

SSL-CRLED SERIES



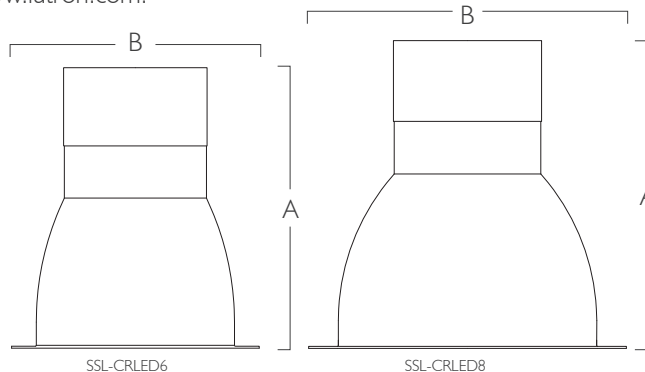
SSL-CRLED6

Product Description

SSL-CRLED 6" and 8" Commercial Downlight LED are suitable for 100~277VAC Input or 120V with fire-rated Junction box, which delivers high lumens of exceptional 80+ CRI, Lifetime more than 50,000 hour with 3000K, 4000K, or 5000K ES color temperature options. Easy conversion method and installation can be performed from below the ceiling without removing existing fixture.

Recommend Dimmers

- Leviton cat, Nos:
AWRMG-7XX, AWSMG-7XX, AWSMT-7XX, IP710-LFX/DLX. Available at: www.leviton.com.
- Lutron cat, Nos:
DIVA-DTV, NOVA-NVTV, NOVAT-NTFTV W/PP20. Available at: www.lutron.com.



SSL-CRLED8

Features

- LED Chip**
Superior-quality white LED light output using Chip on Board of cool ceramic, use CREE COB. LED sources have been LM80 test report from accredited testing laboratory in accordance with IESNA LM-80-2008 Standard color management that maintains superior color consistency and temperature over time. CCT classification according to the ANSI C78.377-2008 standard.
- Heat Sink**
The source mounts directly to heat sink, extend aluminum heat sink with even distribution hackle cool board. High thermal conductivity to solve thermal management system design of the cooling. This enables the LEDs to consistently run cooler, providing significant boosts to lifetime, efficiency, and color consistency.
- Optical System**
The reflector is made of metal material and with surface oxidized, which effectively enhances the lumen output ratio. Also its fish scale shape design interior surface prevent lighting glare very well, making the light effect quite even and free from layering.

Model Number	Input Power	Lumens	CCT	Dimension (A x B)	Volt	Dimming Style
SSL-CRLED6-18/40K	18W	1438lm	4000K	7.68" X 7.48"	100-277V	DC
SSL-CRLED6-18/50K	18W	1438lm	5000K	7.68" X 7.48"	100-277V	DC
SSL-CRLED6-27/40K	27W	2220lm	4000K	8.46" x 7.48"	100-277V	DC
SSL-CRLED6-27/50K	27W	2220lm	5000K	8.46" x 7.48"	100-277V	DC
SSL-CRLED8-18/40K	18W	1438lm	4000K	8.19" x 9.29"	100-277V	DC
SSL-CRLED8-18/50K	18W	1438lm	5000K	8.19" x 9.29"	100-277V	DC
SSL-CRLED8-27/40K	27W	2220lm	4000K	8.98" x 9.29"	100-277V	DC
SSL-CRLED8-27/50K	27W	2220lm	5000K	8.98" x 9.29"	100-277V	DC
SSL-CRLED8-40/40K	40W	2880lm	4000K	8.98" x 9.29"	100-277V	DC
SSL-CRLED8-40/50K	40W	2880lm	5000K	8.98" x 9.29"	100-277V	DC



