

Downlights Specification

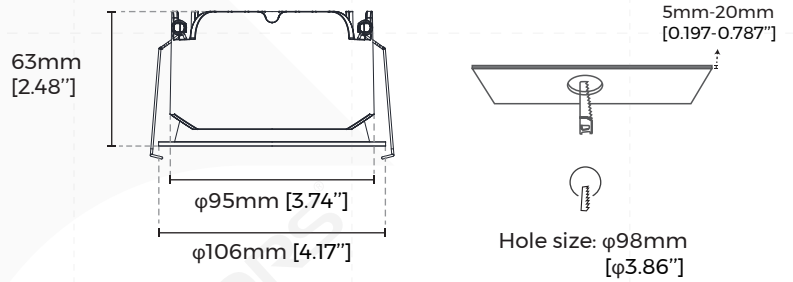
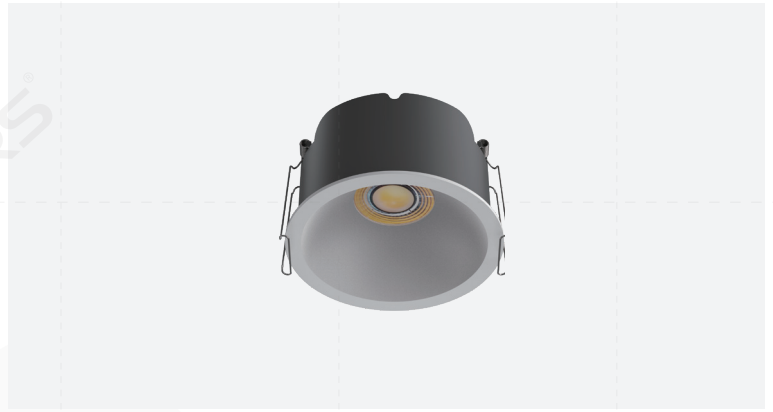
SE98L

— 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): 110/110/110 LM/W
- Light efficiency(CCT tunable): 95/95/83LM/W
- U G R(Normal): UGR≤10(X=4H,Y=8H)(28°/36°)、
UGR≤13(X=4H,Y=8H)(55°)
- U G R(CCT tunable): UGR≤16(X=4H,Y=8H)(36°)、
UGR≤19(X=4H,Y=8H)(45°)
- 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
- 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	SE98L	φ106*63 [4.17**2.48"]	φ98 [φ3.86"]	AC 200-240V	0.08	15.0	28°	>90	2700K	1435	
									3000K	1520	
									4000K	1650	
							36°		2700K	1435	
									3000K	1520	
									4000K	1650	
									55°	2700K	1435
										3000K	1520
										4000K	1650

