

# GDS4DR / IRDS400

## 4" Gravity LED Shallow Downlight

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

- 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

- 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. 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.

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 550 lumens for 90 minutes (EM7), or 20W at a minimum of 1650 lumens for 90 minutes (EM20).

### ACCESSORIES

Luminaire will accommodate (2) accessories, accessory holder required.

### LISTING / WARRANTY

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



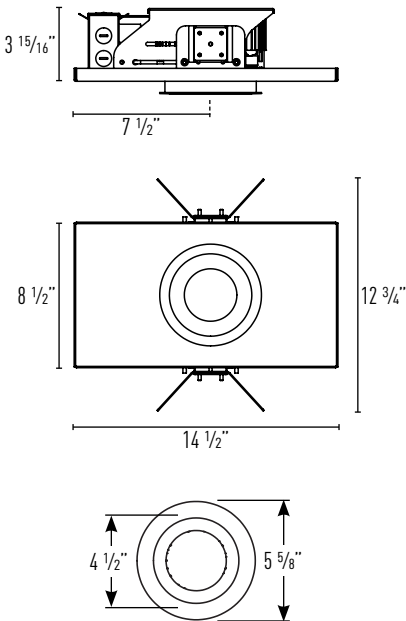
### ELECTRICAL SYSTEM

### INSTALLATION

The luminaire is type Non-IC. Insulation

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

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 (12 W)	27 (2700K / 82 CRI)	-DIM <sup>1</sup> (Phase Dimming)	blank (120V)	-NS <sup>3</sup> (14° Narrow Spot)	EM7 (7W Emergency Backup
	L2 (15 W)	279 (2700K / 92 CRI)	-D101 (0-10V Dimming 1%)	27 (277V)	-SP (20° Spot)	<a href="#">IOTA part #ILB-CP07-A</a> )
	L3 (20 W)	30 (3000K / 82 CRI)	-ED10V1 (eldoLED 0-10V 1%)		-NF (30° Narrow Flood)	EM20 <sup>5</sup> (20W Emergency Backup w/ Remote
	L4 (25 W)	309 (3000K / 92 CRI)	-ED10V01 (eldoLED 0-10V 0.1%)		-FL (40° Flood)	Test Switch <a href="#">IOTA ILB-CP20-HE-S</a> )
	L5 (31 W)	35 (3500K / 82 CRI)	-LUT (Lutron® LDE1 EcoSystem 1%)		-WF (50° Wide Flood)	
	L6 (37 W)	359 (3500K / 92 CRI)	-DMXR <sup>2</sup> (DMX512 RDM 0.1%)			
	L7 (44 W)	40 (4000K / 82 CRI)				
	L8 (48 W)	409 (4000K / 92 CRI)				

### Reflector Part Number (Example: IRDS400HZ-SF)

Reflector	Reflector Finish
IRDS400	HZ-SF (Haze, Self-Flanged)
	HZ-SFW (Haze, Self-Flanged White)
	W-SF (White, Self-Flanged)
	W-SFW (White, Self-Flanged White)

### Accessories

LH63	(Black Accessory Holder)
LH63W	(White Accessory Holder)
PFL4-63	(Solite Soft Focus Lens)
PFLMB-63	(Black Hex Louver)
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-1

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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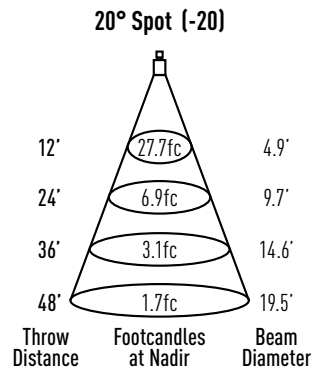
JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

## GDS4DRL130 / IRDS400HZ

Report #: ILL-20191127-2.001 (-20)  
ILL-20191127-8.001 (-30)  
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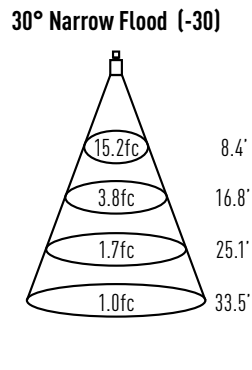
### CCT MULTIPLIERS:

	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)