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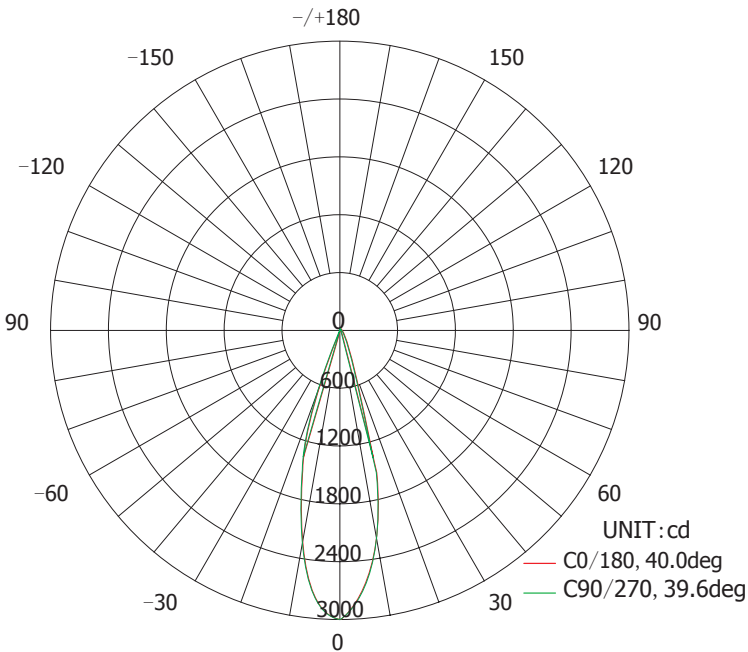


SSL-CRLED6-18/40K & 50K

Photometric

Fixture photometry has been conducted accredited testing laboratory in accordance with IESNA LM-79-08.

Luminous Intensity Distribution Program



	C0/180	C45/225	C90/270	C135/315	AVG.
Beam Angle (50% Imax)	40.0	40.2	39.6	39.7	39.88
Field Angle (10% Imax)	70.0	69.6	69.5	69.8	69.73

PERFORMANCE SUMMARY SSL-CRLED6-18/40K SSL-CRLED6-18/50K

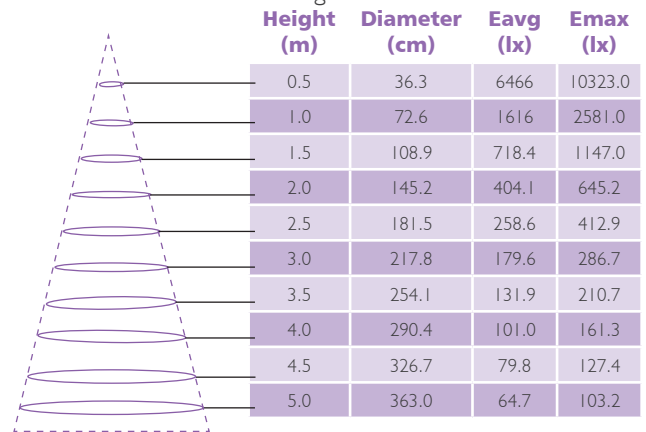
Efficiency	>83.766LPW	
Rated Power	17.56W	
Delivered light output	1470.927 lumens	1548.531 lumens
Chip	CREE COB by Cree TrueWhite Technology	
CRI	Ra > 80	
CCT Options	3000K, 4000K, 5000K	
THD	<20%	
PF	>0.997	>0.998
Standard Warranty	5 Years	
Standard Lifetime	Designed minimum 50,000 hours	
Mounting	Recessed	
External driver	It ensures steady performance and long lifespan	
Driver Efficiency	>87%	
Temperature Rating	Designed to operate in temperatures 45°C and below room side and plenum side	
Certificate	UL, cUL Listed, Energy Star Listed, FCC 47 Part 15, LM79 Report	
Usage	Suitable for damp locations	

