

# GD4DRR / IRDR402

## 4" Gravity LED Remodel Downlight with Regressed Lens - Wet Location

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

### 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	800lm	10W	80 lm/W	L6	3000lm	34W	88 lm/W
L2	1300lm	14W	93 lm/W	L7	3500lm	41W	85 lm/W
L3	1800lm	19W	95 lm/W	L8	4000lm	46W	87 lm/W
L4	2200lm	24W	92 lm/W	L9	4500lm	56W	80 lm/W
L5	2700lm	29W	93 lm/W				

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

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

### 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 gauge 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.

### OPTICS

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

### REFLECTOR

Specification grade reflector with 1.5mm thickness. Reflector available in clear, haze or white 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

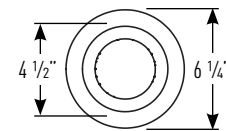
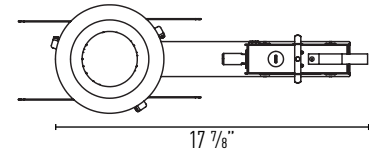
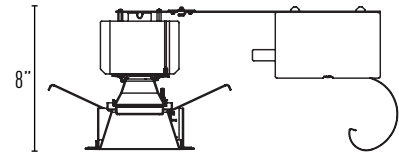
The luminaire is type Non-IC. Insulation must be kept at a minimum of 3" away from fixture. Accommodates ceiling thickness from 1/2" to 1 1/2". Swing out lugs for installation from below the ceiling. Max. ambient temperature: 95°F (35°C).

### LISTING / WARRANTY

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



Gravity™



Ceiling Cut Out: 5 1/2"  
Maximum Ceiling Thickness: 1 1/2"  
Minimum Ceiling Thickness: 1/2"

### Housing Part Number (Example: GD4DRRL230-D101-NS)

Housing	Wattage	CCT / CRI	Dimming	Voltage	Optic
GD4DRR	L1 (10W)	27 (2700K / 82 CRI)	-DIM <sup>1</sup> (Phase Dimming)	blank (120V)	-NS <sup>4</sup> (14° Narrow Spot)
	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%)	34 <sup>5</sup> (347V)	-NF (30° Narrow Flood)
	L4 (24W)	309 (3000K / 92 CRI)	-ED10V01 (eldoLED 0-10V 0.1%)		-FL (40° Flood)
	L5 (29W)	35 (3500K / 82 CRI)	-LUT <sup>2</sup> (Lutron® LDE1 EcoSystem 1%)		-WF (50° Wide Flood)
	L6 (34W)	359 (3500K / 92 CRI)	-LUT2 <sup>1,2</sup> (Lutron® LDE1 EcoSystem 1%)		
	L7 (41W)	40 (4000K / 82 CRI)	-DMXR <sup>3</sup> (DMX512 RDM 0.1%)		
	L8 (46W)	409 (4000K / 92 CRI)			
	L9 (56W)				

### Reflector Part Number (Example: IRDR402HZ-SF-CR)

Reflector	Reflector Finish	Trim Type	Lens Type
IRDR402	HZ (Haze)	-SF (Self Flanged)	-CR (Clear Tempered)
	W (White)	-SFW (Self Flanged White)	-SL (Solite)
	C (Clear)		
	B <sup>5</sup> (Black)		
	WHT <sup>5</sup> (Wheat)		

### Notes:

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

DOWNLIGHTING-GRAVITY L/M-0318-20 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	

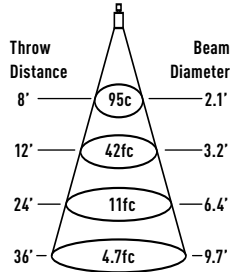
## GD4DRR1 IRD402HZ

Report #: ILL20181221-5.001  
 ILL20181213-2.001  
 ILL20181213-5.001  
 ILL20181213-8.001  
 ILL20181213-11.001

