

SD6DR / IC632

6" SD LED Lensed Downlight - Wet Location

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

ELECTRICAL DATA

LED Light Engine	System Wattage* @ 120V	CCT	Nominal Delivered Lumens**	Efficacy
L0	8W	3500K	675 lm	84 lm/W
L1	10W	3500K	900 lm	88 lm/W
L2	14W	3500K	1300 lm	94 lm/W
L3	19W	3500K	1800 lm	92 lm/W
L4	23W	3500K	2200 lm	95 lm/W
L5	28W	3500K	2600 lm	94 lm/W
L6	33W	3500K	3000 lm	93 lm/W
L7	38W	3500K	3500 lm	92 lm/W

*System Wattage includes driver and LED Module consumption. | **Delivered lumen output will vary depending on CCT selection.



LED MODULE/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.
- Phase dimming available in 120V only
- 347V available with Osram 0-10V 1% Dimming only

EMERGENCY BACKUP

Remote test switch included. External battery operates LED load of up to 7W at a minimum of 600 lumens for 90 minutes (EM7), or 20W at a minimum of 1700 lumens for 90 minutes (EM20).

REFLECTOR

Specification grade reflector with 1.2mm thickness. Reflector available in clear specular, haze or white. Architectural, discrete polished self flange standard. Optional painted white flange is available. Meets RP-1 requirements with controlled light distribution at a 50° cut off.

DIMMING

- 0-10V Dimming 1%
- Phase Dimming 120V only, Forward 1% / Reverse 5%
- EldoLED 0-10V 0.1% or 1%
- Lutron® LDE1 Hi-Lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology
- DMX512 RDM 0.1%

FRAME CONSTRUCTION

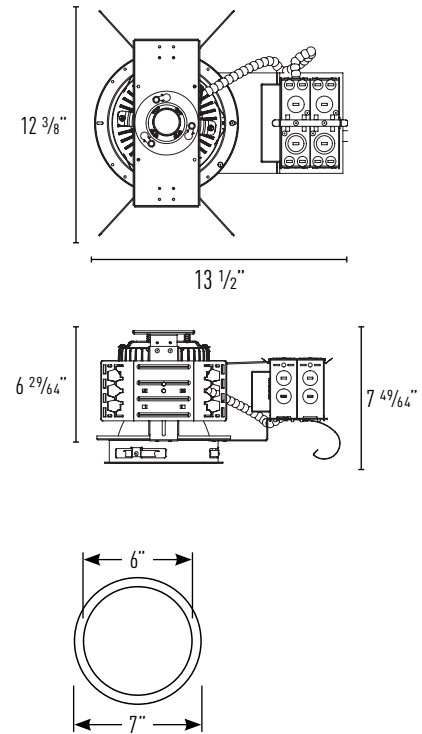
Heavy duty galvanized steel frame with a large access junction box. ETL listed for through wiring. LED light engine and driver are accessible from above or below ceiling.

INSTALLATION

The luminaire is type Non-IC. Insulation must be kept at a minimum of 3" away from fixture. Universal mounting brackets included. Compatible with C-channel, flat bar, wood joist bar hanger and EMT. Bar hangers must be ordered separately. C-channel is recommended for T-bar ceilings. Maximum ceiling thickness is 1 1/4". Max. ambient temperature: 95°F (35°C).

LISTING/WARRANTY

- ETL listed to US and Canadian standards for wet locations.
- 5-Year Intense LED Limited Warranty



Ceiling Cut Out: 6 1/2"
Maximum Ceiling Thickness: 1 1/4"

Housing Part Number (Example: SD6DRL4359-D101-NFEM7)

Housing	LED Module	CCT / CRI	Dimming	Voltage	Optic	Options
SD6DR	L0 ¹ (8W)	27 (2700K / 80 CRI)	-D101 (Osram 0-10V 1%)	blank (120V)	-NF (30°)	EM7 (7W Emergency Backup with Remote Test Switch)
	L1 (10W)	279 (2700K / 90 CRI)	-DIM ^{3,4} (Phase Dimming)	27 (277V)	-FL (50°)	EM20 ⁸ (20W Emergency Backup with Remote Test Switch)
	L2 (14W)	30 (3000K / 80 CRI)	-ED10V1 (eldoLED 0-10V 1%)	34 ⁷ (347V)	-WF (70°)	
	L3 (19W)	309 (3000K / 90 CRI)	-ED10V01 (eldoLED 0-10V 0.1%)			
	L4 (23W)	35 (3500K / 80 CRI)	-LUT ⁵ (Lutron® LDE1 EcoSystem 1%)			
	L5 (28W)	359 (3500K / 90 CRI)	-DMXR ⁶ (DMX512 RDM 0.1%)			
	L6 (33W)	40 (4000K / 80 CRI)				
L7 ² (38W)	409 (4000K / 90 CRI)					