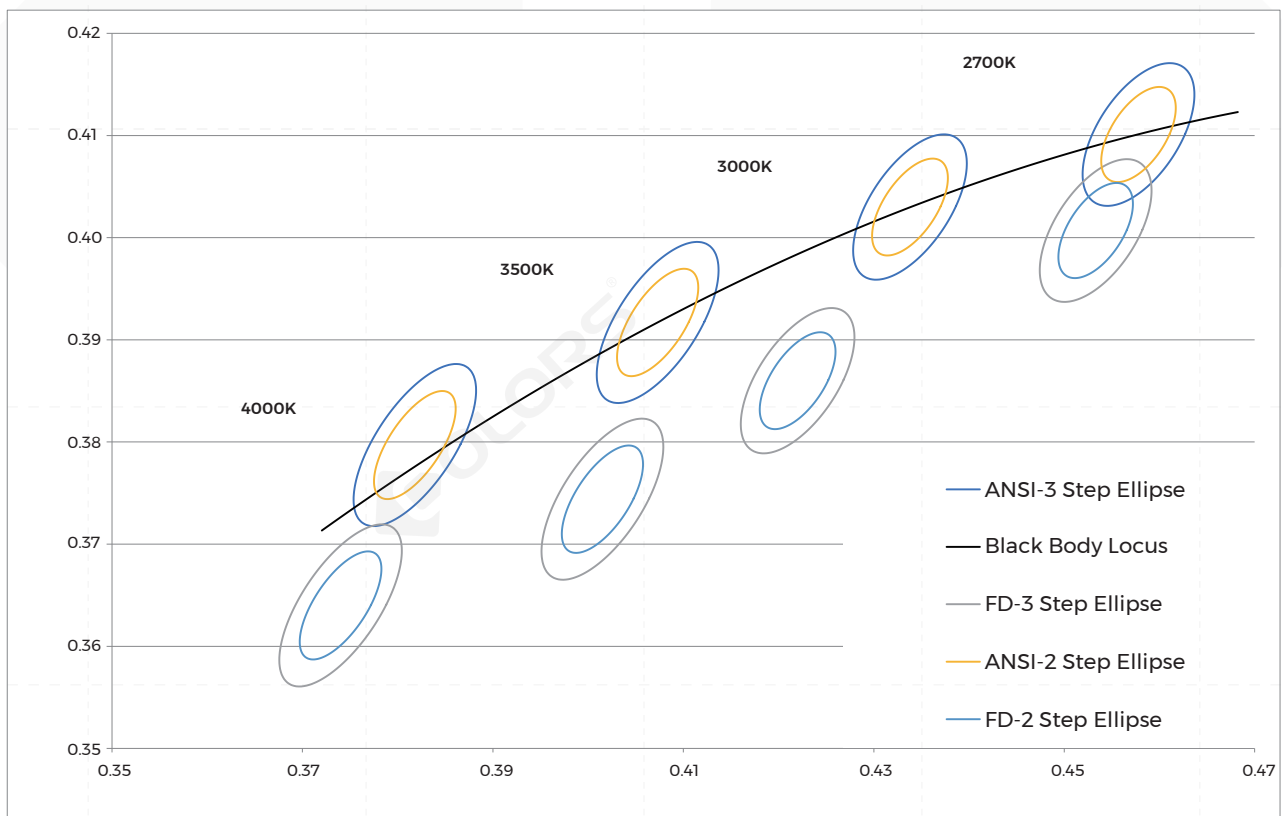
CCT tunable (DIP switch)	DL-SE98L15	$\varphi 106 \times 63$ [4.17"×2.48"]	$\varphi 98$ [$\varphi 3.86$ "]	AC 200-240V	0.08	15.0	36°	>90	3000K	1240
									3800K	1365
									5000K	1240
							45°		3000K	1240
									3800K	1365
									5000K	1240
							35°×65°		3000K	1126
									3800K	1205
									5000K	1192

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 350mA(15W);
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, $T_c = 65^\circ\text{C}$

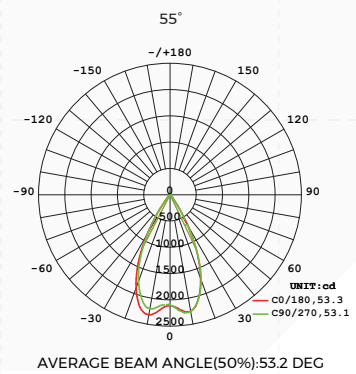
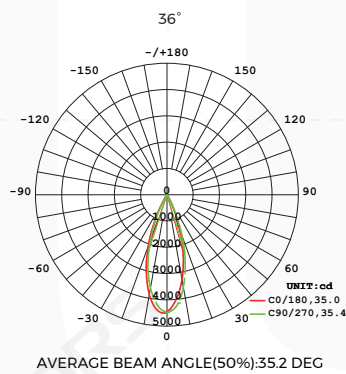
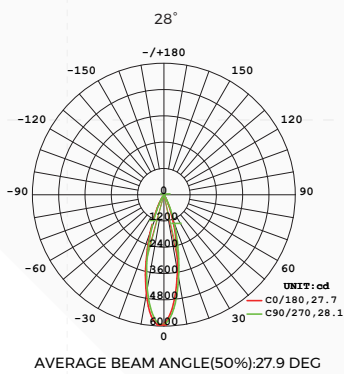
Figure: Warm and Neutral White xy Bin Coordinates and Associated Typical CCT (product is hot targeted to Tc = 65°C)

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)