### 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)



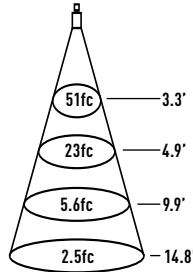
Footcandles at Nadir

Watts: 10    LPW: 79.4  
 Lumens: 794    CCT: 3000K

#### Luminance

Degree	CBCP
0°	6053
5°	4582
15°	737
25°	384
35°	43
45°	21

### -SP (20° Spot)



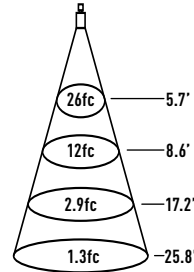
Footcandles at Nadir

Watts: 10    LPW: 84.4  
 Lumens: 844    CCT: 3000K

#### Luminance

Degree	CBCP
0°	3233
5°	2871
15°	1090
25°	441
35°	72
45°	30

### -NF (30° Narrow Flood)



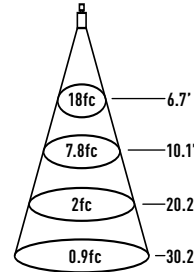
Footcandles at Nadir

Watts: 10    LPW: 84.1  
 Lumens: 841    CCT: 3000K

#### Luminance

Degree	CBCP
0°	1677
5°	1569
15°	1065
25°	585
35°	137
45°	40

### -FL (40° Flood)



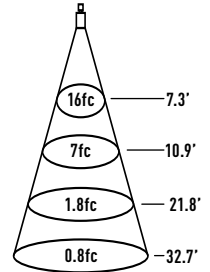
Footcandles at Nadir

Watts: 10    LPW: 74.6  
 Lumens: 746    CCT: 3000K

#### Luminance

Degree	CBCP
0°	1128
5°	1087
15°	834
25°	476
35°	181
45°	67

### -WF (50° Wide Flood)



Footcandles at Nadir

Watts: 10    LPW: 75.2  
 Lumens: 752    CCT: 3000K

#### Luminance

Degree	CBCP
0°	1022
5°	997
15°	813
25°	491
35°	196
45°	71

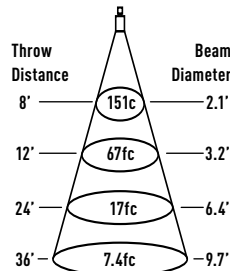
## GD4DRR2 IRD402HZ

Report #: ILL20181221-5.002  
 ILL20181213-2.002  
 ILL20181213-5.002  
 ILL20181213-8.002  
 ILL20181213-11.002

### 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)



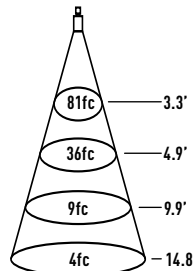
Footcandles at Nadir

Watts: 14    LPW: 90.5  
 Lumens: 1267    CCT: 3000K

#### Luminance

Degree	CBCP
0°	9652
5°	7307
15°	1175
25°	612
35°	69
45°	33

### -SP (20° Spot)



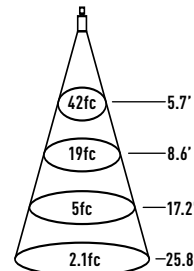
Footcandles at Nadir

Watts: 14    LPW: 96.2  
 Lumens: 1346    CCT: 3000K

#### Luminance

Degree	CBCP
0°	5156
5°	4578
15°	1738
25°	703
35°	115
45°	48

### -NF (30° Narrow Flood)



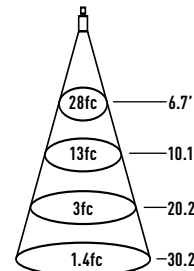
Footcandles at Nadir

Watts: 14    LPW: 95.8  
 Lumens: 1341    CCT: 3000K

#### Luminance

Degree	CBCP
0°	2674
5°	2502
15°	1698
25°	933
35°	218
45°	64

### -FL (40° Flood)



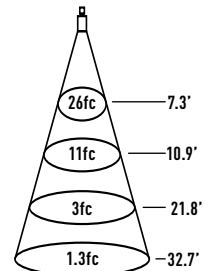
Footcandles at Nadir

Watts: 14    LPW: 85  
 Lumens: 1190    CCT: 3000K

#### Luminance

Degree	CBCP
0°	1798
5°	1734
15°	1330
25°	759
35°	289
45°	106t

### -WF (50° Wide Flood)



Footcandles at Nadir

Watts: 14    LPW: 85.6  
 Lumens: 1199    CCT: 3000K

#### Luminance

Degree	CBCP
0°	1630
5°	1589
15°	1296
25°	782
35°	313
45°	113

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

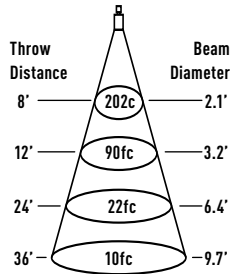
## GD4DRR3 IRD402HZ

Report #: ILL20181221-5.003  
 ILL20181213-2.003  
 ILL20181213-5.003  
 ILL20181213-8.003  
 ILL20181213-11.003

