

# SD4DR / IC430

4" SD LED Downlight

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

## ELECTRICAL DATA

LED Light Engine	System Wattage * @ 120V	CCT	Nominal Delivered Lumens **	Efficacy
L0	8W	3500K	750 lm	94 lm/W
L1	10W	3500K	1000 lm	103 lm/W
L2	14W	3500K	1500 lm	110 lm/W
L3	19W	3500K	2000 lm	108 lm/W
L4	23W	3500K	2500 lm	111 lm/W
L5	28W	3500K	3000 lm	110 lm/W
L6	33W	3500K	3500 lm	109 lm/W
L7	38W	3500K	4000 lm	108 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

## REFLECTOR

Specification grade reflector with 1.2mm thickness. 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).

## EMERGENCY BACKUP

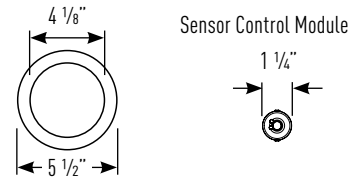
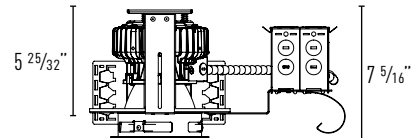
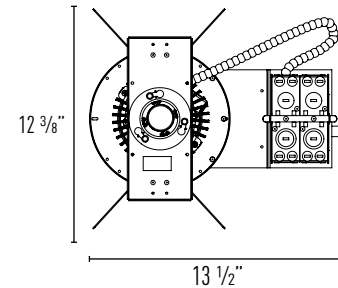
External battery operates LED load of up to 7W at a minimum of 800 lumens for 90 minutes (EM7), or 20W at a minimum of 2300 lumens for 90 minutes (EM20). Available with remote or integral test switch, must specify.

## intellect™

- Integrated control system provides occupancy and light level detection, and controls the load directly by the power control module Integrated intelligent fixture controls
- Visit Leviton [intellect™](#) for more info

## LISTING/WARRANTY

- ETL listed to US and Canadian standards for damp locations.
- 5-Year Intense LED Limited Warranty
- ENERGY STAR® Qualified<sup>10</sup>



Ceiling Cut Out: 4 3/4"  
Maximum Ceiling Thickness: 1 1/4"

Housing Part Number (Example: SD4DRL130-D101-NF)

Housing	LED Module	CCT / CRI	Dimming	Voltage	Optic	Options
SD4DR	L0 <sup>1</sup> (8W)	27 (2700K / 80 CRI)	-D101 (Osram 0-10V 1%)	blank (120V)	-NF (30°)	EM7 (7W Emergency Backup w/ Remote Test Switch <a href="#">IOTA part #ILB-CP07-A</a> )
	L1 (10W)	279 (2700K / 90 CRI)	-IE <sup>3</sup> (Intellect Wireless 1%)	27 (277V)	-FL (50°)	EM7T (7W Emergency Unit w/ Integral Test Switch <a href="#">IOTA part #ILB-CP07-R</a> )
	L2 (14W)	30 (3000K / 80 CRI)	-DIM <sup>4,5</sup> (Phase Dimming)	34 <sup>8</sup> (347V)	-WF (70°)	EM20 <sup>9</sup> (20W Emergency Backup w/ Remote Test Switch <a href="#">IOTA ILB-CP20-HE-S</a> )
	L3 (19W)	309 (3000K / 90 CRI)	-ED10V1 (eldoLED 0-10V 1%)			
	L4 (23W)	35 (3500K / 80 CRI)	-ED10V01 (eldoLED 0-10V 0.1%)			
	L5 (28W)	359 (3500K / 90 CRI)	-LUT <sup>6</sup> (Lutron® LDE1 EcoSystem 1%)			
	L6 (33W)	40 (4000K / 80 CRI)	-DMXR <sup>7</sup> (DMX512 RDM 0.1%)			
	L7 <sup>2</sup> (38W)	409 (4000K / 90 CRI)				