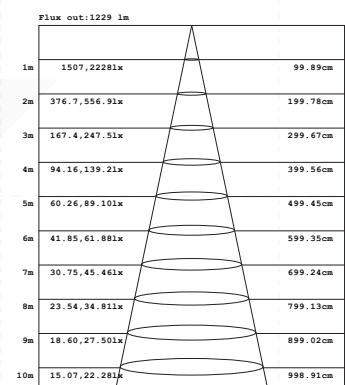
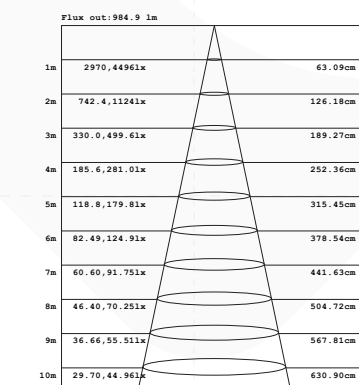
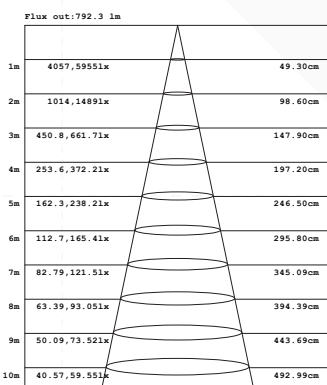
Note: Bridgelux maintains a tolerance of +/- 0.007 on x and y color coordinates in the CIE 1931 color Space.

[Optical Parameter]

[Normal]



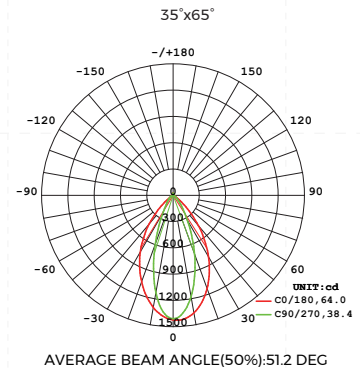
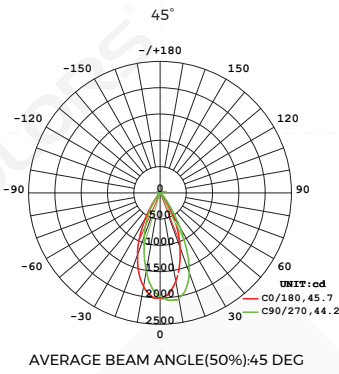
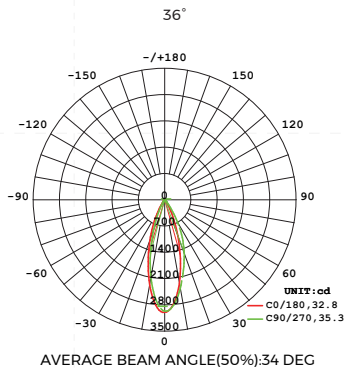
Luminous intensity distribution diagram



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

Flux out:574.4 lm

1m	1956,3000lx	58.82cm
2m	489.0,749.9lx	117.63cm
3m	217.4,333.3lx	176.45cm
4m	122.3,187.5lx	235.27cm
5m	78.25,120.0lx	294.08cm
6m	54.34,83.32lx	352.90cm
7m	39.92,61.22lx	411.72cm
8m	30.57,46.87lx	470.53cm
9m	24.15,37.03lx	529.35cm
10m	19.56,30.00lx	588.16cm

Height Eavg,Emax Angle:32.78deg Diameter

Flux out:730.3 lm

1m	1290,2028lx	81.30cm
2m	322.5,507.0lx	162.61cm
3m	143.3,225.3lx	243.91cm
4m	80.63,126.7lx	325.21cm
5m	51.60,81.11lx	406.52cm
6m	35.84,56.33lx	487.82cm
7m	26.33,41.38lx	569.12cm
8m	20.16,31.68lx	650.42cm
9m	15.93,25.03lx	731.73cm
10m	12.90,20.28lx	813.03cm

Height Eavg,Emax Angle:44.2deg Diameter

Flux out:611.8 lm

1m	818.7,1425lx	95.82cm
2m	204.7,356.3lx	191.65cm
3m	90.96,158.4lx	287.47cm
4m	51.17,89.08lx	383.30cm
5m	32.75,57.01lx	479.12cm
6m	22.74,39.59lx	574.94cm
7m	16.71,29.09lx	670.77cm
8m	12.79,22.27lx	766.59cm
9m	10.11,17.60lx	862.42cm
10m	8.187,14.25lx	958.24cm

Height Eavg,Emax Angle:51.2deg 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-SE98L15(N)-N930W28	168*144*100 [6.61"*5.67"*3.94"]	1	48	0.47	22.56	23.50	592*519*422 [23.31"*20.43"*16.61"]
DL-SE98L15(T)-N930W28	168*144*100 [6.61"*5.67"*3.94"]	1	48	0.47	22.56	23.50	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.