Reflector Part Number (Example: IC632HZ-SF-CR)

Reflector	Reflector Finish	Trim	Lens Type
IC632	C (Clear)	-SF (Self Flanged)	-CR (Clear Tempered)
	HZ (Haze)	-SFW (Self Flanged White)	-SB (Sand Blasted)
	W (White)		

Accessories

- I100 (C-Channel Bar Hangers)
- I200 (Flat Bar Hangers)
- I400 (Wood Joist Bar Hangers)

Notes:

- L0 only available with -D101
- 347V Not available with L7 option
- Not available in L1 or L2
- Not available in 277V
- Lutron not available in L1 or L7
- DMX512 RDM not available in L1 or L2
- 347V only available with Osram 0-10V 1% Dimming
- 20W emergency not available in L1, L2 or L3

SS-DOWNLIGHTING L/M-841.26 P-29

INTENSE LIGHTING | 3725 Landwehr Road, Northbrook, IL 60062 | tel 714 630-9877

For Intense Lighting's limited product warranty, go to www.intenselighting.com. For a printed copy of the warranty, you may call 714 630-9877.

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JOB NAME		CATALOG NUMBER	
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Electrical Table					
Lumen Package	Voltage	Wattage	VA	Input Current	Power Factor
L0	120	7.43	7.99	0.07	0.930
	277	8.41	11.87	0.04	0.709
L1	120	9.75	10.37	0.09	0.94
	277	10.82	14.18	0.05	0.76
L2	120	13.71	14.35	0.12	0.96
	277	14.85	18.06	0.07	0.82
L3	120	18.27	18.54	0.15	0.99
	277	19.77	22.92	0.08	0.86
L4	120	22.74	23.04	0.19	0.99
	277	24.09	27.31	0.10	0.88
L5	120	27.18	27.44	0.23	0.99
	277	28.93	32.00	0.12	0.90
L6	120	32.76	32.84	0.27	1.00
	277	34.09	36.72	0.13	0.93
L7	120	37.71	37.79	0.31	1.00
	277	38.86	41.77	0.15	0.93

SD6DR / IC632

6" SD LED Lensed Downlight - Wet Location

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

SD6DRL1358 IC632C

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)

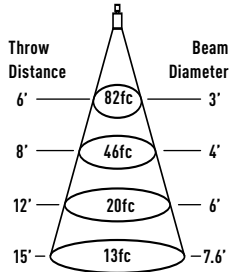
FINISH MULTIPLIERS

	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)

LENS MULTIPLIERS

	30°	50°	70°
CR	(x 1.00)	(x 1.00)	(x 1.00)
SB	(x 0.92)	(x 0.92)	(x 0.93)

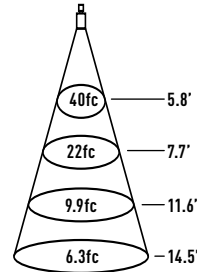
-NF (30° Narrow Flood)



Footcandles at Nadir
Watts: 10 **LPW: 88.3**
Lumens: 883 **CCT: 3500K**

Luminance	
Degree	CBCP
0°	2936
5°	2708
15°	1342
25°	392
35°	96
45°	14

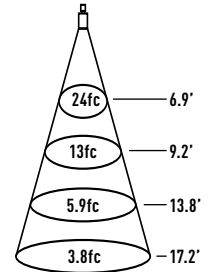
-FL (50° Flood)



Footcandles at Nadir
Watts: 10 **LPW: 96**
Lumens: 960 **CCT: 3500K**

Luminance	
Degree	CBCP
0°	1422
5°	1407
15°	1320
25°	773
35°	123
45°	16

-WF (70° Wide Flood)



Footcandles at Nadir
Watts: 10 **LPW: 78.7**
Lumens: 787 **CCT: 3500K**

Luminance	
Degree	CBCP
0°	847
5°	831
15°	719
25°	528
35°	276
45°	61

SD6DRL2358 IC632C

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)

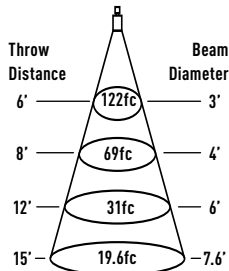
FINISH MULTIPLIERS

	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)

LENS MULTIPLIERS

	30°	50°	70°
CR	(x 1.00)	(x 1.00)	(x 1.00)
SB	(x 0.92)	(x 0.92)	(x 0.93)