Reflector Part Number (Example: IC430HF-SF)

Reflector	Reflector / Flange Finish	Option
IC430	C-SF (Clear, Self-Flanged)	W-SF (White, Self-Flanged)
	C-SFW (Clear, Self-Flanged White)	B-SF (Black, Self-Flanged)
	HZ-SF (Haze, Self-Flanged)	EM7T (Integral Test Switch)
	HZ-SFW (Haze, Self-Flanged 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
- Intellect not available with eldoLED, Lutron, Dali or DMX Dimming (Integrated intellect control system includes sensor and power pack. Keypad Room Controller must be specified separately)
- Not available in L1, L2 or L7
- Not available in 277V
- Lutron not available in L1 & L7
- DMX512 RDM not available in L1 & L2
- 347V only available with Osram 0-10V 1% Dimming
- 20W emergency not available in L1, L2 & L3
- ENERGY STAR® Qualified (0-10V & ELV only. Excludes CCT/CRI options 279, 309 & 359)

SS-DOWNLIGHTING LUM-092123 P-1

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.intenselighting.com](#). For a printed copy of the warranty, you may call 800 961-5321.

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intense<sup>®</sup> | a LEVITON<sup>®</sup> company

# SD4DR / IC430

4" SD LED Downlight

<b>JOB NAME</b>		<b>CATALOG NUMBER</b>	
<b>NOTES</b>		<b>TYPE</b>	

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

# SD4DR / IC430

4" SD LED Downlight

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

## SD4DRL135 IC430C

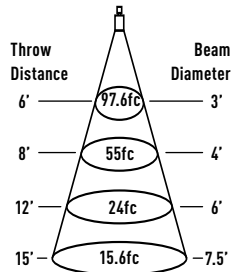
### CCT MULTIPLIERS:

	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°	60°
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)

### -NF (30° Narrow Flood)



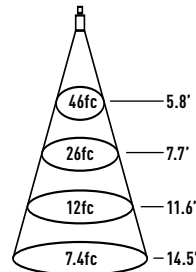
Footcandles at Nadir

Watts: 10      LPW: 100.8  
Lumens: 1008      CCT: 3500K

### Luminance

Degree	CBCP
0°	3513
5°	3123
15°	1580
25°	485
35°	88
45°	5

### -FL (50° Flood)



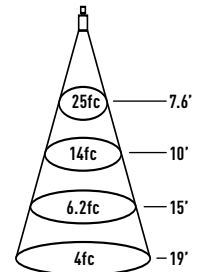
Footcandles at Nadir

Watts: 10      LPW: 107.7  
Lumens: 1077      CCT: 3500K

### Luminance

Degree	CBCP
0°	1665
5°	1653
15°	1546
25°	915
35°	105
45°	5

### -WF (70° Wide Flood)



Footcandles at Nadir

Watts: 10      LPW: 99.4  
Lumens: 994      CCT: 3500K

### Luminance

Degree	CBCP
0°	899
5°	984
15°	1084
25°	789
35°	320
45°	36

## SD4DRL235 IC430C

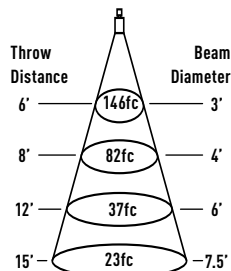
### CCT MULTIPLIERS:

	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)