Zonal Lumen Density Measurement

Degree	Flux (lm)	%	Degree	Flux (lm)	%
0 - 5	59	4.07	0 - 5	59.0	4.07
5 - 10	157.8	10.89	0 - 10	216.9	14.96
10 - 15	217.1	14.97	0 - 15	433.9	29.93
15 - 20	238.8	16.46	0 - 20	672.7	46.39
20 - 25	235.6	16.25	0 - 25	908.3	62.64
25 - 30	212.6	14.66	0 - 30	1120.9	77.30
30 - 35	136.9	9.44	0 - 35	1257.8	86.74
35 - 40	64.7	4.46	0 - 40	1322.5	91.20
40 - 45	44.8	3.09	0 - 45	1367.2	94.29
45 - 50	29.9	2.06	0 - 50	1397.2	96.35
50 - 55	19.1	1.32	0 - 55	1416.3	97.67
55 - 60	12.9	0.89	0 - 60	1429.2	98.56
60 - 65	8.6	0.59	0 - 65	1437.8	99.15
65 - 70	5.5	0.38	0 - 70	1443.3	99.53
70 - 75	3.5	0.24	0 - 75	1446.8	99.77
75 - 80	2.1	0.15	0 - 80	1448.9	99.92
80 - 85	1.0	0.06	0 - 85	1449.8	99.98
85 - 90	0.2	0.02	0 - 90	1450.1	100.00

Average Illuminance Curve

Angle: 39.4°C. Flux out: 1354.0lm



Luminous Intensity (CD) Distribution Data

C	0°C	45°C	90°C
0°C	2550	2550	2550
10°C	1953	1907	1904
20°C	1209	1165	1169
30°C	620	541	552
40°C	142	134	134
50°C	53	51	55
60°C	20	21	25
70°C	7	8	10
80°C	2	2	3
90°C	0	0	0



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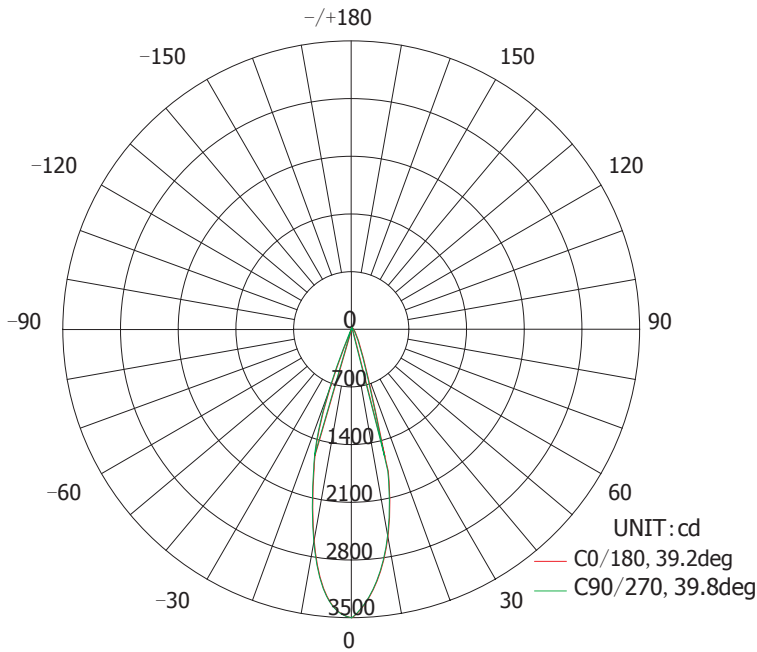


SSL-CRLED6-27/40K & 50K

Photometric

Fixture photometry has been conducted accredited testing laboratory in accordance with IESNA LM-79-08.

