

# GDS4DR / IRDS402

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

ELECTRICAL DATA: (Data Based On 3000K/82CRI Configuration)

LED Light Engine	Nominal Delivered Lumens *	System Wattage **	Efficacy	LED Light Engine	Nominal Delivered Lumens *	System Wattage **	Efficacy
L1	1100lm	12W	92 lm/W	L5	3200lm	31W	103 lm/W
L2	1500lm	15W	100 lm/W	L6	3700lm	37W	100 lm/W
L3	2100lm	20W	105 lm/W	L7	4300lm	44W	98 lm/W
L4	2600lm	25W	104 lm/W	L8	4900lm	48W	102 lm/W

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

### FEATURES

- 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

- 10W, 14W, 19W, 24W, 29W, 34W, 41W & 46W
- 82/92 CRI at 2700K, 3000K, 3500K & 4000K with 2 Step MacAdam (2 SDCM)
- Rated life of >50,000 hours L70 based on LED testing per LM-80-08 and projected values using IESNA TM21-11

### DIMMING

- Phase Dimming 120V only, Forward 1% / Reverse 5%
- 0-10V Dimming 1%
- 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%

### OPTICS

- 14° Narrow Spot, 20° Spot, 30° Narrow Flood, 40° Flood and 50° Wide Flood
- Optics and filter media are field customizable

### ELECTRICAL SYSTEM

- Dedicated voltage options of 120V or 277V. Must be specified in catalog code.
- 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 or black 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).

### EMERGENCY BACKUP

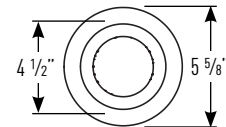
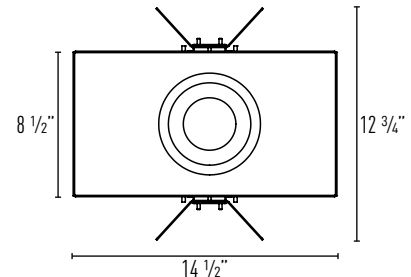
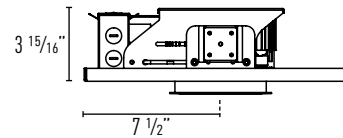
Remote test switch included. External battery operates LED load of up to 7W at a minimum of 500 lumens for 90 minutes (EM7), or 20W at a minimum of 1550 lumens for 90 minutes (EM20).

### LISTING / WARRANTY

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



Gravity™



Ceiling Cut Out: 5 1/4"

Maximum Ceiling Thickness: 1 1/4"

Minimum Ceiling Thickness: 5/8"

### Housing Part Number (Example: GDS4DRL230-D101-NS)

Housing	Wattage	CCT / CRI	Dimming	Voltage	Optic	Options
GDS4DR	L1 (10W)	27 (2700K / 82 CRI)	-DIM <sup>1</sup> (Phase Dimming)	blank (120V)	-NS <sup>3</sup> (14° Narrow Spot)	EM7 (7W Emergency Backup IOTA part #ILB-CP07-A)
	L2 (14W)	279 (2700K / 92 CRI)	-D101 (0-10V Dimming 1%)	27 (277V)	-SP (20° Spot)	
	L3 (19W)	30 (3000K / 82 CRI)	-ED10V1 (eldoLED 0-10V 1%)		-NF (30° Narrow Flood)	EM20 <sup>5</sup> (20W Emergency Backup w/ Remote Test Switch IOTA ILB-CP20-HE-S)
	L4 (24W)	309 (3000K / 92 CRI)	-ED10V01 (eldoLED 0-10V 0.1%)		-FL (40° Flood)	
	L5 (29W)	35 (3500K / 82 CRI)	-LUT (Lutron® LDE1 EcoSystem 1%)		-WF (50° Wide Flood)	
	L6 (34W)	359 (3500K / 92 CRI)	-DMXR <sup>2</sup> (DMX512 RDM 0.1%)			
	L7 (41W)	40 (4000K / 82 CRI)				
	L8 (46W)	409 (4000K / 92 CRI)				

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

Reflector	Reflector Finish	Lens Type
IRDS402	HZ-SF (Haze, Self-Flanged)	-CR (Clear Tempered)
	HZ-SFW (Haze, Self-Flanged White)	-SL (Solite)
	W-SF (White, Self-Flanged)	
	W-SFW (White, Self-Flanged White)	

### Accessories

- I100 (C-Channel Bar Hangers)
- I200 (Flat Bar Hangers)
- I400 (Wood Joist Bar Hangers)

#### Notes:

- Available in 120V only
- DMX512 RDM not available with L1 & L2
- 14° Optic not available in L8 & L9
- Consult factory for lead times
- EM20 only available for L4 to L9

DOWNLIGHTING-GRAVITY L/M-0926.23 P-4

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

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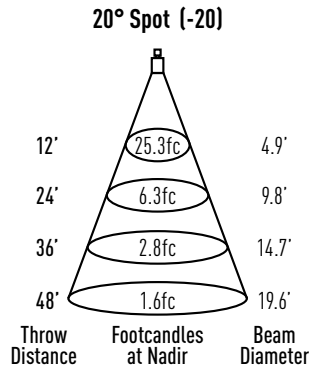
JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

