

# GD4DR / IRD400

## 4" Gravity LED Downlight

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

LED Light Engine	Nominal Delivered Lumen*	System Wattage**	Efficacy	LED Light Engine	Nominal Delivered Lumen*	System Wattage**	Efficacy
L1	1000lm	12W	83 lm/W	L6	3500lm	37W	95 lm/W
L2	1500lm	15W	100 lm/W	L7	4000lm	44W	91 lm/W
L3	2000lm	20W	100 lm/W	L8	4500lm	48W	94 lm/W
L4	2500lm	25W	100 lm/W	L9	5000lm	55W	91 lm/W
L5	3000lm	31W	97 lm/W				

\*System Wattage include driver and LED Module consumption. / \*\* Delivered lumens will vary depending on CCT, CRI and optic selection

### FEATURES

- High delivered lumens maintained in ceiling from 1/2" to 2 1/4" using patent pending design
- Future proof luminaire with easy module install via twist-to-lock mounting and driver access through raised junction box

### 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

### ELECTRICAL SYSTEM

- Dedicated voltage options of 120V, 277V or 347V. Must be specified in catalog code. Consult factory for 347V
- 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. Innovative collar is field selectable for ceiling thicknesses from 1/2" to 2 1/4" without reducing delivered lumens.

### 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.

### INSTALLATION

The luminaire is type Non-IC. Insulation must be kept at a minimum of 3" away from fixture. Accommodates ceiling thickness from 1/2" to 2 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 450 lumens for 90 minutes (EM7), or 20W at a minimum of 1300 lumens for 90 minutes (EM20).

### ACCESSORIES

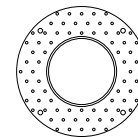
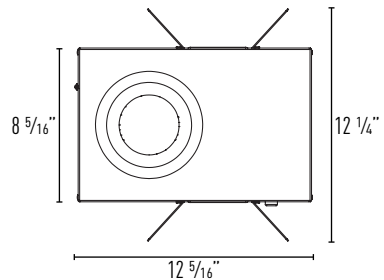
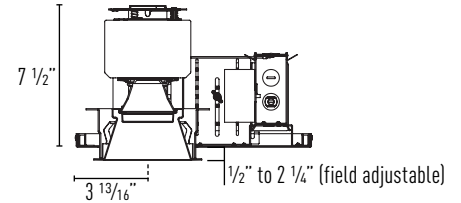
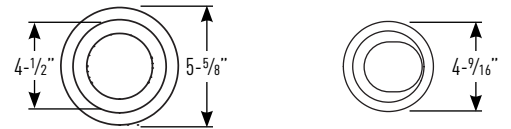
Luminaire will accommodate (2) accessories, accessory holder required.

### LISTING / WARRANTY

- ETL Listed to US and Canadian standards for damp locations
- 5-Year Intense LED Limited Warranty
- This product is covered by U.S. Pat. No. 10,274,148.



JOB NAME	CATALOG NUMBER
NOTES	TYPE



**Trimless Mud Ring:** Perforated collar for seamless and trimless mounting. Must be ordered separately and can only be used in conjunction with trimless trims.

Ceiling Cut Out: 5-1/4"  
Ceiling Thickness: 1/2" to 2-1/4"

Housing Part Number: (Example: GD4DRL230-D101-NSEM7)

Housing	Wattage	CCT / CRI	Dimming	Voltage	Optic	Options
GD4DR	L1 (12W)	27 (2700K / 82 CRI)	-DIM <sup>1</sup> (Phase Dimming)	blank (120V)	-NS <sup>4</sup> (14° Narrow Spot)	EM7 (7W Emergency Backup)
	L2 (15W)	279 (2700K / 92 CRI)	-D101 (0-10V Dimming 1%)	27 (277V)	-SP (20° Spot)	IOTA part #ILB-CP07-A)
	L3 (20W)	30 (3000K / 82 CRI)	-ED10V1 (eldoLED 0-10V 1%)	34 <sup>6</sup> (347V)	-NF (30° Narrow Flood)	EM20 <sup>5</sup> (20W Emergency Backup)
	L4 (25W)	309 (3000K / 92 CRI)	-ED10V01 (eldoLED 0-10V 0.1%)		-FL (40° Flood)	Bodine part #BSL20LV)
	L5 (31W)	35 (3500K / 82 CRI)	-LUT <sup>2</sup> (Lutron® LDE1 EcoSystem 1%)		-WF (50° Wide Flood)	
	L6 (37W)	359 (3500K / 92 CRI)	-DMXR <sup>3</sup> (DMX512 RDM 0.1%)			
	L7 (44W)	40 (4000K / 82 CRI)				
	L8 (48W)	409 (4000K / 92 CRI)				
	L9 (55W)					