Luminous Intensity Distribution Program

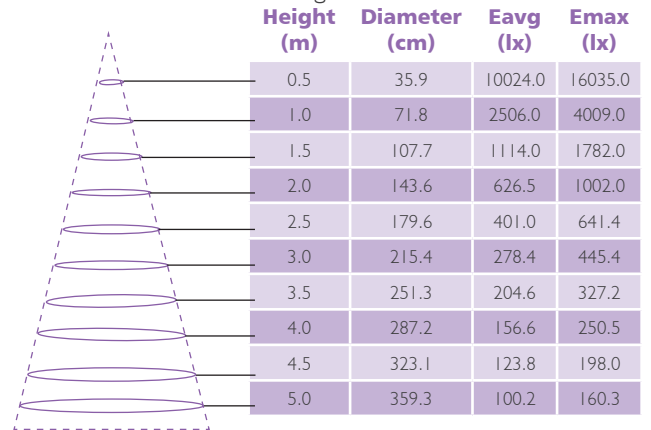


Zonal Lumen Density Measurement

Degree	Flux (lm)	%	Degree	Flux (lm)	%
0 - 5	92.5	4.13	0 - 5	92.5	4.13
5 - 10	245.3	10.97	0 - 10	337.8	15.10
10 - 15	335.6	15.01	0 - 15	673.4	30.11
15 - 20	369.5	16.52	0 - 20	1042.9	46.63
20 - 25	363.0	16.22	0 - 25	1405.9	62.85
25 - 30	327.6	14.65	0 - 30	1733.5	77.50
30 - 35	211.0	9.43	0 - 35	1944.5	86.93
35 - 40	96.8	4.33	0 - 40	2041.3	91.26
40 - 45	68.2	3.05	0 - 45	2109.5	94.31
45 - 50	45.7	2.04	0 - 50	2155.2	96.35
50 - 55	29.3	1.31	0 - 55	2184.5	97.66
55 - 60	20.0	0.89	0 - 60	2204.5	98.55
60 - 65	13.2	0.59	0 - 65	2217.7	99.14
65 - 70	8.6	0.39	0 - 70	2226.3	99.53
70 - 75	5.4	0.24	0 - 75	2231.7	99.77
75 - 80	3.2	0.14	0 - 80	2234.9	99.91
80 - 85	1.6	0.07	0 - 85	2236.5	99.98
85 - 90	0.4	0.02	0 - 90	2236.9	100.00

Average Illuminance Curve

Angle: 39.4°C. Flux out: 1354.0lm



	C0/180	C45/225	C90/270	C135/315	AVG.
Beam Angle (50% Imax)	39.1	38.9	40.0	40.1	39.53
Field Angle (10% Imax)	69.7	69.7	70.0	70.1	69.88

PERFORMANCE SUMMARY SSL-CRLED6-27/40K SSL-CRLED6-27/50K

Efficiency	>83.321LPW	>87.387LPW
Rated Power	27W	27.61W
Delivered light output	2339.642 lumens	2412.764 lumens
Chip	CREE COB by Cree TrueWhite Technology	
CRI	Ra > 80	
CCT Options	3000K, 4000K, 5000K	
THD	<20%	
PF	>0.998	>0.997
Standard Warranty	5 Years	
Standard Lifetime	Designed minimum 50,000 hours	
Mounting	Recessed	
External driver	It ensures steady performance and long lifespan	
Driver Efficiency	>87%	
Temperature Rating	Designed to operate in temperatures 45°C and below room side and plenum side	
Certificate	UL, cUL Listed, Energy Star Listed, FCC 47 Part 15, LM79 Report	
Usage	Suitable for damp locations	

Luminous Intensity (CD) Distribution Data

C	0°C	45°C	90°C
0°C	4003	4003	4003
10°C	3046	3024	3122
20°C	1884	1891	1968
30°C	1014	1008	1069
40°C	221	223	224
50°C	89	86	76
60°C	41	37	28
70°C	17	14	10
80°C	5	4	4
90°C	0	0	0



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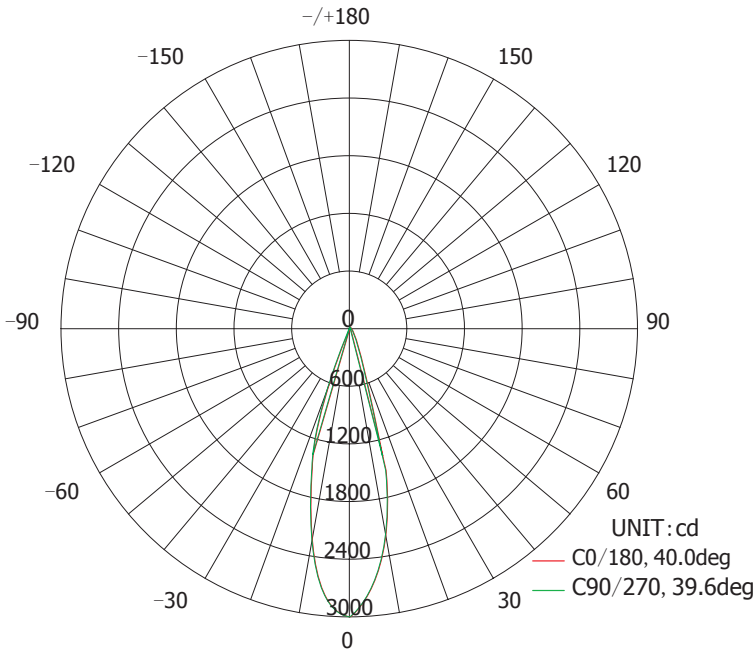


