

SC6DR

6" SD LED Cylinder

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

ELECTRICAL DATA

LED Light Engine	System Wattage * @ 120V	CCT	Nominal Delivered Lumens **	Efficacy
L0	7W	3500K	750 lm	107 lm/W
L1	9W	3500K	1000 lm	111 lm/W
L2	13W	3500K	1500 lm	115 lm/W
L3	18W	3500K	2000 lm	111 lm/W
L4	22W	3500K	2500 lm	114 lm/W
L5	26W	3500K	3000 lm	115 lm/W
L6	32W	3500K	3500 lm	109 lm/W

* System Wattage include driver and LED Module consumption. / ** Delivered Lumens will vary depending on CCT, CRI and optic selection

WATTAGE / OPTICS

- 80/90 CRI at 2700K, 3000K, 3500K, 4000K with 2 SDCM
- 70% lumen maintenance at 50,000 hours
- 30° Narrow Flood, 50° Flood or 70° Wide Flood

ELECTRICAL SYSTEM

- Dedicated voltage options of 120V, 277V or 347V must be specified in catalog code.
- 347V available with Osram 0-10V 1% Dimming only
- Power factor >.9, 50/60Hz
- Max. ambient temperature: 95°F (35°C).

DIMMING

- Osram 0-10V 1% Dimming (Compatible with 347V)
- Phase Dimming 120V only, Forward 1% / Reverse 5%
- EldoLED SOL0drive 0-10V 0.1%
- EldoLED ECOdrive 0-10V 1%
- Lutron® LDE1 Hi-Lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology

MOUNTING

- Ceiling mount for direct installation to 3" and 4" octagon junction box
- 144" Aircraft cable is supplied with complete canopy assembly. Aircraft cable is cuttable and can be modified in the field
- Wall mount bracket for installation to 4" octagon or square junction box
- Pendant stems supplied with complete canopy assembly. Pendant stems are cuttable and can be modified in the field.

LISTING/WARRANTY

- ETL listed to US and Canadian standards for damp locations
- 5-Year Intense LED Limited Warranty
- ENERGY STAR® Qualified⁸



FINISHES

Cylinder housings are available in standard, powder coated finishes including white, black or silver. Cylinders feature optional high quality clear specular, haze or white reflector. Consult factory for custom finishes and additional reflector options.



Dimensions see Page 2

For EM options, please see: [SC6DRREM](#)

Example: SC6DRL4359-D101-NF-WW-P24

Cylinder	Wattage	CCT / CRI	Dimming	Voltage	Optic	Cylinder Finish	Reflector Finish	Mounting
SC6DR	L0 ¹ (7W)	27 (2700K / 80 CRI)	-D101 (Osram 0-10V 1%)	blank (Universal 120/277V)	-NF (30° NFI)	-W (White)	C (Clear)	-C144 (144" Aircraft Cable)
	L1 (9W)	279 (2700K / 90 CRI)	-DIM ^{2,3} (Phase Dimming)			-B (Black)	HZ (Haze)	-P12 (12" Pendant)
	L2 (13W)	30 (3000K / 80 CRI)	-ED10V1 (eldoLED 0-10V 1%)	34 ⁶ (347V)	-FL (50° FL)	-W (White)	-P24 (24" Pendant)	
	L3 (18W)	309 (3000K / 90 CRI)	-ED10V01 (eldoLED 0-10V 0.1%)		-WF (70° WFL)	-SV (Silver)	-W (White)	-P36 ⁷ (36" Pendant)
	L4 (22W)	35 (3500K / 80 CRI)	-LUT ⁴ (Lutron® LDE1 EcoSystem 1%)				-P48 (48" Pendant)	
	L5 (26W)	359 (3500K / 90 CRI)					-P96 ⁷ (96" Pendant)	
L6 (32W)	40 (4000K / 80 CRI)	-DMXR ⁵ (DMX512 RDM 0.1%)				-WB (Wall Bracket)		
		409 (4000K / 90 CRI)					-S (Surface)	

Notes:

- L0 only available with -D101
- Not available in L1 or L2 package
- Not available in 277V
- Lutron not available in L1
- DMX512 RDM not available in L1 & L2 and not available with pendant mount
- 347V only available with Osram 0-10V 1% Dimming
- Special order. Note: 96" pendant is made with (2) 48" pendants w/ coupler. 36" Pendant is made with (1) 12" & 24" w/ coupler
- ENERGY STAR® Qualified (0-10V & ELV only. Excludes CCT/CRI options 279, 309 & 359)

CYLINDERS-SS LUM-0922.23 P-5

INTENSE LIGHTING | 3340 E La Palma Ave, Anaheim, CA 92806 | tel 714 630-9877 | fax 714 630-9883

For Intense Lighting's limited product warranty, go to www.intenselight.com. For a printed copy of the warranty, you may call 800 961-5321.