Reflector Part Number: (Example: IRD400HZ-SF)

Reflector	Reflector Finish	Trim
IRD400	HZ (Haze)	-SF (Self Flanged)
	W (White)	-SFW <sup>7</sup> (Self Flanged White)
	C (Clear)	blank <sup>8</sup> (Trimless, for use with mud ring only)
	B <sup>6,7</sup> (Black)	

### Bar Hangers (Order Separately)

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

### Trimless Mud Ring (Order Separately)

GD4R-MR<sup>8</sup> (Round Trimless Mud Ring)

### Accessories (Order Separately)

LH63	(Black Accessory Holder)
LH63W	(White Accessory Holder)
PFL2-63	(Linear Spread Lens)
PFL4-63	(Solite Soft Focus Lens)
PFLMB-63	(Black Hex Louver)

### Notes:

- Available in 120V only; not available with L9
- Lutron® dimming not available in L9
- DMX512 RDM not available with L1 & L2
- 14° Optic not available in L8 & L9
- EM20 only available for L4 to L9
- Consult factory for lead times
- Self Flanged White (-SFW) not available with White or Black Reflector Finish
- Trimless options are for use with mud ring accessory only

GRAVITY L/M8317.26 P-1

INTENSE LIGHTING | 725 Landwehr Road, Northbrook, IL 60062 | tel 714 630-9877

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 847 559-5500.

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JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

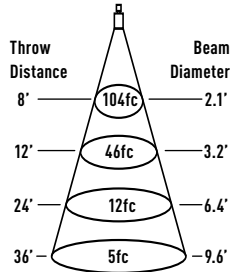
## GD4DRL1 IRD400HZ

Report #: ILL20181221-2.001  
ILL20181212-2.001  
ILL20181212-5.001  
ILL20181212-8.002  
ILL20181212-11.001

### CCT MULTIPLIERS:

	<b>82 CRI</b>	<b>92 CRI</b>
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)