SSL-CRLED8-18/40K & 50K

Photometric

Fixture photometry has been conducted accredited testing laboratory in accordance with IESNA LM-79-08.

Luminous Intensity Distribution Program



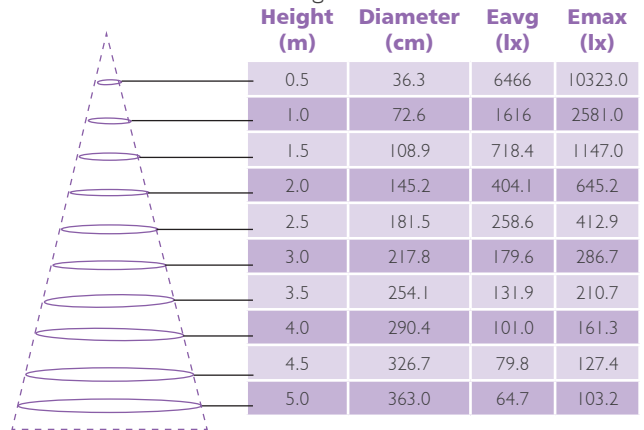
	C0/180	C45/225	C90/270	C135/315	AVG.
Beam Angle (50% Imax)	40.0	40.2	39.6	39.7	39.88
Field Angle (10% Imax)	70.0	69.6	69.5	69.8	69.73

Zonal Lumen Density Measurement

Degree	Flux (lm)	%	Degree	Flux (lm)	%
0 - 5	59	4.07	0 - 5	59.0	4.07
5 - 10	157.8	10.89	0 - 10	216.9	14.96
10 - 15	217.1	14.97	0 - 15	433.9	29.93
15 - 20	238.8	16.46	0 - 20	672.7	46.39
20 - 25	235.6	16.25	0 - 25	908.3	62.64
25 - 30	212.6	14.66	0 - 30	1120.9	77.30
30 - 35	136.9	9.44	0 - 35	1257.8	86.74
35 - 40	64.7	4.46	0 - 40	1322.5	91.20
40 - 45	44.8	3.09	0 - 45	1367.2	94.29
45 - 50	29.9	2.06	0 - 50	1397.2	96.35
50 - 55	19.1	1.32	0 - 55	1416.3	97.67
55 - 60	12.9	0.89	0 - 60	1429.2	98.56
60 - 65	8.6	0.59	0 - 65	1437.8	99.15
65 - 70	5.5	0.38	0 - 70	1443.3	99.53
70 - 75	3.5	0.24	0 - 75	1446.8	99.77
75 - 80	2.1	0.15	0 - 80	1448.9	99.92
80 - 85	1.0	0.06	0 - 85	1449.8	99.98
85 - 90	0.2	0.02	0 - 90	1450.1	100.00

Average Illuminance Curve

Angle: 39.4°C. Flux out: 1354.0lm



PERFORMANCE SUMMARY SSL-CRLED8-18/40K SSL-CRLED8-18/50K

Efficiency	>81.658LPW	>83.809LPW
Rated Power	18.21W	18.279W
Delivered light output	1471.551 lumens	1531.952 lumens
Chip	CREE COB by Cree TrueWhite Technology	
CRI	Ra > 80	
CCT Options	3000K, 4000K, 5000K	
THD	<20%	
PF	>0.996	
Standard Warranty	5 Years	
Standard Lifetime	Designed minimum 50,000 hours	
Mounting	Recessed	
External driver	It ensures steady performance and long lifespan	
Driver Efficiency	>87%	
Temperature Rating	Designed to operate in temperatures 45°C and below room side and plenum side	
Certificate	UL, cUL Listed, Energy Star Listed, FCC 47 Part 15, LM79 Report	
Usage	Suitable for damp locations	