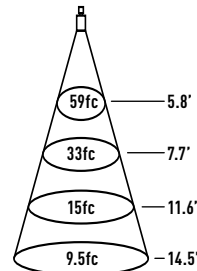
-NF (30° Narrow Flood)



Footcandles at Nadir
Watts: 14 **LPW: 94.6**
Lumens: 1324 **CCT: 3500K**

Luminance	
Degree	CBCP
0°	4405
5°	4062
15°	2013
25°	588
35°	145
45°	21

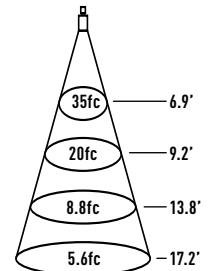
-FL (50° Flood)



Footcandles at Nadir
Watts: 14 **LPW: 102.9**
Lumens: 1440 **CCT: 3500K**

Luminance	
Degree	CBCP
0°	2133
5°	2111
15°	1980
25°	1160
35°	184
45°	23

-WF (70° Wide Flood)



Footcandles at Nadir
Watts: 14 **LPW: 84.4**
Lumens: 1181 **CCT: 3500K**

Luminance	
Degree	CBCP
0°	1271
5°	1246
15°	1078
25°	792
35°	414
45°	91

SD6DR / IC632

6" SD LED Lensed Downlight - Wet Location

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

SD6DRL3358 IC632C

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)

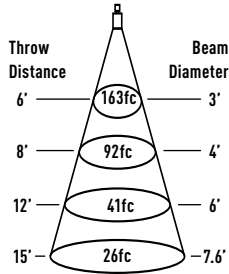
FINISH MULTIPLIERS

	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)

LENS MULTIPLIERS

	30°	50°	70°
CR	(x 1.00)	(x 1.00)	(x 1.00)
SB	(x 0.92)	(x 0.92)	(x 0.93)

-NF (30° Narrow Flood)

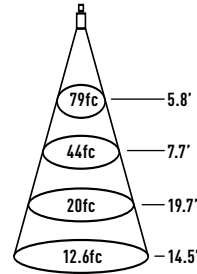


Footcandles at Nadir

Watts: 19 LPW: 92.7
Lumens: 1762 CCT: 3500K

Luminance	
Degree	CBCP
0°	5862
5°	5406
15°	2679
25°	783
35°	192
45°	29

-FL (50° Flood)

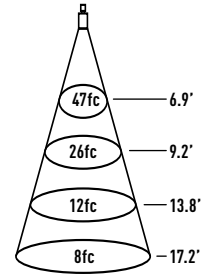


Footcandles at Nadir

Watts: 19 LPW: 100.8
Lumens: 1916 CCT: 3500K

Luminance	
Degree	CBCP
0°	2839
5°	2810
15°	2636
25°	1544
35°	245
45°	31

-WF (70° Wide Flood)



Footcandles at Nadir

Watts: 19 LPW: 82.7
Lumens: 1571 CCT: 3500K

Luminance	
Degree	CBCP
0°	1692
5°	1658
15°	1435
25°	1055
35°	552
45°	121

SD6DRL4358 IC632C

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)

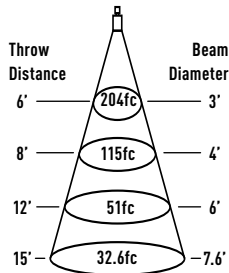
FINISH MULTIPLIERS

	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)

LENS MULTIPLIERS

	30°	50°	70°
CR	(x 1.00)	(x 1.00)	(x 1.00)
SB	(x 0.92)	(x 0.92)	(x 0.93)

-NF (30° Narrow Flood)

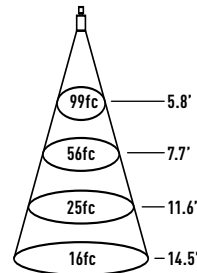


Footcandles at Nadir

Watts: 23 LPW: 96
Lumens: 2203 CCT: 3500K

Luminance	
Degree	CBCP
0°	7331
5°	6760
15°	3350
25°	979
35°	241
45°	36

-FL (50° Flood)

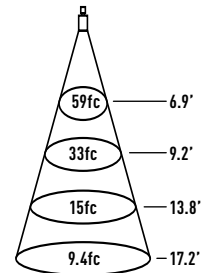


Footcandles at Nadir

Watts: 23 LPW: 96
Lumens: 2396 CCT: 3500K

Luminance	
Degree	CBCP
0°	3550
5°	3514
15°	3296
25°	1931
35°	307
45°	39

-WF (70° Wide Flood)



Footcandles at Nadir

Watts: 23 LPW: 96
Lumens: 1965 CCT: 3500K

Luminance	
Degree	CBCP
0°	2116
5°	2073
15°	1794
25°	1319
35°	690
45°	151