

# SS4G3DR / IC432

## 4" SS LED Lensed Downlight Gen 3 - Wet Location

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

ELECTRICAL DATA			
LED Light Engine	System Wattage *	CCT	Nominal Delivered Lumens **
L1	13W	3500K	650lm
L2	16W	3500K	1000lm
L3	21W	3500K	1300lm
L4	26W	3500K	1600lm
L5	32W	3500K	2000lm
L6	42W	3500K	2600lm

\* System Wattage include driver and LED Module consumption.

\*\* Delivered lumen output will vary depending on CCT selection.

### LED MODULE

- Powered by OSRAM PrevaLED® Cube LED Module
- 50,000 hours at 70% lumen maintenance
- No heat, mercury or UV
- Available in 1100, 1500, 2000, 2500, 3000lm and 4000lm
- 80 CRI & 2700K, 3000K, 3500K, 4000K

### ELECTRICAL SYSTEM

- Universal voltage 120-277V (347V available, consult factory)
- Osram Optotronic® standard with 0-10V dimming to 1%
- Power factor >.9, 50/60Hz
- Multiple dimming options available

### 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. Reflector is available with clear tempered or sand blasted lens, must specify.

### 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

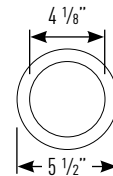
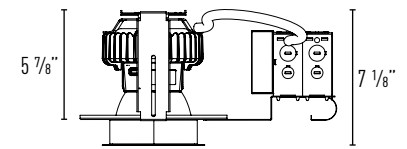
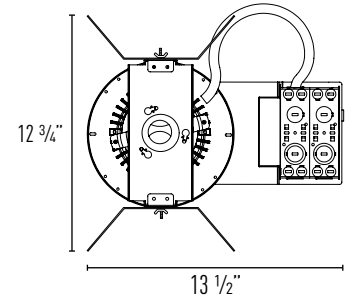
The luminaire is type Non-IC. Insulation must be kept at a minimum of 3" away from fixture. Universal mounting brackets included. Compatible with C-channel, flat bar, wood joist bar hanger and EMT. Bar hangers must be ordered separately. C-channel is recommended for T-bar ceilings. Maximum ceiling thickness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

### EMERGENCY BACKUP

Remote test switch included. External battery operates LED load of up to 7W at a minimum of 350 lumens for 90 minutes (EM7), or 20W at a minimum of 1250 lumens for 90 minutes (EM20).

### LISTING/WARRANTY

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



Ceiling Cut Out: 4 3/8"  
Maximum Ceiling Thickness: 1 1/4"

Frame-In Example: SS4G3DRL4358

Frame-In	LED Module	CCT / CRI	Dimming (120-277V)	Accessories
<b>SS4G3DR</b>	L1 <sup>1,2</sup> (13 Watts)	<b>278</b> (2700K / 80 CRI)	blank (0-10V Dimming 1%)	<b>EM7</b> (7W Emergency Backup w/ Remote Test Switch <a href="#">IOTA part #ILB-CP07-A</a> )
	L2 <sup>1,2</sup> (16 Watts)	<b>308</b> (3000K / 80 CRI)	<b>-ED10V1</b> (eldoLED 0-10V 1%)	<b>EM20</b> <sup>3</sup> (20W Emergency Backup w/ Remote Test Switch <a href="#">Bodine part #BSL20LV</a> )
	L3 <sup>3</sup> (21 Watts)	<b>358</b> (3500K / 80 CRI)	<b>-ED10V01</b> (eldoLED 0-10V 0.1%)	<b>1100</b> (C-Channel Bar Hangers)
	L4 (26 Watts)	<b>408</b> (4000K / 80 CRI)	<b>-LUT</b> (Lutron EcoSystem 1%)	<b>1200</b> (Flat Bar Hangers)
	L5 (32 Watts)		<b>-LUT5</b> <sup>1</sup> (Lutron EcoSystem 5%)	<b>1400</b> (Wood Joist Bar Hangers)
	L6 (42 Watts)		<b>-LUT1</b> (Lutron Hi-Lume 1%)	
		<b>-EDAL11</b> (eldoLED DALI 1%)		
		<b>-EDAL101</b> (eldoLED DALI 0.1%)		
		<b>-DMXR</b> <sup>2</sup> (DMX512 RDM 0.1%)		