Luminous Intensity (CD) Distribution Data

C	0°C	45°C	90°C
0°C	2550	2550	2550
10°C	1953	1907	1904
20°C	1209	1165	1169
30°C	620	541	552
40°C	142	134	134
50°C	53	51	55
60°C	20	21	25
70°C	7	8	10
80°C	2	2	3
90°C	0	0	0



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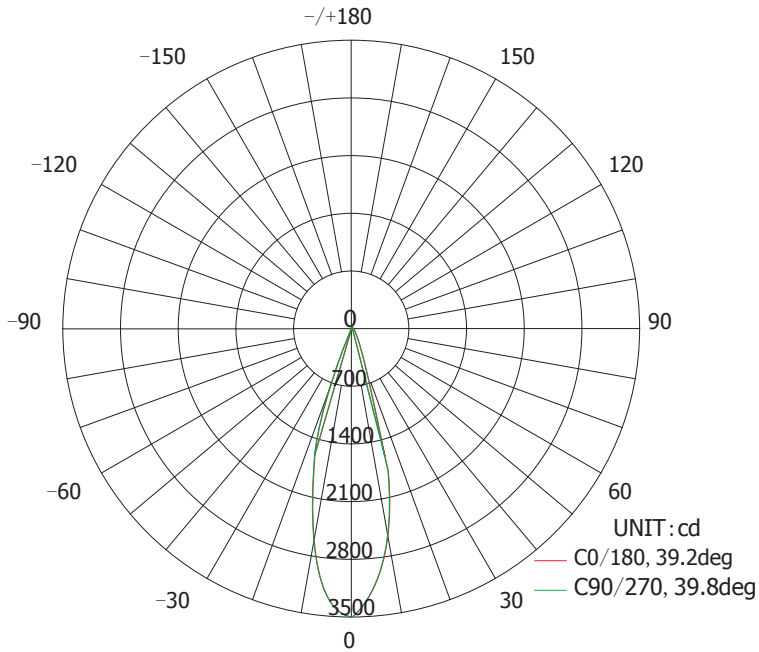


SSL-CRLED8-27/40K & 50K

Photometric

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Luminous Intensity Distribution Program