## GDS4DRL130 / IRDS402HZ-CR

Report #: ILL-20191127-4.001 (-20)  
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ILL-20191127-16.001 (-40)  
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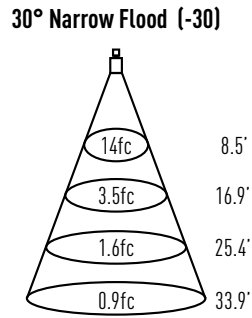
### CCT MULTIPLIERS:

	82 CRI	92 CRI
2700K	(x 0.95)	(x 0.79)
3000K	(x 1.00)	(x 0.82)
3500K	(x 1.02)	(x 0.85)
4000K	(x 1.03)	(x 0.88)



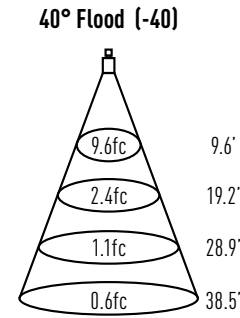
Watts: 10  
Lumens: 1151  
LPW: 115.1  
CCT: 3000K

Luminance	
Degree	CBCP
0°	3642
5°	3255
15°	1200
25°	542
35°	265
45°	72



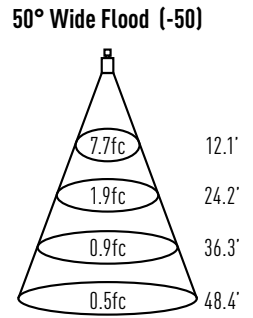
Watts: 10  
Lumens: 1183  
LPW: 118.3  
CCT: 3000K

Luminance	
Degree	CBCP
0°	2017
5°	1925
15°	1315
25°	703
35°	323
45°	79



Watts: 10  
Lumens: 1057  
LPW: 105.7  
CCT: 3000K

Luminance	
Degree	CBCP
0°	1378
5°	1323
15°	981
25°	565
35°	275
45°	137



Watts: 10  
Lumens: 1093  
LPW: 109.3  
CCT: 3000K

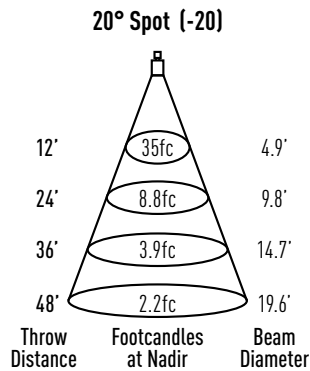
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Degree	CBCP
0°	1105
5°	1086
15°	923
25°	611
35°	315
45°	154

## GDS4DRL230 / IRDS402HZ-CR

Report #: ILL-20191127-4.002 (-20)  
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ILL-20191127-16.002 (-40)  
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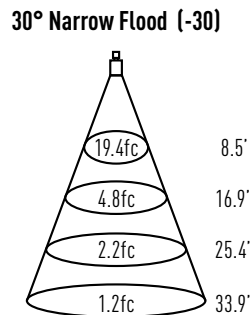
### CCT MULTIPLIERS:

	82 CRI	92 CRI
2700K	(x 0.95)	(x 0.79)
3000K	(x 1.00)	(x 0.82)
3500K	(x 1.02)	(x 0.85)
4000K	(x 1.03)	(x 0.88)



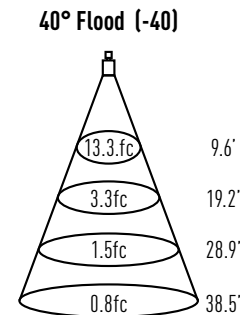
Watts: 14  
Lumens: 1593  
LPW: 90  
CCT: 3000K

Luminance	
Degree	CBCP
0°	5043
5°	4507
15°	1662
25°	751
35°	367
45°	100



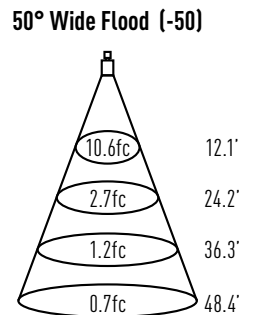
Watts: 14  
Lumens: 1637  
LPW: 86  
CCT: 3000K

Luminance	
Degree	CBCP
0°	2793
5°	2666
15°	1821
25°	973
35°	447
45°	109



Watts: 14  
Lumens: 1464  
LPW: 74  
CCT: 3000K

Luminance	
Degree	CBCP
0°	1909
5°	1832
15°	1359
25°	782
35°	381
45°	189



Watts: 14  
Lumens: 1514  
LPW: 73  
CCT: 3000K

Luminance	
Degree	CBCP
0°	1530
5°	1503
15°	1278
25°	847
35°	437
45°	214

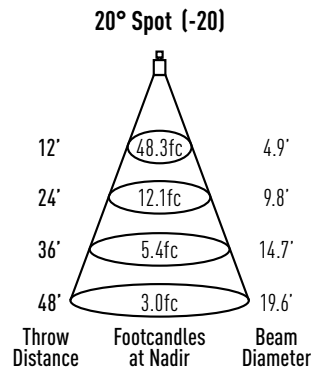
JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