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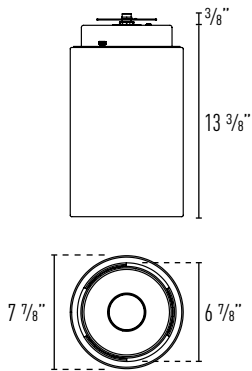
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LIGHTING

SC6DR

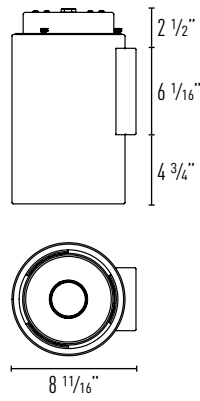
6" SD LED Cylinder

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

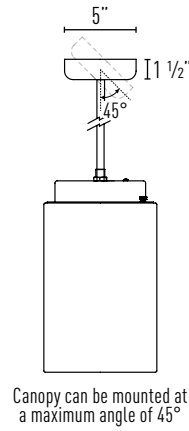
Surface Mount



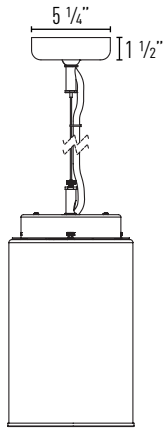
Wall Mount



Pendant Mount



Aircraft Cable



Electrical Table

Lumen Package	Voltage	Wattage	VA	Input Current	Power Factor
L0	120	6.23	6.79	0.06	0.918
	277	6.41	9.87	0.04	0.649
L1	120	8.55	9.17	0.08	0.93
	277	8.82	12.18	0.04	0.72
L2	120	12.51	13.15	0.11	0.95
	277	12.85	16.06	0.06	0.80
L3	120	17.07	17.34	0.14	0.98
	277	17.77	20.92	0.08	0.85
L4	120	21.54	21.84	0.18	0.99
	277	22.09	25.31	0.09	0.87
L5	120	25.98	26.24	0.22	0.99
	277	26.93	30.00	0.11	0.90
L6	120	31.56	31.64	0.26	1.00
	277	32.09	34.72	0.13	0.92

CYLINDERS-SS LUM-0922-23 P-6

SC6DR

6" SD LED Cylinder

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

SC6DRL1358-WC

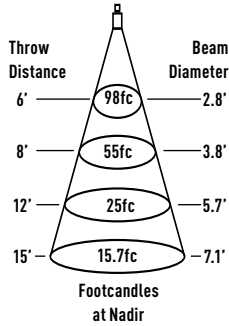
-NF (30° Narrow Flood)

CCT MULTIPLIERS:

	80 CRI	90 CRI
2700K	(x 0.92)	(x 0.79)
3000K	(x 0.98)	(x 0.79)
3500K	(x 1.00)	(x 0.82)
4000K	(x 1.01)	(x 0.84)

FINISH MULTIPLIERS

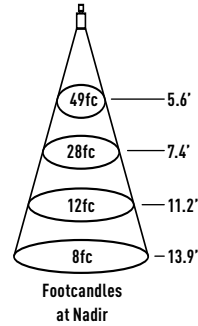
	30°	50°	70°
Clear	(x 1.00)	(x 1.00)	(x 1.00)
Haze	(x 0.96)	(x 0.96)	(x 0.88)
White	(x 0.96)	(x 0.97)	(x 0.90)



Watts: 9 LPW: 109.1
Lumens: 982 CCT: 3500K

Luminance	
Degree	CBCP
0°	3536
5°	3159
15°	1491
25°	449
35°	108
45°	5

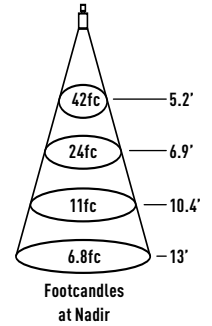
-FL (50° Flood)



Watts: 9 LPW: 118.9
Lumens: 1070 CCT: 3500K

Luminance	
Degree	CBCP
0°	1768
5°	1683
15°	1484
25°	879
35°	131
45°	6

-WF (70° Wide Flood)



Watts: 9 LPW: 113.1
Lumens: 1018 CCT: 3500K

Luminance	
Degree	CBCP
0°	1526
5°	1428
15°	1047
25°	707
35°	349
45°	45

SC6DRL2358-WC

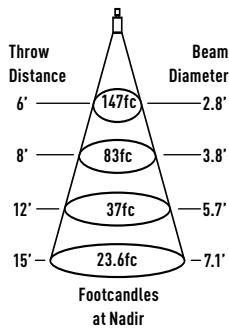
-NF (30° Narrow Flood)

CCT MULTIPLIERS:

	80 CRI	90 CRI
2700K	(x 0.92)	(x 0.79)
3000K	(x 0.98)	(x 0.79)
3500K	(x 1.00)	(x 0.82)
4000K	(x 1.01)	(x 0.84)

FINISH MULTIPLIERS

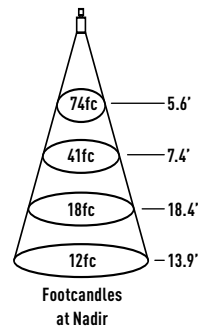
	30°	50°	70°
Clear	(x 1.00)	(x 1.00)	(x 1.00)
Haze	(x 0.96)	(x 0.96)	(x 0.88)
White	(x 0.96)	(x 0.97)	(x 0.90)