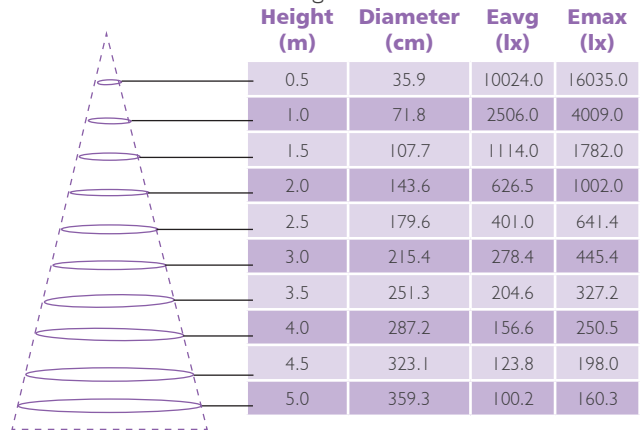


Zonal Lumen Density Measurement

Degree	Flux (lm)	%	Degree	Flux (lm)	%
0 - 5	92.5	4.13	0 - 5	92.5	4.13
5 - 10	245.3	10.97	0 - 10	337.8	15.10
10 - 15	335.6	15.01	0 - 15	673.4	30.11
15 - 20	369.5	16.52	0 - 20	1042.9	46.63
20 - 25	363.0	16.22	0 - 25	1405.9	62.85
25 - 30	327.6	14.65	0 - 30	1733.5	77.50
30 - 35	211.0	9.43	0 - 35	1944.5	86.93
35 - 40	96.8	4.33	0 - 40	2041.3	91.26
40 - 45	68.2	3.05	0 - 45	2109.5	94.31
45 - 50	45.7	2.04	0 - 50	2155.2	96.35
50 - 55	29.3	1.31	0 - 55	2184.5	97.66
55 - 60	20.0	0.89	0 - 60	2204.5	98.55
60 - 65	13.2	0.59	0 - 65	2217.7	99.14
65 - 70	8.6	0.39	0 - 70	2226.3	99.53
70 - 75	5.4	0.24	0 - 75	2231.7	99.77
75 - 80	3.2	0.14	0 - 80	2234.9	99.91
80 - 85	1.6	0.07	0 - 85	2236.5	99.98
85 - 90	0.4	0.02	0 - 90	2236.9	100.00

Average Illuminance Curve

Angle: 39.4°C. Flux out: 1354.0lm



	C0/180	C45/225	C90/270	C135/315	AVG.
Beam Angle (50% Imax)	39.1	38.9	40.0	40.1	39.53
Field Angle (10% Imax)	69.7	69.7	70.0	70.1	69.88

PERFORMANCE SUMMARY SSL-CRLED8-27/40K SSL-CRLED8-27/50K

Efficiency	>75.71 lLPW	>77.647LPW
Rated Power	28.158W	27.495W
Delivered light output	2131.865 lumens	2134.894 lumens
Chip	CREE COB by Cree TrueWhite Technology	
CRI	Ra > 80	
CCT Options	3000K, 4000K, 5000K	
THD	<20%	
PF	>0.997	>0.996
Standard Warranty	5 Years	
Standard Lifetime	Designed minimum 50,000 hours	
Mounting	Recessed	
External driver	It ensures steady performance and long lifespan	
Driver Efficiency	>87%	
Temperature Rating	Designed to operate in temperatures 45°C and below room side and plenum side	
Certificate	UL, cUL Listed, Energy Star Listed, FCC 47 Part 15, LM79 Report	
Usage	Suitable for damp locations	

Luminous Intensity (CD) Distribution Data

C	0°C	45°C	90°C
0°C	4003	4003	4003
10°C	3046	3024	3122
20°C	1884	1891	1968
30°C	1014	1008	1069
40°C	221	223	224
50°C	89	86	76
60°C	41	37	28
70°C	17	14	10
80°C	5	4	4
90°C	0	0	0



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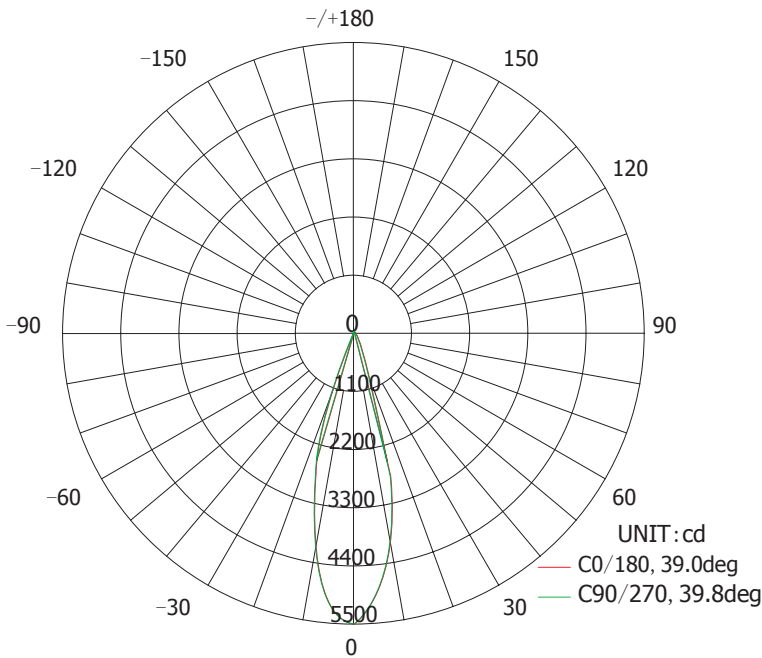


