# SS4G4DS / ICS432
## 4˝ SS LED Square Lensed Downlight Gen 4 - Wet Location

| 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 | 700lm |
| L2 | 13W | 14.5W | 3500K | 1050lm |
| L3 | 17W | 19.5W | 3500K | 1400lm |

*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

### EMERGENCY BACKUP
Remote test switch included. External battery operates LED load of up to 7W at a minimum of 550 lumens for 90 minutes (EM7).

### 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.

### 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® LTEA2W Hi-Lume 1% 2-Wire LED driver (120V forward phase only)
- Lutron® LDE5 5-Series EcoSystem LED driver
- DMX512 RDM 0.1%

### 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 info

### 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.
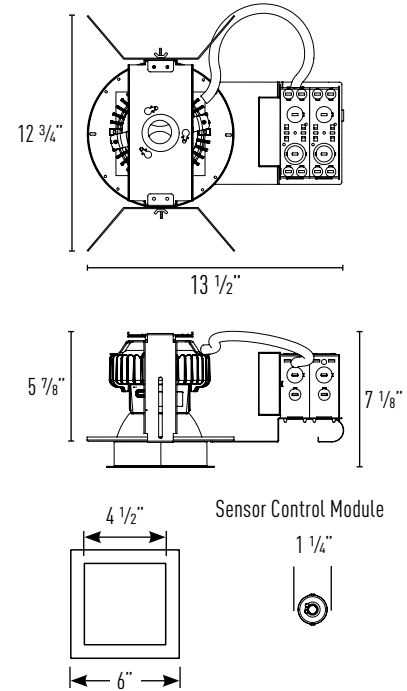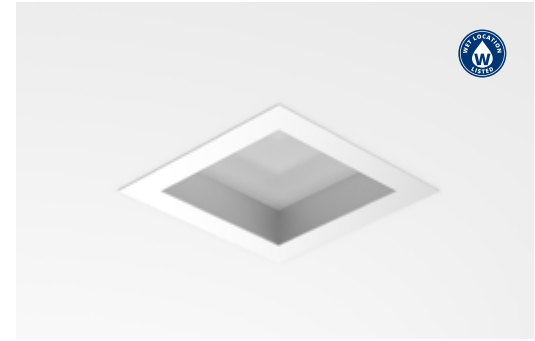
### INSTALLATION
The luminaire is type Non-IC. Insulation must be kept at a minimum of 3˝ away from fixture. Universal mounting brackets included. Compatible with C-channel, flat bar, wood joist bar hanger and EMT. Bar hangers must be ordered separately. C-channel is recommended for T-bar ceilings. Maximum ceiling thickness is 1 ¼˝.

### END-OF-LIFE INDICATOR
Optional end-of-life indicator helps the end user to receive a signal from the fixture indicating that it has reached its programmed life-time. After the LED driver reaches the programmed life-time, whenever it is turned ON, it stays at 'Dim' level (10%) for 10 minutes and then reaches its appropriate level.

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





Sensor Control Module

Ceiling Cut Out: 5 ⅝˝ x 5 ⅝˝
Maximum Ceiling Thickness: 1 ¼˝

## Housing Part Number (Example: SS4G4DSL3358)

| Housing | LED Module | CCT / CRI | Dimming | | Voltage | | Options | |
|---|---|---|---|---|---|---|---|---|
| SS4G4DS | L1 (9 Watts) | 278 (2700K / 80 CRI) | blank (Osram 0-10V 1%) | | blank (Universal 120/277V) | | EM7 (7W Emergency Backup w/ Remote Test Switch IOTA part #ILB-CP07-A) | |
| | L2 (13 Watts) | 308 (3000K / 80 CRI) | -IE[1] (Intellect Wireless 1%) | | 34[6] (347V) | | EOL (End-of-Life Indicator at 50,000 hours) | |
| | L3 (17 Watts) | 358 (3500K / 80 CRI) | ▼ Not available with universal voltage, must specify blank (120V) or 27 (277V) ▼ | | | | I100 (C-Channel Bar Hangers) | |
| | | 408 (4000K / 80 CRI) | -DIM[2,3] (Phase Dimming) | | blank (120V) | | I200 (Flat Bar Hangers) | |
| | | | -ED10V1 (eldoLED 0-10V 1%) | | 27 (277V) | | I400 (Wood Joist Bar Hangers) | |
| | | | -ED10V01 (eldoLED 0-10V 0.1%) | | | | | |
| | | | -LUT[4] (Lutron® LDE1 EcoSystem 1%) | | | | | |
| | | | -LUT5[4] (Lutron® LDE5 EcoSystem 5%) | | | | | |
| | | | -LUT2[3,4] (Lutron® LTEA2W 2-Wire 1%) | | | | | |
| | | | -DMXR[5] (DMX512 RDM 0.1%) | | | | | |