### 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)

### -NS (14° Narrow Spot)



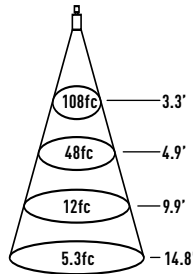
Footcandles at Nadir

Watts: 19      LPW: 89.3  
 Lumens: 1696      CCT: 3000K

#### Luminance

Degree	CBCP
0°	12924
5°	9783
15°	1573
25°	819
35°	92
45°	45

### -SP (20° Spot)



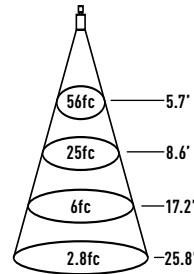
Footcandles at Nadir

Watts: 19      LPW: 94.9  
 Lumens: 1803      CCT: 3000K

#### Luminance

Degree	CBCP
0°	6904
5°	6130
15°	2327
25°	942
35°	154
45°	64

### -NF (30° Narrow Flood)



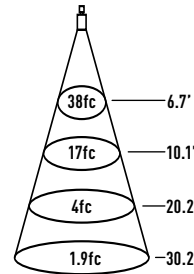
Footcandles at Nadir

Watts: 19      LPW: 94.5  
 Lumens: 1795      CCT: 3000K

#### Luminance

Degree	CBCP
0°	3581
5°	3349
15°	2274
25°	1250
35°	292
45°	85

### -FL (40° Flood)



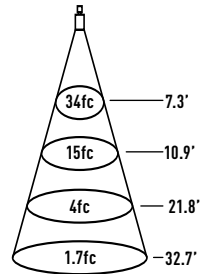
Footcandles at Nadir

Watts: 19      LPW: 83.9  
 Lumens: 1593      CCT: 3000K

#### Luminance

Degree	CBCP
0°	2408
5°	2322
15°	1780
25°	1016
35°	387
45°	142

### -WF (50° Wide Flood)



Footcandles at Nadir

Watts: 19      LPW: 84.5  
 Lumens: 1605      CCT: 3000K

#### Luminance

Degree	CBCP
0°	2183
5°	2128
15°	1736
25°	1048
35°	419
45°	152

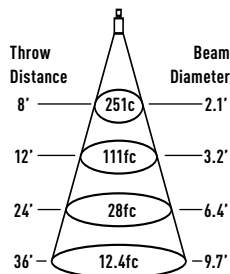
## GD4DRR4 IRD402HZ

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

### 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)

### -NS (14° Narrow Spot)



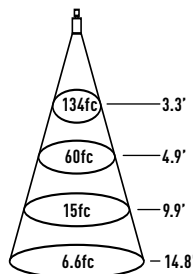
Footcandles at Nadir

Watts: 24      LPW: 87.7  
 Lumens: 2104      CCT: 3000K

#### Luminance

Degree	CBCP
0°	16033
5°	12136
15°	1951
25°	1016
35°	115
45°	55

### -SP (20° Spot)



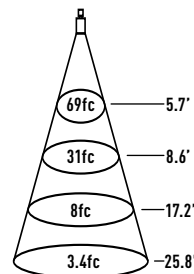
Footcandles at Nadir

Watts: 24      LPW: 93.2  
 Lumens: 2236      CCT: 3000K

#### Luminance

Degree	CBCP
0°	8564
5°	7604
15°	2887
25°	1168
35°	190
45°	79

### -NF (30° Narrow Flood)



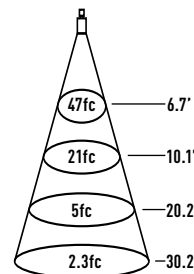
Footcandles at Nadir

Watts: 24      LPW: 92.8  
 Lumens: 2227      CCT: 3000K

#### Luminance

Degree	CBCP
0°	4442
5°	4155
15°	2821
25°	1550
35°	362
45°	106

### -FL (40° Flood)



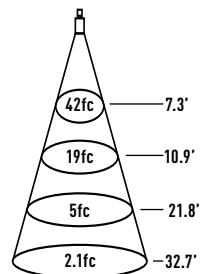
Footcandles at Nadir

Watts: 24      LPW: 82.4  
 Lumens: 1977      CCT: 3000K

#### Luminance

Degree	CBCP
0°	2987
5°	2880
15°	2209
25°	1260
35°	481
45°	177

### -WF (50° Wide Flood)



Footcandles at Nadir

Watts: 24      LPW: 83  
 Lumens: 1991      CCT: 3000K

#### Luminance

Degree	CBCP
0°	2708
5°	2640
15°	2153
25°	1300
35°	519
45°	188