SSL-CRLED8-40/40K & 50K

Photometric

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Luminous Intensity Distribution Program

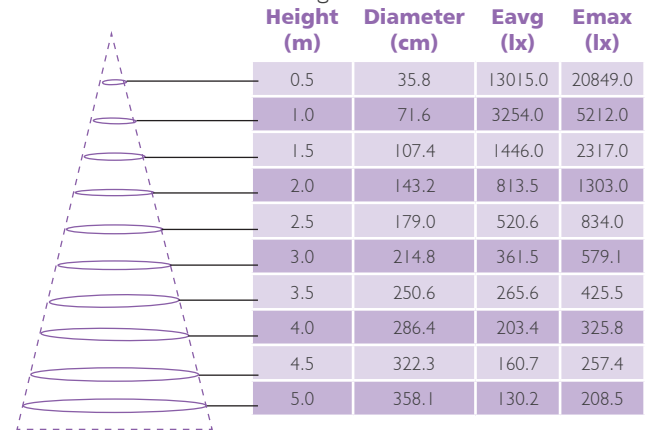


Zonal Lumen Density Measurement

Degree	Flux (lm)	%	Degree	Flux (lm)	%
0 - 5	120.2	4.16	0 - 5	120.2	4.16
5 - 10	318.8	11.02	0 - 10	439.0	15.18
10 - 15	435.8	15.07	0 - 15	874.8	30.25
15 - 20	479.4	16.58	0 - 20	1354.2	46.83
20 - 25	470.3	16.26	0 - 25	1824.5	63.09
25 - 30	423.9	14.66	0 - 30	2248.4	77.75
30 - 35	266.7	9.22	0 - 35	2515.1	86.97
35 - 40	125.1	4.33	0 - 40	2640.3	91.30
40 - 45	87.8	3.04	0 - 45	2728.1	94.34
45 - 50	58.9	2.03	0 - 50	2786.9	96.37
50 - 55	37.7	1.31	0 - 55	2824.6	97.68
55 - 60	25.7	0.88	0 - 60	2850.3	98.56
60 - 65	17.0	0.59	0 - 65	2867.3	99.15
65 - 70	11.0	0.38	0 - 70	2878.3	99.53
70 - 75	7.0	0.24	0 - 75	2885.2	99.77
75 - 80	4.1	0.15	0 - 80	2889.4	99.92
80 - 85	2.0	0.07	0 - 85	2891.4	99.99
85 - 90	0.4	0.01	0 - 90	2891.8	100.00

Average Illuminance Curve

Angle: 39.4°C. Flux out: 1354.0lm



	C0/180	C45/225	C90/270	C135/315	AVG.
Beam Angle (50% Imax)	39.0	38.7	39.8	39.9	39.35
Field Angle (10% Imax)	69.8	69.8	70.0	69.9	69.88

PERFORMANCE SUMMARY SSL-CRLED8-27/40K SSL-CRLED8-27/50K

Efficiency	>76.678LPW	>79.571LPW
Rated Power	40.225W	39.28W
Delivered light output	3084.354 lumens	3125.549 lumens
Chip	CREE COB by Cree TrueWhite Technology	
CRI	Ra > 80	
CCT Options	3000K, 4000K, 5000K	
THD	<20%	
PF	>0.997	>0.998
Standard Warranty	5 Years	
Standard Lifetime	Designed minimum 50,000 hours	
Mounting	Recessed	
External driver	It ensures steady performance and long lifespan	
Driver Efficiency	>87%	
Temperature Rating	Designed to operate in temperatures 45°C and below room side and plenum side	
Certificate	UL, cUL Listed, Energy Star Listed, FCC 47 Part 15, LM79 Report	
Usage	Suitable for damp locations	

Luminous Intensity (CD) Distribution Data

C	0°C	45°C	90°C
0°C	5206	5206	5206
10°C	3948	3923	4048
20°C	2439	2448	2546
30°C	1300	1288	1371
40°C	283	286	288
50°C	115	111	97
60°C	53	47	35
70°C	21	18	13
80°C	6	5	5
90°C	0	0	0



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