**Notes:**
1. 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)
2. Not available in L1 & L2
3. Not available in 277V
4. Lutron not available in L1
5. DMX512 RDM not available in L1 & L2
6. 347V only available with Osram 0-10V 1% Dimming

## Reflector Part Number (Example: ICS432HZ-SF-PR)

| Reflector | Reflector Finish | Trim | Lens Type |
|---|---|---|---|
| ICS432 | HZ (Haze) | -SF (Self Flanged) | -PR (Prismatic Spread) |
| | | -SFW (Self Flanged White) | |

SS-DOWNLIGHTING L/M-041:21 P-7

**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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# SS4G4DS / ICS432

## 4˝ SS LED Square Lensed Downlight Gen 4 - Wet Location

## SS4G4DSL1358 / ICS432HZ-PR

Test Number: ILL-20170302-04.001
Lumens: 707.2lm
Watts: 8.6W
Efficacy: 82 lm/w

| Distance to Floor (Feet) | Footcandles at Nadir | Beam Diameter (Feet) |
|---|---|---|
| 6´ | 14.2fc | 9´ 0˝ |
| 8´ | 8fc | 11´ 9˝ |
| 10´ | 5.1fc | 14´ 9˝ |
| 12´ | 3.6fc | 17´ 9˝ |

### Candela Distribution

| Angle | Candela |
|---|---|
| 0° | 511 |
| 5° | 507 |
| 15° | 472 |
| 25° | 401 |
| 35° | 274 |
| 45° | 133 |

### Zonal Lumen Summary

| Zone | Lumens | %Fixture |
|---|---|---|
| 0-30 | 363 | 51 |
| 0-40 | 532 | 75 |
| 0-60 | 689 | 97 |
| 60-90 | 20 | 3 |
| 0-90 | 707 | 100 |

**L1 LED Module - CCT Multipliers:**

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

## SS4G4DSL2358 / ICS432HZ-PR

Test Number: ILL-20170302-04.002
Lumens: 1062.3lm
Watts: 12.8W
Efficacy: 82 lm/w

| Distance to Floor (Feet) | Footcandles at Nadir | Beam Diameter (Feet) |
|---|---|---|
| 6´ | 21.3fc | 9´ 0˝ |
| 8´ | 12fc | 11´ 9˝ |
| 10´ | 7.7fc | 14´ 9˝ |
| 12´ | 5.3fc | 17´ 9˝ |

### Candela Distribution

| Angle | Candela |
|---|---|
| 0° | 767 |
| 5° | 761 |
| 15° | 708 |
| 25° | 602 |
| 35° | 411 |
| 45° | 197 |

### Zonal Lumen Summary

| Zone | Lumens | %Fixture |
|---|---|---|
| 0-30 | 546 | 51 |
| 0-40 | 800 | 75 |
| 0-60 | 1032 | 97 |
| 60-90 | 31 | 3 |
| 0-90 | 1,062 | 100 |

**L2 LED Module - CCT Multipliers:**

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

## SS4G4DSL3358 / ICS432HZ-PR

Test Number: ILL-20170302-04.003
Lumens: 1414.5lm
Watts: 17.2W
Efficacy: 82 lm/w

| Distance to Floor (Feet) | Footcandles at Nadir | Beam Diameter (Feet) |
|---|---|---|
| 6´ | 28.4fc | 9´ 0˝ |
| 8´ | 16fc | 11´ 9˝ |
| 10´ | 10.2fc | 14´ 9˝ |
| 12´ | 7.1fc | 17´ 9˝ |

### Candela Distribution

| Angle | Candela |
|---|---|
| 0° | 1022 |
| 5° | 1013 |
| 15° | 943 |
| 25° | 802 |
| 35° | 547 |
| 45° | 261 |

### Zonal Lumen Summary

| Zone | Lumens | %Fixture |
|---|---|---|
| 0-30 | 726 | 51 |
| 0-40 | 1,065 | 75 |
| 0-60 | 1,374 | 97 |
| 60-90 | 41 | 3 |
| 0-90 | 1,415 | 100 |

**L3 LED Module - CCT Multipliers:**

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

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