### -NS (14° Narrow Spot)

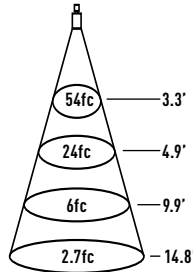


Footcandles at Nadir

Watts: 10      LPW: 83.4  
Lumens: 834      CCT: 3000K

Luminance	
Degree	CBCP
0°	6635
5°	4992
15°	770
25°	394
35°	40
45°	20

### -SP (20° Spot)

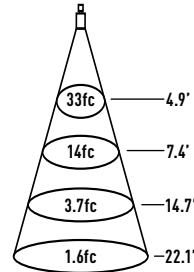


Footcandles at Nadir

Watts: 10      LPW: 88.4  
Lumens: 884      CCT: 3000K

Luminance	
Degree	CBCP
0°	3461
5°	3073
15°	1156
25°	454
35°	70
45°	30

### -NF (30° Narrow Flood)

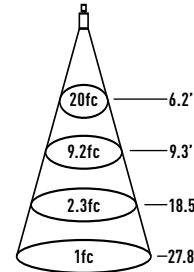


Footcandles at Nadir

Watts: 10      LPW: 87.9  
Lumens: 879      CCT: 3000K

Luminance	
Degree	CBCP
0°	2128
5°	1984
15°	1227
25°	552
35°	102
45°	33

### -FL (40° Flood)

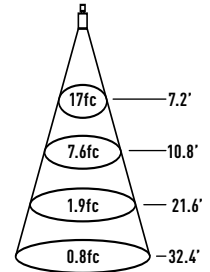


Footcandles at Nadir

Watts: 10      LPW: 78.4  
Lumens: 784      CCT: 3000K

Luminance	
Degree	CBCP
0°	1328
5°	1269
15°	923
25°	488
35°	172
45°	62

### -WF (50° Wide Flood)



Footcandles at Nadir

Watts: 10      LPW: 78.9  
Lumens: 789      CCT: 3000K

Luminance	
Degree	CBCP
0°	1097
5°	1069
15°	869
25°	516
35°	201
45°	71

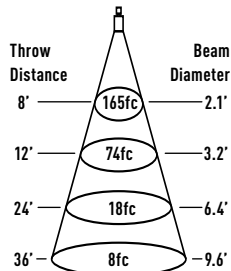
## GD4DRL2 IRD400HZ

Report #: ILL20181221-2.002  
ILL20181212-2.002  
ILL20181212-5.002  
ILL20181212-8.002  
ILL20181212-11.002

### CCT MULTIPLIERS:

	<b>82 CRI</b>	<b>92 CRI</b>
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)

### -NS (14° Narrow Spot)

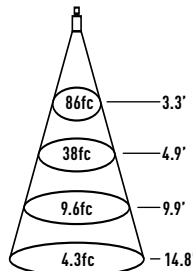


Footcandles at Nadir

Watts: 14      LPW: 95  
Lumens: 1330      CCT: 3000K

Luminance	
Degree	CBCP
0°	10579
5°	7960
15°	1228
25°	629
35°	63
45°	31

### -SP (20° Spot)

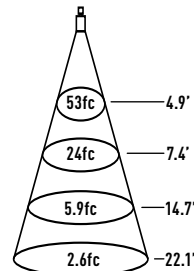


Footcandles at Nadir

Watts: 14      LPW: 100.7  
Lumens: 1410      CCT: 3000K

Luminance	
Degree	CBCP
0°	5518
5°	4901
15°	1843
25°	724
35°	111
45°	47

### -NF (30° Narrow Flood)

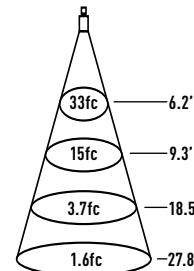


Footcandles at Nadir

Watts: 14      LPW: 100.7  
Lumens: 1402      CCT: 3000K

Luminance	
Degree	CBCP
0°	3394
5°	3163
15°	1956
25°	881
35°	163
45°	53

### -FL (40° Flood)

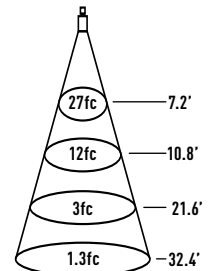


Footcandles at Nadir

Watts: 14      LPW: 89.3  
Lumens: 1250      CCT: 3000K

Luminance	
Degree	CBCP
0°	2117
5°	2024
15°	1472
25°	779
35°	274
45°	100

### -WF (50° Wide Flood)



Footcandles at Nadir

Watts: 14      LPW: 89.8  
Lumens: 1258      CCT: 3000K

Luminance	
Degree	CBCP
0°	1749
5°	1705
15°	1386
25°	822
35°	320
45°	113

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

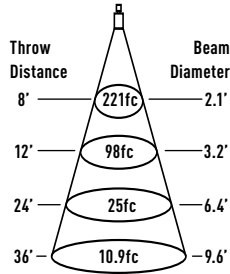
## GD4DRL3 IRD400HZ

Report #: ILL20181221-2.003  
 ILL20181212-2.003  
 ILL20181212-5.003  
 ILL20181212-8.003  
 ILL20181212-11.003

### CCT MULTIPLIERS:

	<b>82 CRI</b>	<b>92 CRI</b>
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)

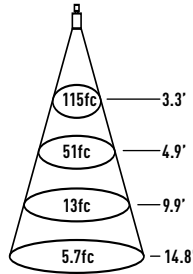
### -NS (14° Narrow Spot)



Footcandles at Nadir  
 Watts: 19      LPW: 93.7  
 Lumens: 1780      CCT: 3000K

Luminance	
Degree	CBCP
0°	14166
5°	10658
15°	1644
25°	842
35°	85
45°	42

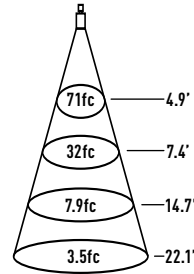
### -SP (20° Spot)