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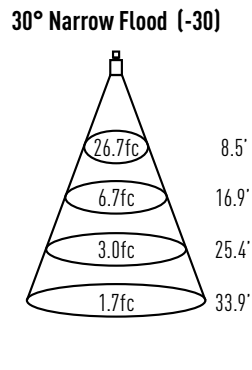
### CCT MULTIPLIERS:

	82 CRI	92 CRI
2700K	(x 0.95)	(x 0.79)
3000K	(x 1.00)	(x 0.82)
3500K	(x 1.02)	(x 0.85)
4000K	(x 1.03)	(x 0.88)



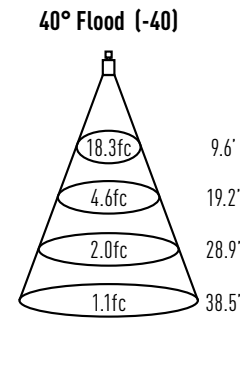
Watts: 19  
Lumens: 2195  
LPW: 90  
CCT: 3000K

Luminance	
Degree	CBCP
0°	6948
5°	6209
15°	2209
25°	1035
35°	505
45°	138



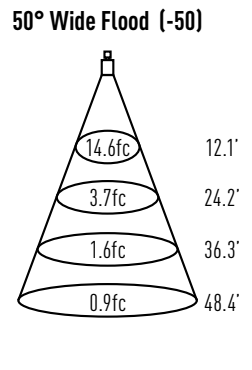
Watts: 19  
Lumens: 2256  
LPW: 86  
CCT: 3000K

Luminance	
Degree	CBCP
0°	3848
5°	3673
15°	2508
25°	1341
35°	615
45°	151



Watts: 19  
Lumens: 2017  
LPW: 74  
CCT: 3000K

Luminance	
Degree	CBCP
0°	2630
5°	2525
15°	1872
25°	1078
35°	524
45°	261



Watts: 19  
Lumens: 2086  
LPW: 77  
CCT: 3000K

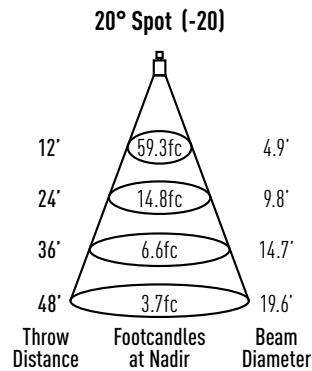
Luminance	
Degree	CBCP
0°	2108
5°	2071
15°	1761
25°	1166
35°	602
45°	295

## GDS4DRL430 / IRDS402HZ-CR

Report #: ILL-20191127-4.004 (-20)  
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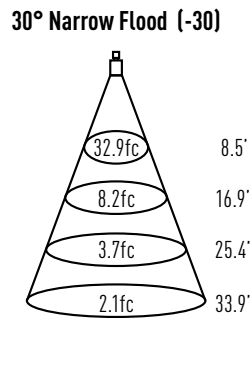
### CCT MULTIPLIERS:

	82 CRI	92 CRI
2700K	(x 0.95)	(x 0.79)
3000K	(x 1.00)	(x 0.82)
3500K	(x 1.02)	(x 0.85)
4000K	(x 1.03)	(x 0.88)



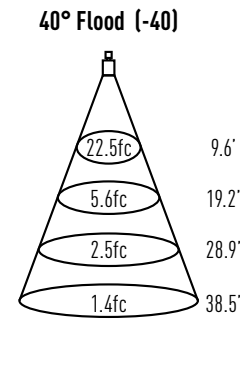
Watts: 24  
Lumens: 2700  
LPW: 112.5  
CCT: 3000K

Luminance	
Degree	CBCP
0°	8545
5°	7637
15°	2816
25°	1273
35°	621
45°	170



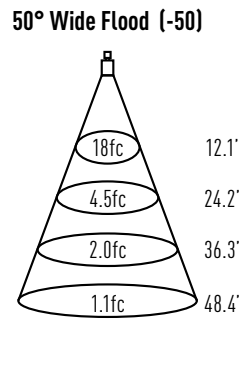
Watts: 24  
Lumens: 2774  
LPW: 115.6  
CCT: 3000K

Luminance	
Degree	CBCP
0°	4732
5°	4517
15°	3085
25°	1649
35°	757
45°	185



Watts: 24  
Lumens: 2481  
LPW: 103.4  
CCT: 3000K

Luminance	
Degree	CBCP
0°	3234
5°	3105
15°	2302
25°	1326
35°	645
45°	321



Watts: 24  
Lumens: 2565  
LPW: 106.9  
CCT: 3000K

Luminance	
Degree	CBCP
0°	2592
5°	2547
15°	2165
25°	1435
35°	740
45°	362