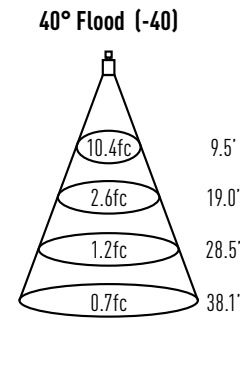
Watts: 10  
Lumens: 1215  
LPW: 121.5  
CCT: 3000K

Luminance	
Degree	CBCP
0°	3985
5°	3559
15°	1292
25°	575
35°	277
45°	67



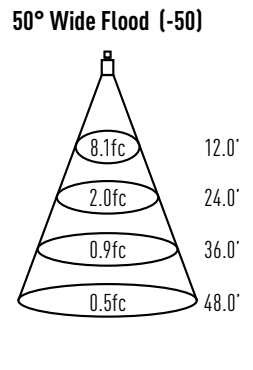
Watts: 10  
Lumens: 1234  
LPW: 123.4  
CCT: 3000K

Luminance	
Degree	CBCP
0°	2190
5°	2090
15°	1419
25°	748
35°	326
45°	70



Watts: 10  
Lumens: 1119  
LPW: 111.9  
CCT: 3000K

Luminance	
Degree	CBCP
0°	1503
5°	1442
15°	1063
25°	605
35°	287
45°	138



Watts: 10  
Lumens: 1143  
LPW: 114.3  
CCT: 3000K

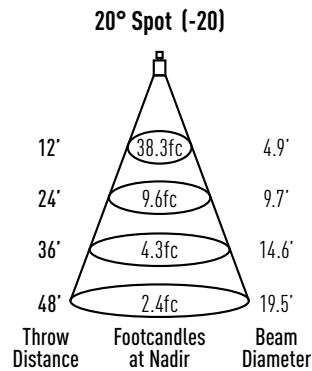
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Degree	CBCP
0°	1173
5°	1152
15°	976
25°	642
35°	328
45°	157

## GDS4DRL230 / IRDS400HZ

Report #: ILL-20191127-2.002 (-20)  
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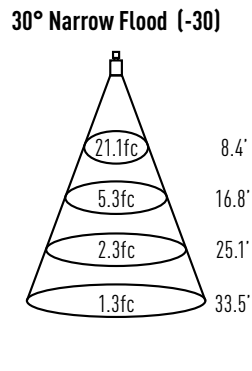
### CCT MULTIPLIERS:

	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)



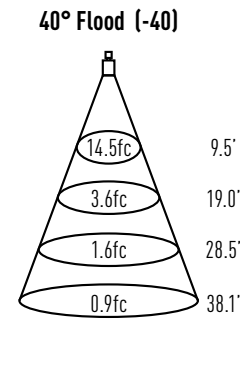
Watts: 14  
Lumens: 1682  
LPW: 120.1  
CCT: 3000K

Luminance	
Degree	CBCP
0°	5517
5°	4928
15°	1788
25°	796
35°	383
45°	93



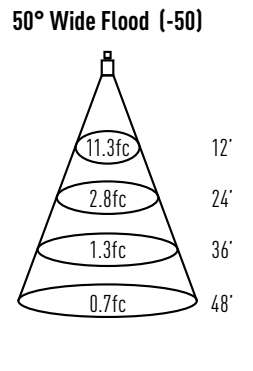
Watts: 14  
Lumens: 1709  
LPW: 122.1  
CCT: 3000K

Luminance	
Degree	CBCP
0°	3033
5°	2894
15°	1965
25°	1036
35°	451
45°	96



Watts: 14  
Lumens: 1549  
LPW: 110.6  
CCT: 3000K

Luminance	
Degree	CBCP
0°	2081
5°	1997
15°	1472
25°	838
35°	397
45°	191



Watts: 14  
Lumens: 1582  
LPW: 113  
CCT: 3000K

Luminance	
Degree	CBCP
0°	1624
5°	1595
15°	1351
25°	889
35°	455
45°	217

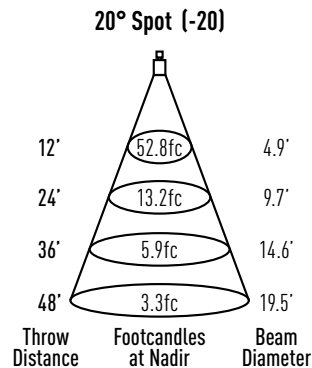
JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

## GDS4DRL330 / IRDS400HZ

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ILL-20191127-20.003 (-50)