Reflector Example: IC432HZ-SF-CR

Reflector	Reflector Finish	Trim	Lens Type
<b>IC432</b>	<b>C</b> (Clear)	<b>-SF</b> (Self Flanged)	<b>-CR</b> (Clear Tempered)
	<b>HZ</b> (Haze)	<b>-SFW</b> (Self Flanged White)	<b>-SB</b> (Sand Blasted)
	<b>W</b> (White)		

- Notes:
1. Lutron EcoSystem 5% not available in L2 & L6 LED module
  2. DMX512 RDM not available in L1 & L2 LED module
  3. 20W emergency not available in L1, L2 & L3 LED module

SS LUM-033117 P-4

### Intense Lighting

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JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

## SS4G3DRL1358 / IC432C-CR

Test Number: ILL-20170227-03  
 Lumens: 667lm  
 Watts: 13W  
 Efficacy: 51 lm/w  
 Spacing Criteria: 0.74 (0-180°)  
 0.74 (90-270°)

Distance to Floor (Feet)	Footcandles at Nadir	Beam Diameter (Feet)
6'	24.4fc	5' 2"
7'	17.9fc	6'
8'	13.7fc	6' 11"
9'	10.9fc	7' 10"
10'	8.8fc	8' 7"
11'	7.3fc	9' 6"
12'	6.1fc	10' 4"

**Emergency Multiplier:**

7W Emergency (x 0.54)  
 20W Emergency (N/A)

Candela Distribution		Zonal Lumen Summary		
Angle	Candela	Zone	Lumens	%Fixture
0°	879	0-30	448	67
5°	860	0-40	566	85
15°	689	0-60	648	97
25°	403	0-90	667	100
35°	207	40-70	99	15
45°	67	60-80	19	78
		90-180	0	0
		0-180	667	100

**L1 LED Module - CCT Multipliers:**

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

## SS4G3DRL2358 / IC432C-CR

Test Number: ILL-20170227-03  
 Lumens: 1002lm  
 Watts: 15.7W  
 Efficacy: 64 lm/w  
 Spacing Criteria: 0.74 (0-180°)  
 0.74 (90-270°)

Distance to Floor (Feet)	Footcandles at Nadir	Beam Diameter (Feet)
6'	36.7fc	5' 2"
7'	27fc	6'
8'	20.6fc	6' 11"
9'	16.3fc	7' 10"
10'	13.2fc	8' 7"
11'	10.9fc	9' 6"
12'	9.2fc	10' 4"

**Emergency Multiplier:**

7W Emergency (x 0.45)  
 20W Emergency (N/A)

Candela Distribution		Zonal Lumen Summary		
Angle	Candela	Zone	Lumens	%Fixture
0°	1321	0-30	673	67
5°	1292	0-40	850	85
15°	1035	0-60	974	97
25°	605	0-90	1002	100
35°	311	40-70	148	15
45°	100	60-80	28	78
		90-180	0	0
		0-180	1002	100

**L2 LED Module - CCT Multipliers:**

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

## SS4G3DRL3358 / IC432C-CR

Test Number: ILL-20170227-03  
 Lumens: 1334lm  
 Watts: 20.6W  
 Efficacy: 65 lm/w  
 Spacing Criteria: 0.74 (0-180°)  
 0.74 (90-270°)

Distance to Floor (Feet)	Footcandles at Nadir	Beam Diameter (Feet)
6'	48.9fc	5' 2"
7'	35.9fc	6'
8'	27.5fc	6' 11"
9'	21.7fc	7' 10"
10'	17.6fc	8' 7"
11'	14.5fc	9' 6"
12'	12.2fc	10' 4"

**Emergency Multiplier:**

7W Emergency (x 0.34)  
 20W Emergency (N/A)

Candela Distribution		Zonal Lumen Summary		
Angle	Candela	Zone	Lumens	%Fixture
0°	1759	0-30	896	67.2
5°	1720	0-40	1132	84.8
15°	1378	0-60	1297	97.2
25°	805	0-90	1335	100
35°	414	40-70	197	14.8
45°	133	60-80	38	2.8
		90-180	0	0
		0-180	1335	100

**L3 LED Module - CCT Multipliers:**

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

## SS4G3DRL4358 / IC432C-CR

Test Number: ILL-20170227-03  
 Lumens: 1669lm  
 Watts: 25.8W  
 Efficacy: 65 lm/w  
 Spacing Criteria: 0.74 (0-180°)  
 0.74 (90-270°)

