

# GDS4DR / IRDS402

## 4" Gravity TunableWhite LED Shallow Lensed Downlight - Wet Location

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

### ELECTRICAL DATA

LED Light Engine	Nominal Delivered Lumen*	System Wattage**
TW1	1000lm @ 3500K / 92CRI	13W
TW2	1500lm @ 3500K / 92CRI	19W
TW3	2000lm @ 3500K / 92CRI	25W
TW4	2500lm @ 3500K / 92CRI	33W

\* Delivered lumen output will vary depending on CCT, CRI, optic and reflector finish | \*\* System Wattage includes driver and LED Module consumption.

### FEATURES

- Tuning range from 2700K-6500K
- Minimum 90 CRI
- 3 SDCM binning options for both warm white (2700K) and cool white ( 6500K)
- Superior color mixing enabled by phosphor dispensed technology
- Housing is 3.9" tall with minimal 5/8" collar that expands up to 1-1/4" for thicker ceilings via hanger bar placement

### LED LIGHT ENGINE

- Wattage: 13W to 33W
- Integrated driver tunes to dimmers across multiple luminaires
- Rated life of >50,000 hours L70 based on LED testing per LM-80-08 and projected values using IESNA TM21-11

### DIMMING

- eldoLED Dual Drive 2CH 0-10V 0.1%
- Lutron T-Series 1% 2CH tunable white driver
- DMX512 RDM 8-bit 0.1%
- eldoLED Dual Drive DALI DT6 0.1%
- eldoLED Dual Drive DALI DT8 0.1%

### OPTICS

- 20° Spot, 30° Narrow Flood, 40° Flood and 50° Wide Flood
- Optics and filter media are field customizable

### ELECTRICAL SYSTEM

- 120V/277V Power factor >.9, 50/60Hz
- This product complies with IEEE C62.41 for surge endurance up to 2.5KV. Additional surge protection recommended. Damage from power surge is not covered by warranty.

### FRAME CONSTRUCTION

Constructed from 16 and 18 gauge heavy duty powder coated cold rolled 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.

### REFLECTOR

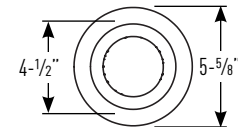
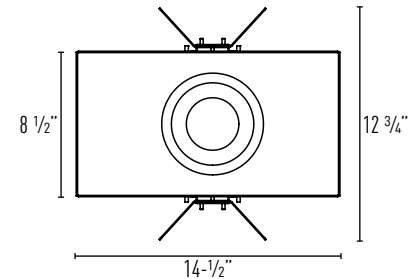
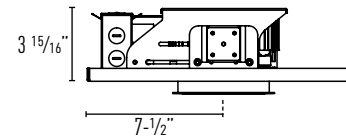
Specification grade reflector with 1.5mm thickness. Reflector available in haze, white, clear, black or wheat finish. Consult factory for other colors. Regressed lens available in two lens types; Clear Tempered or Solite. Architectural, discrete polished self flange standard. Optional painted white flange is available. Meets RP-1 requirements with controlled light distribution at a 55° cut off.

### INSTALLATION

The luminaire is type Non-IC. Insulation must be kept at a minimum of 3" away from fixture. Accommodates ceiling thickness from 5/8" to 1-1/4". 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. 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: 5-1/4"  
Maximum Ceiling Thickness: 1-1/4"  
Minimum Ceiling Thickness: 5/8"

Housing Part Number: (Example: GDS4DRTW1-ED10V01-NF)

Housing	Wattage	CCT / CRI	Dimming	Voltage	Optic
<b>GDS4DR</b>	<b>TW1</b> (13W)	blank (TunableWhite 2700K-6500K / 92 CRI)	<b>-ED10V01</b> (eldoLED Dual Drive 2CH 0-10V 0.1%)	blank (120V)	<b>-SP</b> (20° Spot)
	<b>TW2</b> (19W)		<b>-LUTT</b> (Lutron® T Series 1%)	<b>27</b> (277V)	<b>-NF</b> (30° Narrow Flood)
	<b>TW3</b> (25W)		<b>-DMXR</b> (DMX512 RDM 0.1%)		<b>-FL</b> (40° Flood)
	<b>TW4</b> (33W)		<b>-DALI6</b> (eldoLED Dual Drive DALI DT6 0.1%) <b>-DALI8</b> (eldoLED Dual Drive DALI DT8 0.1%)		<b>-WF</b> (50° Wide Flood)

Reflector Part Number (Example: IRDS402HZ-SF-CR)

Reflector	Reflector Finish	Trim Type	Lens Type
<b>IRDS402</b>	<b>HZ</b> (Haze)	<b>-SF</b> (Self Flanged)	<b>-CR</b> (Clear Tempered)
	<b>W</b> (White)	<b>-SFW</b> (Self Flanged White)	<b>-SL</b> (Solite)
	<b>C</b> (Clear)		
	<b>B<sup>4</sup></b> (Black)		
	<b>WHT<sup>4</sup></b> (Wheat)		

### Accessories

- I100** (Black Accessory Holder)
- I200** (White Accessory Holder)
- I400** (Solite Soft Focus Lens)

### Replacement Optics

- IP-OP63SP** (20° Spot Optic)
- IP-OP63NF** (30° Narrow Flood Optic)
- IP-OP63FL** (40° Flood Optic)
- IP-OP63WF** (50° Wide Flood Optic)

Notes:  
1. Consult factory for lead times

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

**ELECTRICAL DATA TABLE**

<b>Lumen Package</b>	<b>CCT</b>	<b>120V</b>	<b>277V</b>
<b>TW1</b>	2700K	15W	18W
	3500K	13W	16W
	6500K	13W	16W
<b>TW2</b>	2700K	23W	25W
	3500K	19W	21W
	6500K	18W	21W
<b>TW3</b>	2700K	30W	32W
	3500K	25W	27W
	6500K	24W	26W
<b>TW4</b>	2700K	41W	42W
	3500K	33W	36W
	6500K	31W	33W

\*Notes: System Wattage includes driver and LED Module consumption