Watts: 13 LPW: 113.2
Lumens: 1472 CCT: 3500K

Luminance	
Degree	CBCP
0°	5305
5°	4739
15°	2237
25°	674
35°	162
45°	8

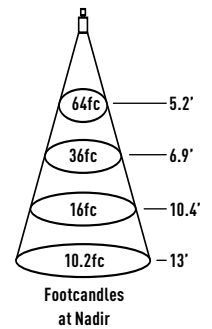
-FL (50° Flood)



Watts: 13 LPW: 123.4
Lumens: 1604 CCT: 3500K

Luminance	
Degree	CBCP
0°	2652
5°	2525
15°	2226
25°	1318
35°	196
45°	10

-WF (70° Wide Flood)



Watts: 13 LPW: 117.5
Lumens: 1528 CCT: 3500K

Luminance	
Degree	CBCP
0°	2288
5°	2142
15°	1571
25°	1061
35°	524
45°	67

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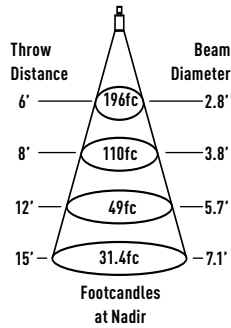
-NF (30° Narrow Flood)

CCT MULTIPLIERS:

	80 CRI	90 CRI
2700K	(x 0.92)	(x 0.79)
3000K	(x 0.98)	(x 0.79)
3500K	(x 1.00)	(x 0.82)
4000K	(x 1.01)	(x 0.84)

FINISH MULTIPLIERS

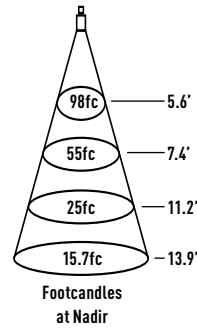
	30°	50°	70°
Clear	(x 1.00)	(x 1.00)	(x 1.00)
Haze	(x 0.96)	(x 0.96)	(x 0.88)
White	(x 0.96)	(x 0.97)	(x 0.90)



Watts: 18 LPW: 108.9
Lumens: 1960 CCT: 3500K

Luminance	
Degree	CBCP
0°	7060
5°	6308
15°	2978
25°	896
35°	215
45°	11

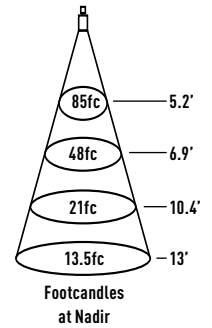
-FL (50° Flood)



Watts: 18 LPW: 118.7
Lumens: 2136 CCT: 3500K

Luminance	
Degree	CBCP
0°	3530
5°	3360
15°	2963
25°	1754
35°	262
45°	13

-WF (70° Wide Flood)



Watts: 18 LPW: 112.9
Lumens: 2033 CCT: 3500K

Luminance	
Degree	CBCP
0°	3046
5°	2850
15°	2090
25°	1412
35°	697
45°	89

SC6DRL4358-WC

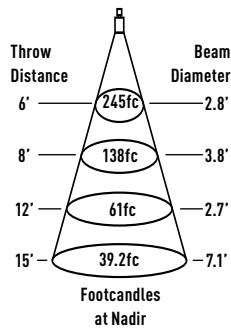
-NF (30° Narrow Flood)

CCT MULTIPLIERS:

	80 CRI	90 CRI
2700K	(x 0.92)	(x 0.79)
3000K	(x 0.98)	(x 0.79)
3500K	(x 1.00)	(x 0.82)
4000K	(x 1.01)	(x 0.84)

FINISH MULTIPLIERS

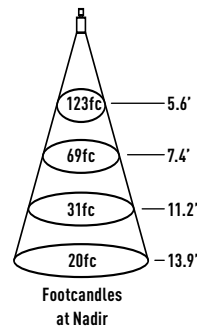
	30°	50°	70°
Clear	(x 1.00)	(x 1.00)	(x 1.00)
Haze	(x 0.96)	(x 0.96)	(x 0.88)
White	(x 0.96)	(x 0.97)	(x 0.90)



Watts: 22 LPW: 111.4
Lumens: 2450 CCT: 3500K

Luminance	
Degree	CBCP
0°	8829
5°	7888
15°	3724
25°	1121
35°	269
45°	13

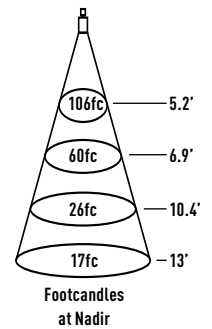
-FL (50° Flood)



Watts: 22 LPW: 121.4
Lumens: 2670 CCT: 3500K

Luminance	
Degree	CBCP
0°	4414
5°	4202
15°	3705
25°	2193
35°	327
45°	16

-WF (70° Wide Flood)



Watts: 22 LPW: 115.6
Lumens: 2543 CCT: 3500K

Luminance	
Degree	CBCP
0°	3808
5°	3564
15°	2614
25°	1766
35°	871
45°	112