Distance to Floor (Feet)	Footcandles at Nadir	Beam Diameter (Feet)
6'	61.1fc	5' 2"
7'	44.9fc	6'
8'	34.4fc	6' 11"
9'	27.2fc	7' 10"
10'	22fc	8' 7"
11'	18.2fc	9' 6"
12'	15.3fc	10' 4"

**Emergency Multiplier:**

7W Emergency (x 0.27)  
 20W Emergency (x 0.78)

Candela Distribution		Zonal Lumen Summary		
Angle	Candela	Zone	Lumens	%Fixture
0°	2200	0-30	1121	67
5°	2152	0-40	1416	85
15°	1724	0-60	1622	97
25°	1008	0-90	1669	100
35°	518	40-70	247	15
45°	167	60-80	47	78
		90-180	0	0
		0-180	1669	100

**L4 LED Module - CCT Multipliers:**

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

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

## SS4G3DRL5358 / IC432C-CR

Test Number: ILL-20170227-03  
 Lumens: 2002lm  
 Watts: 31.5W  
 Efficacy: 64 lm/w  
 Spacing Criteria: 0.74 (0-180°)  
 0.74 (90-270°)

Distance to Floor (Feet)	Footcandles at Nadir	Beam Diameter (Feet)
6'	73.3fc	5' 2"
7'	53.8fc	6'
8'	41.2fc	6' 11"
9'	32.6fc	7' 10"
10'	26.4fc	8' 7"
11'	21.8fc	9' 6"
12'	18.3fc	10' 4"

**Emergency Multiplier:**

7W Emergency (x 0.22)  
 20W Emergency (x 0.64)

Candela Distribution		Zonal Lumen Summary		
Angle	Candela	Zone	Lumens	%Fixture
0°	2638	0-30	1345	67
5°	2581	0-40	1698	85
15°	2068	0-60	1945	97
25°	1208	0-90	2002	100
35°	621	40-70	296	15
45°	200	60-80	57	78
		90-180	0	0
		0-180	2002	100

**L5 LED Module - CCT Multipliers:**

2700K (x 0.91), 3000K (x 0.99), 3500K (x 1.00), 4000K (x 1.02)

## SS4G3DRL6358 / IC432C-CR

Test Number: ILL-20170227-03  
 Lumens: 2669lm  
 Watts: 42.1W  
 Efficacy: 63 lm/w  
 Spacing Criteria: 0.74 (0-180°)  
 0.74 (90-270°)

Distance to Floor (Feet)	Footcandles at Nadir	Beam Diameter (Feet)
6'	97.7fc	5' 2"
7'	71.8fc	6'
8'	55fc	6' 11"
9'	43.4fc	7' 10"
10'	35.2fc	8' 7"
11'	29.1fc	9' 6"
12'	24.4fc	10' 4"

**Emergency Multiplier:**

7W Emergency (x 0.17)  
 20W Emergency (x 0.47)

Candela Distribution		Zonal Lumen Summary		
Angle	Candela	Zone	Lumens	%Fixture
0°	3518	0-30	1793	67.2
5°	3441	0-40	2264	84.8
15°	2757	0-60	2593	97.2
25°	1611	0-90	2669	100
35°	828	40-70	395	14.8
45°	267	60-80	75	2.8
		90-180	0	0
		0-180	2669	100

**L6 LED Module - CCT Multipliers:**

2700K (x 0.91), 3000K (x 0.99), 3500K (x 1.00), 4000K (x 1.02)

# DIMMING COMPATIBILITY

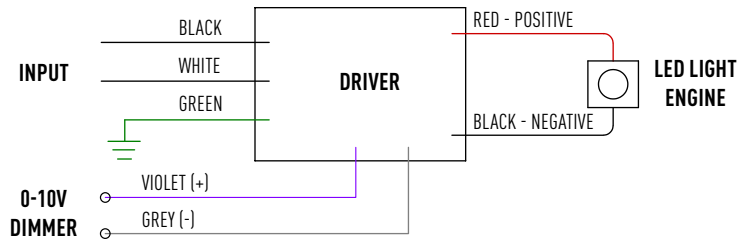
<b>JOB NAME</b>		<b>CATALOG NUMBER</b>	
<b>NOTES</b>		<b>TYPE</b>	

## 0-10V DIMMING

- 120V/277V
- Dims down to 1% or 0.1% light output
- Consult dimming manufacturer for installation instructions and power packs