### -NF (30° Narrow Flood)



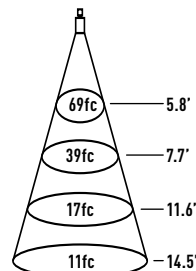
Footcandles at Nadir

Watts: 14      LPW: 107.9  
Lumens: 1511      CCT: 3500K

### Luminance

Degree	CBCP
0°	5269
5°	4684
15°	2370
25°	727
35°	132
45°	7

### -FL (50° Flood)



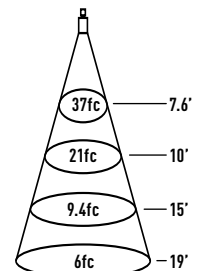
Footcandles at Nadir

Watts: 14      LPW: 115.4  
Lumens: 1616      CCT: 3500K

### Luminance

Degree	CBCP
0°	2498
5°	2480
15°	2320
25°	1372
35°	158
45°	8

### -WF (70° Wide Flood)



Footcandles at Nadir

Watts: 14      LPW: 106.5  
Lumens: 1491      CCT: 3500K

### Luminance

Degree	CBCP
0°	1348
5°	1477
15°	1625
25°	1183
35°	480
45°	54

# SD4DR / IC430

4" SD LED Downlight

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

## SD4DRL335 IC430C

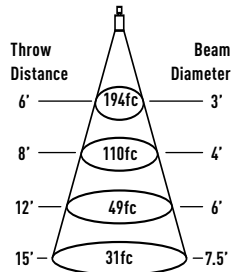
### CCT MULTIPLIERS:

	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)

### -NF (30° Narrow Flood)



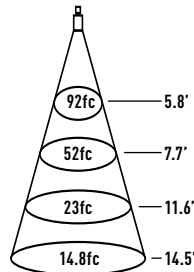
Footcandles at Nadir

Watts: 19    LPW: 105.89  
Lumens: 2012    CCT: 3500K

### Luminance

Degree	CBCP
0°	7014
5°	6234
15°	3155
25°	968
35°	176
45°	9

### -FL (50° Flood)



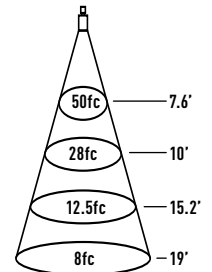
Footcandles at Nadir

Watts: 19    LPW: 113.2  
Lumens: 2151    CCT: 3500K

### Luminance

Degree	CBCP
0°	3324
5°	3300
15°	3087
25°	1826
35°	210
45°	11

### -WF (70° Wide Flood)



Footcandles at Nadir

Watts: 19    LPW: 104.5  
Lumens: 1985    CCT: 3500K

### Luminance

Degree	CBCP
0°	1794
5°	1965
15°	2164
25°	1575
35°	639
45°	72

## SD4DRL435 IC430C

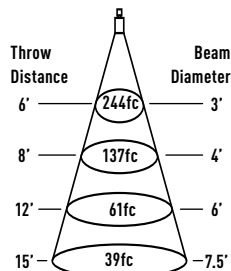
### CCT MULTIPLIERS:

	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)

### -NF (30° Narrow Flood)



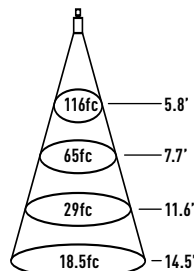
Footcandles at Nadir

Watts: 23    LPW: 109.3  
Lumens: 2515    CCT: 3500K

### Luminance

Degree	CBCP
0°	8770
5°	7795
15°	3945
25°	1210
35°	220
45°	12

### -FL (50° Flood)



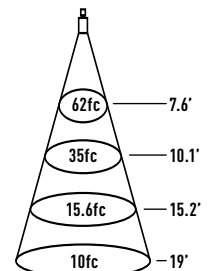
Footcandles at Nadir

Watts: 23    LPW: 116.9  
Lumens: 2690    CCT: 3500K

### Luminance

Degree	CBCP
0°	4157
5°	4127
15°	3861
25°	2283
35°	263
45°	13

### -WF (70° Wide Flood)



Footcandles at Nadir

Watts: 23    LPW: 107.9  
Lumens: 2482    CCT: 3500K

### Luminance

Degree	CBCP
0°	2243
5°	2458
15°	2705
25°	1969
35°	799
45°	90