Footcandles at Nadir  
 Watts: 19      LPW: 99.3  
 Lumens: 1888      CCT: 3000K

Luminance	
Degree	CBCP
0°	7389
5°	6562
15°	2468
25°	969
35°	149
45°	63

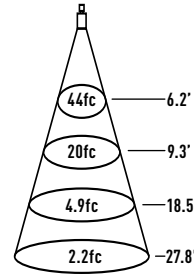
### -NF (30° Narrow Flood)



Footcandles at Nadir  
 Watts: 19      LPW: 98.8  
 Lumens: 1877      CCT: 3000K

Luminance	
Degree	CBCP
0°	4545
5°	4236
15°	2619
25°	1179
35°	219
45°	71

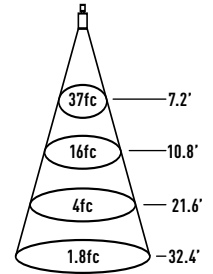
### -FL (40° Flood)



Footcandles at Nadir  
 Watts: 19      LPW: 88.1  
 Lumens: 1673      CCT: 3000K

Luminance	
Degree	CBCP
0°	2835
5°	2710
15°	1970
25°	1042
35°	367
45°	133

### -WF (50° Wide Flood)



Footcandles at Nadir  
 Watts: 19      LPW: 88.6  
 Lumens: 1684      CCT: 3000K

Luminance	
Degree	CBCP
0°	2341
5°	2282
15°	1855
25°	1101
35°	428
45°	151

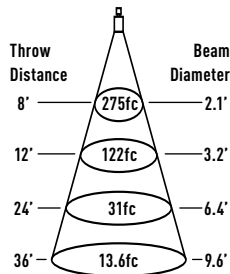
## GD4DRL4 IRD400HZ

Report #: ILL20181221-2.004  
 ILL20181212-2.004  
 ILL20181212-5.004  
 ILL20181212-8.004  
 ILL20181213-11.004

### CCT MULTIPLIERS:

	<b>82 CRI</b>	<b>92 CRI</b>
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)

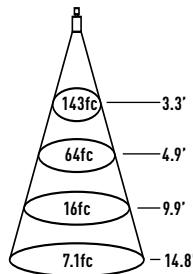
### -NS (14° Narrow Spot)



Footcandles at Nadir  
 Watts: 24      LPW: 92  
 Lumens: 2208      CCT: 3000K

Luminance	
Degree	CBCP
0°	17573
5°	13221
15°	2039
25°	1044
35°	105
45°	52

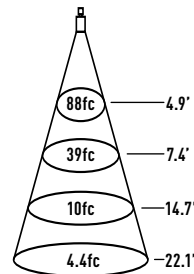
### -SP (20° Spot)



Footcandles at Nadir  
 Watts: 24      LPW: 97.6  
 Lumens: 2342      CCT: 3000K

Luminance	
Degree	CBCP
0°	9166
5°	8140
15°	3062
25°	1202
35°	185
45°	78

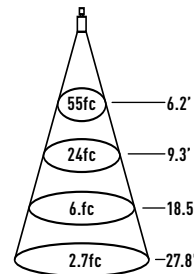
### -NF (30° Narrow Flood)



Footcandles at Nadir  
 Watts: 24      LPW: 97  
 Lumens: 2328      CCT: 3000K

Luminance	
Degree	CBCP
0°	5638
5°	5255
15°	3249
25°	1463
35°	271
45°	88

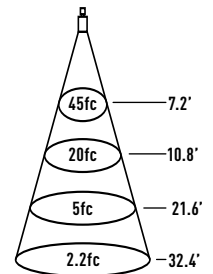
### -FL (40° Flood)



Footcandles at Nadir  
 Watts: 24      LPW: 86.5  
 Lumens: 2076      CCT: 3000K

Luminance	
Degree	CBCP
0°	3517
5°	3362
15°	2444
25°	1293
35°	455
45°	165

### -WF (50° Wide Flood)



Footcandles at Nadir  
 Watts: 24      LPW: 87  
 Lumens: 2089      CCT: 3000K

Luminance	
Degree	CBCP
0°	2905
5°	2831
15°	2302
25°	1365
35°	531
45°	187