### COMPATIBLE DIMMERS

Manufacturer	Part Number(s)
HUNT	PS-010-IV-120V, PS-010-WH-120V, PS-010-3W-IV-120, PS-010-3W-WH-120V, PS-010-IV-277V, PS-010-WH-277V, PS-010-3W-IV-277V, PS-010-3W-WH-277V, FD-010: PS-IFC-010-IV, PS-IFC-010-WH-120/277V, FD-010: PS-IFC-010-3W-IV, PS-IFC-010-3W-WH-120/277V, FD-010-120V, FD-010-277V
Leviton	Leviton Centura Fluorescent Control System, IllumaTech™ IP7 Series, DPSPE-212
Lightolier	ZP600FAM120, MP1500FAM120, V2000FAMU
Lithonia	LEQ BC, LEQ LVBC, SLD LVBC, SQ1DC
Lutron	DVTV, NTFTV
Synergy	ISD BC 120/277

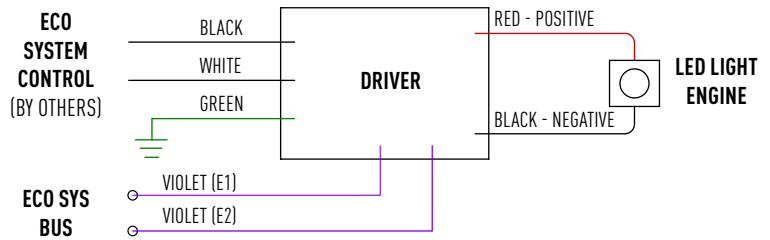


## LUTRON ECOSYSTEM® DIMMING

- 120V or 277V
- Dims down to 1% or 5%
- Consult dimming manufacturer for installation instructions

### COMPATIBLE DIMMERS

CS-1L-WM, CS-2L-WM, CS-1L-CM, CS-2L-CM, EcoSystem ESN, Grafik Eye QS with EcoSystem, Quantum



## LUTRON HI-LUME® DIMMING

- 120V or 277V
- Dims down to 1%
- Consult dimming manufacturer for installation instructions

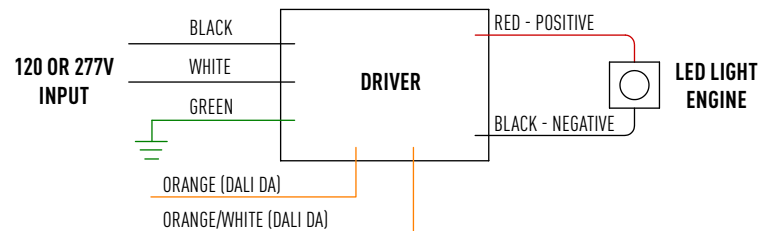
### COMPATIBLE DIMMERS

AYF-103P, AYF-103P-277, DVF-103, DVF-103P-277, DVSCF-103P, DVSCF-103P-277, HQRD-F6AN-DV, LXF-103PL, LXF-103PL-277, NF-10, NF-103P, NF-103P-277, NF-10-277, NTF-10, NTF-103P, NTF-103P-277, NTF-10-277, RRD-F6AN-DV, SF-12P-277-3, SF-103P, MAF-6AM, MAF-6AM-277, MSCF-6AM, MCSF-6AM-277, MRF2-F6AN-DV, SF-10P, SF-12P-277, SPSF-6A, SPSF-6A-277, SPSF-6AM, SPSF-6AM-277, VF-10, VTF-6AM



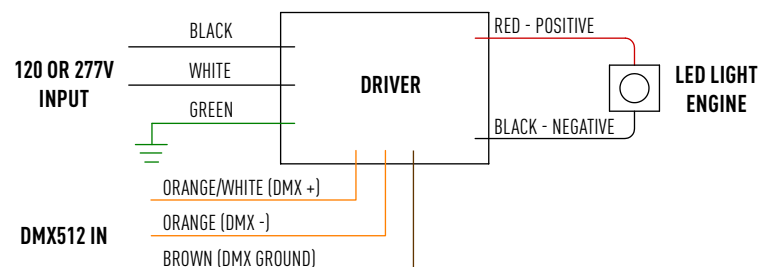
## DALI DIMMING

- 120V or 277V
- Dims down to 1% or 0.1% light output



## DMX512 RDM DIMMING

- 120V or 277V
- Dims down to 0.1% light output
- RDM channel programmable



SS LUM-03117 P-43

### Intense Lighting

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