

# 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

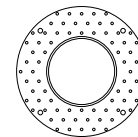
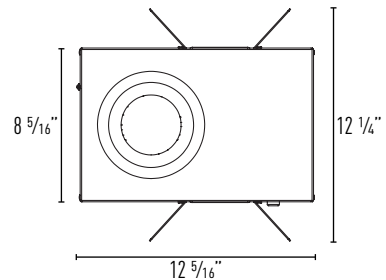
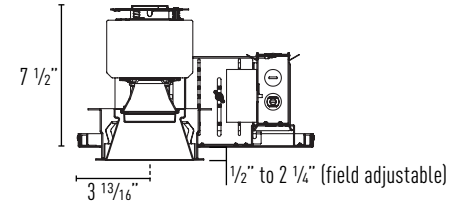
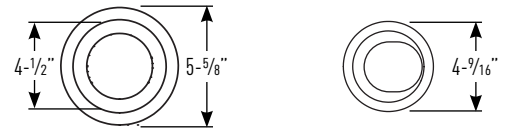
Luminaire will accommodate (2) accessories, accessory holder required.

### 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 IOTA part #ILB-CP07-A)               |
|         | L2 (15W) | 279 (2700K / 92 CRI) | -D101 (0-10V Dimming 1%)                      | 27 (277V)              | -SP (20° Spot)                     |   |
|         | 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 Bodine part #BSL20LV) |
|         | L4 (25W) | 309 (3000K / 92 CRI) | -ED10V01 (eldoLED 0-10V 0.1%)                 |                        | -FL (40° Flood)                    |   |
|         | 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
- 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/M010/24 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           |  |

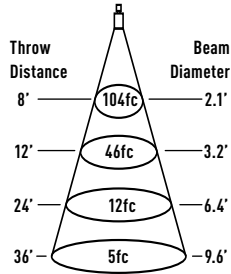
## GD4DRL1 IRD400HZ

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)      |

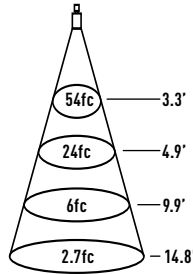
### -NS (14° Narrow Spot)



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   |

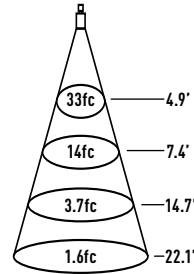
### -SP (20° Spot)



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   |

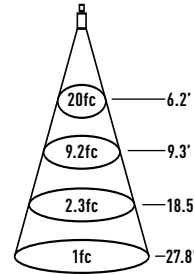
### -NF (30° Narrow Flood)



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   |

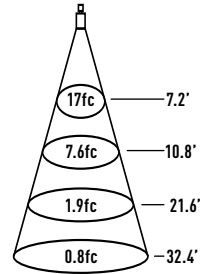
### -FL (40° Flood)



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   |

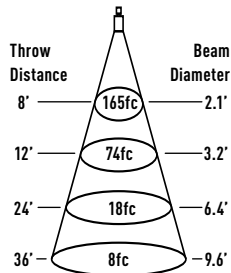
## GD4DRL2 IRD400HZ

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)      |

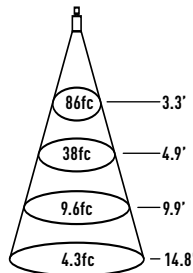
### -NS (14° Narrow Spot)



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    |

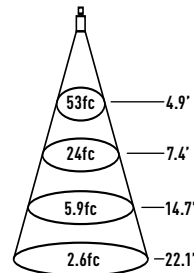
### -SP (20° Spot)



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   |

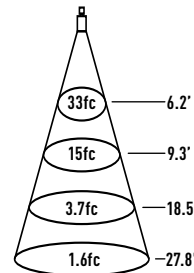
### -NF (30° Narrow Flood)



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   |

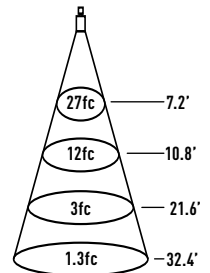
### -FL (40° Flood)



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           |  |

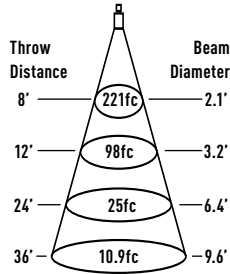
## GD4DRL3 IRD400HZ

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)

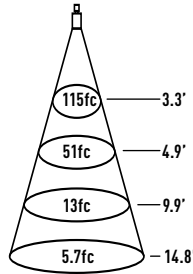


Footcandles at Nadir

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)

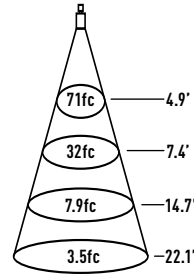


Footcandles at Nadir

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)

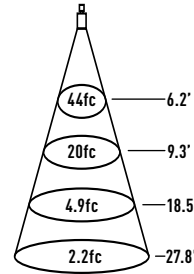


Footcandles at Nadir

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)

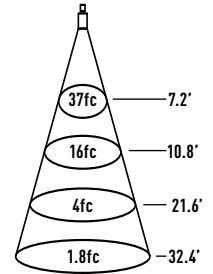


Footcandles at Nadir

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  |

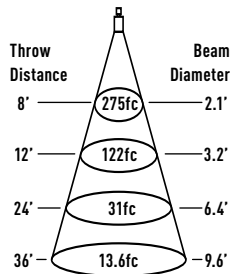
## GD4DRL4 IRD400HZ

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)

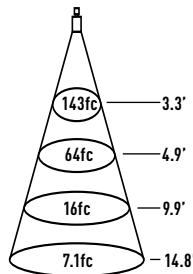


Footcandles at Nadir

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)

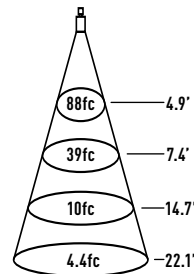


Footcandles at Nadir

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)

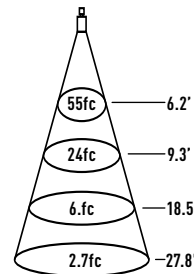


Footcandles at Nadir

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)

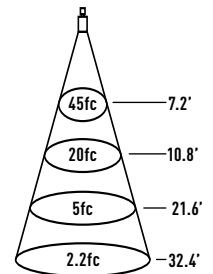


Footcandles at Nadir

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  |