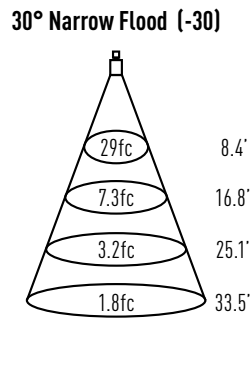
### CCT MULTIPLIERS:

	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)



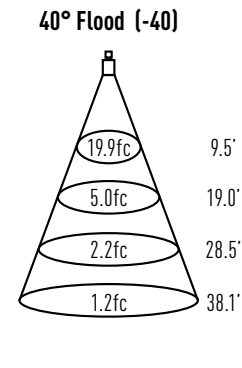
Watts: 19  
Lumens: 2318  
LPW: 122  
CCT: 3000K

Luminance	
Degree	CBCP
0°	7602
5°	6790
15°	2464
25°	1097
35°	528
45°	128



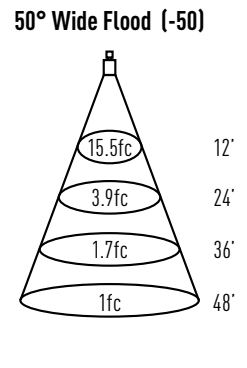
Watts: 19  
Lumens: 2354  
LPW: 123.9  
CCT: 3000K

Luminance	
Degree	CBCP
0°	4179
5°	3987
15°	2707
25°	1427
35°	621
45°	133



Watts: 19  
Lumens: 2135  
LPW: 112.4  
CCT: 3000K

Luminance	
Degree	CBCP
0°	2868
5°	2752
15°	2028
25°	1154
35°	547
45°	263



Watts: 19  
Lumens: 2180  
LPW: 114.7  
CCT: 3000K

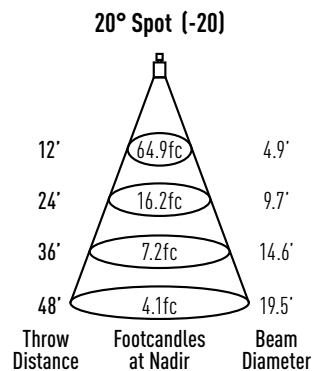
Luminance	
Degree	CBCP
0°	2237
5°	2198
15°	1862
25°	1225
35°	627
45°	299

## GDS4DRL430 / IRDS400HZ

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ILL-20191127-8.004 (-30)  
ILL-20191127-14.004 (-40)  
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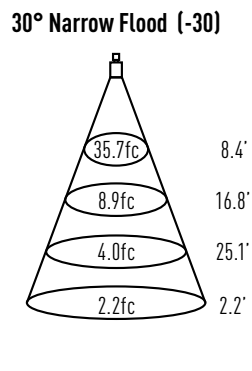
### CCT MULTIPLIERS:

	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)



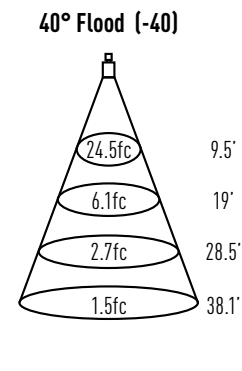
Watts: 24  
Lumens: 2851  
LPW: 118.8  
CCT: 3000K

Luminance	
Degree	CBCP
0°	9349
5°	8351
15°	3030
25°	1349
35°	649
45°	158



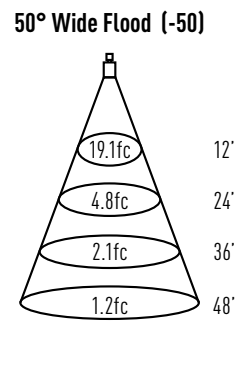
Watts: 24  
Lumens: 2896  
LPW: 120.7  
CCT: 3000K

Luminance	
Degree	CBCP
0°	5139
5°	4904
15°	3329
25°	1755
35°	764
45°	163



Watts: 24  
Lumens: 2625  
LPW: 109.4  
CCT: 3000K

Luminance	
Degree	CBCP
0°	3527
5°	3384
15°	2495
25°	1420
35°	673
45°	323



Watts: 24  
Lumens: 2681  
LPW: 111.7  
CCT: 3000K

Luminance	
Degree	CBCP
0°	2751
5°	2703
15°	2289
25°	1507
35°	771
45°	368