

SS8G4DRR / IC830

8" SS LED Remodel Downlight Gen 4

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

ELECTRICAL DATA

LED Light Engine	System Wattage *		CCT	Nominal Delivered Lumens **
	120-277V	347V		
L1	9W	9.7W	3500K	1000lm
L2	13W	14.5W	3500K	1500lm
L3	17W	19.5W	3500K	2000lm

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

LED MODULE

- Powered by OSRAM high performance LED engine
- 50,000 hours at 70% lumen maintenance
- 80 CRI at 2700K, 3000K, 3500K, 4000K

ELECTRICAL SYSTEM

- Universal voltage 120-277V when specified with Osram 0-10V 1% or Intellect options only
- eldoLED, Lutron and DMX Dimming must specify voltage
- Phase dimming available in 120V only
- 347V available with Osram 0-10V 1% Dimming only
- Power factor >.9, 50/60Hz

DIMMING

- 0-10V Dimming 1%
- Forward/Reverse Phase Dimming 1% (120V only)
- EldoLED 0-10V 0.1% or 1%
- Lutron® LDE1 Hi-Lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology
- Lutron® LDE5 5-Series EcoSystem LED driver
- DMX512 RDM 0.1%

OPTICAL SYSTEM

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 55° cut off.

INSTALLATION

Three high tensions springs secure fixture into ceiling with up to 5/8" thickness.

Intellect™

- Listed on the DesignLights Consortium (DLC) Qualified Product List (QPL) for Networked Lighting Control systems
- Integrated control system provides occupancy and light level detection, and controls the load directly by the power control module
- Integrated intelligent fixture controls
- Only hot and neutral power required at all devices, no need for control wires
- 12' ceiling height maximum
- 24" cable provided for connection between sensor and power control module
- Keypad room controller must be specified separately
- Visit Leviton [Intellect™](#) for more information

FRAME CONSTRUCTION

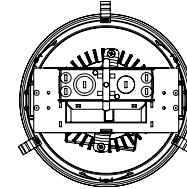
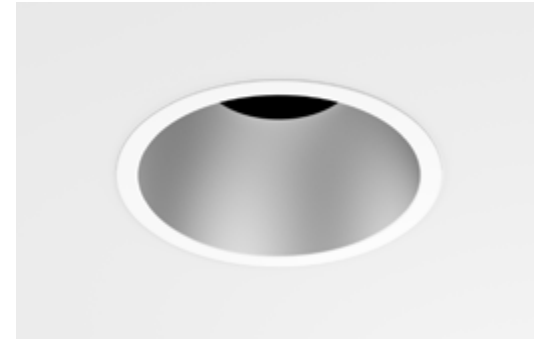
Heavy duty galvanized steel frame with a large access junction box. ETL listed for through wiring. LED light engine and driver are accessible from above or below ceiling.

LISTING/WARRANTY

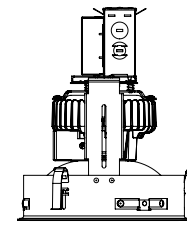
- ETL listed to US and Canadian standards for damp locations.
- 5-Year Intense LED Limited Warranty



Intellect™

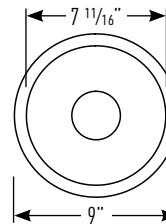


8 5/16"



11 9/16"

9"



Sensor Control Module

1 1/4"



Ceiling Cut Out: 8"
Maximum Ceiling Thickness: 1 1/4"

Housing Part Number (Example: SS8G4DRRL3358)

Housing	LED Module	CCT / CRI	Dimming	Voltage
SS8G4DRR	L1 (9 Watts)	278 (2700K / 80 CRI)	blank (Osram 0-10V 1%)	blank (Universal 120/277V)
	L2 (13 Watts)	308 (3000K / 80 CRI)	-IE ¹ (Intellect Wireless 1%)	34 ⁴ (347V)
	L3 (17 Watts)	358 (3500K / 80 CRI)	▼ Not available with universal voltage, must specify blank (120V) or 27 (277V) ▼	
		408 (4000K / 80 CRI)	-DIM ^{2,3} (Phase Dimming)	blank (120V)
		-ED10V1 (eldoLED 0-10V 1%)	27 (277V)	
		-ED10V01 (eldoLED 0-10V 0.1%)		
		-LUT ⁴ (Lutron® LDE1 EcoSystem 1%)		
		-LUT5 ⁴ (Lutron® LDE5 EcoSystem 5%)		
		-DMXR ⁵ (DMX512 RDM 0.1%)		

Reflector Part Number (Example: IC830HZ-SF)

Reflector	Reflector Finish	Trim
IC830	C (Clear)	-SF (Self Flanged)
	HZ (Haze)	-SFW (Self Flanged White)
	W (White)	

Notes:

- 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
- Not available in 277V
- Lutron not available in L1
- DMX512 RDM not available in L1 & L2
- 347V only available with Osram 0-10V 1% Dimming

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JOB NAME		CATALOG NUMBER	
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SS8G4DRRL1358 / IC830C

Test #: ILL-20170223-10.008
 Lumens: 1011.8lm
 Watts: 8.6W
 Efficacy: 117 lm/w

Distance to Floor (Feet)	Footcandles at Nadir	Beam Diameter (Feet)
6'	33fc	5' 3"
8'	18.5fc	7' 1"
10'	11.9fc	8' 9"
12'	8.2fc	10' 7"

Candela Distribution

Angle	Candela
0°	1187
5°	1159
15°	950
25°	557
35°	424
45°	139

Zonal Lumen Summary

Zone	Lumens	%Fixture
0-30	631	62
0-40	888	88
0-60	1,007	100
60-90	5	.5
0-90	1,012	100

L1 LED Module - CCT Multipliers:

2700K (x 1.00), 3000K (x 1.00), 3500K (x 1.00), 4000K (x 1.08)

SS8G4DRRL2358 / IC830C

Test #: ILL-20170223-10.009
 Lumens: 1519.8lm
 Watts: 12.8W
 Efficacy: 118 lm/w

Distance to Floor (Feet)	Footcandles at Nadir	Beam Diameter (Feet)
6'	49.5fc	5' 3"
8'	27.8fc	7' 1"
10'	17.8fc	8' 9"
12'	12.4fc	10' 7"

Candela Distribution

Angle	Candela
0°	1782
5°	1741
15°	1426
25°	837
35°	637
45°	210

Zonal Lumen Summary

Zone	Lumens	%Fixture
0-30	948	62
0-40	1,334	88
0-60	1,513	100
60-90	7	.5
0-90	1,520	100

L2 LED Module - CCT Multipliers:

2700K (x 0.95), 3000K (x 0.97), 3500K (x 1.00), 4000K (x 1.03)

SS8G4DRRL3358 / IC830C

Test #: ILL-20170223-10.010
 Lumens: 2023.6lm
 Watts: 17.2W
 Efficacy: 117 lm/w

Distance to Floor (Feet)	Footcandles at Nadir	Beam Diameter (Feet)
6'	65.9fc	5' 3"
8'	37.1fc	7' 1"
10'	23.7fc	8' 9"
12'	16.5fc	10' 7"

Candela Distribution

Angle	Candela
0°	2373
5°	2319
15°	1899
25°	1114
35°	847
45°	279

Zonal Lumen Summary

Zone	Lumens	%Fixture
0-30	1,262	62
0-40	1,776	88
0-60	2,014	100
60-90	10	.5
0-90	2,024	100

L3 LED Module - CCT Multipliers:

2700K (x 0.97), 3000K (x 0.97), 3500K (x 1.00), 4000K (x 1.03)