE 1931 color Space.

[Optical Parameter]

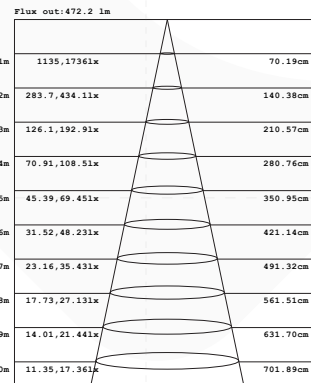
[Normal]



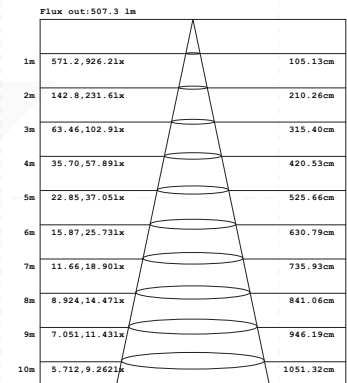
Luminous intensity distribution diagram



Height Eavg,Emax Angle:29.83deg Diameter



Height Eavg,Emax Angle:38.68deg Diameter

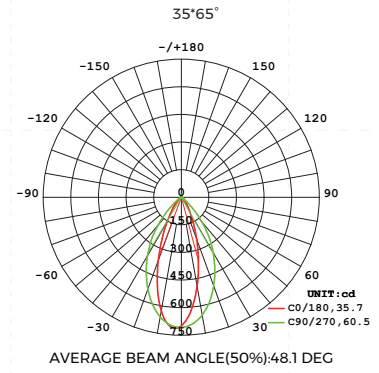
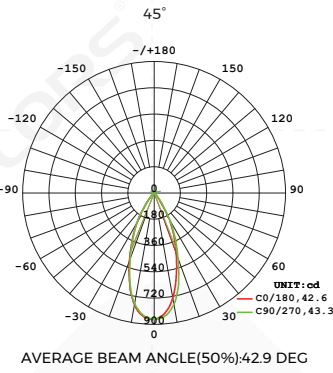
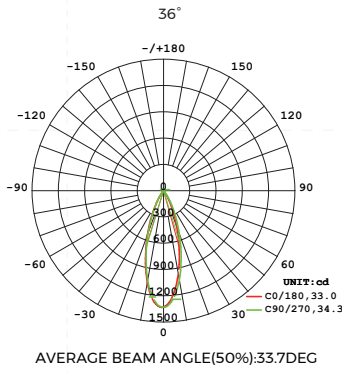


Height Eavg,Emax Angle:55.46deg Diameter

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

Flux out:260.2 lm

1m	886.0,1332lx	59.33cm
2m	221.5,333.1lx	118.66cm
3m	98.44,148.0lx	177.99cm
4m	55.37,83.27lx	237.32cm
5m	35.44,53.29lx	296.64cm
6m	24.61,37.01lx	355.97cm
7m	18.08,27.19lx	415.30cm
8m	13.84,20.82lx	474.63cm
9m	10.94,16.45lx	533.96cm
10m	8.860,13.32lx	593.29cm

Height Eavg,Emax Angle:33.05deg Diameter

Flux out:286.2 lm

1m	958.1,1,865.8lx	77.89cm
2m	239.5,216.5lx	155.78cm
3m	102.0,96.20lx	233.67cm
4m	56.88,54.11lx	311.56cm
5m	32.32,34.63lx	389.46cm
6m	15.50,24.05lx	467.35cm
7m	11.39,17.67lx	545.24cm
8m	8.720,13.53lx	623.13cm
9m	6.890,10.69lx	701.02cm
10m	5.981,8.658lx	778.91cm

Height Eavg,Emax Angle:42.56deg Diameter

Flux out:173.5 lm

1m	523.0,710.3lx	64.38cm
2m	130.7,177.6lx	128.76cm
3m	58.11,78.92lx	193.14cm
4m	32.69,44.39lx	257.51cm
5m	20.92,28.41lx	321.89cm
6m	14.53,19.73lx	386.27cm
7m	10.67,14.50lx	450.65cm
8m	8.172,11.10lx	515.03cm
9m	6.457,8.769lx	579.41cm
10m	5.230,7.103lx	643.79cm

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.