

GD4DR / IRD402

4" Gravity LED Lensed Downlight - 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 | 900lm | 12W | 75 lm/W | L6 | 3400lm | 37W | 92 lm/W |
| L2 | 1450lm | 15W | 97 lm/W | L7 | 3900lm | 44W | 89 lm/W |
| L3 | 1900lm | 20W | 95 lm/W | L8 | 4300lm | 48W | 90 lm/W |
| L4 | 2400lm | 25W | 96 lm/W | L9 | 4800lm | 55W | 87 lm/W |
| L5 | 2900lm | 31W | 94 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 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. 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

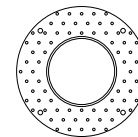
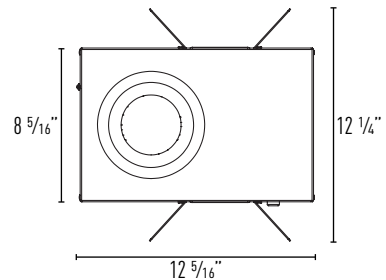
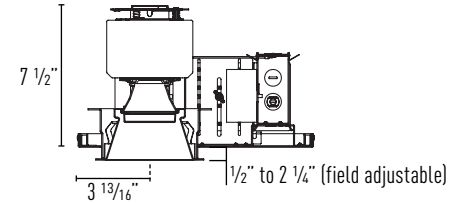
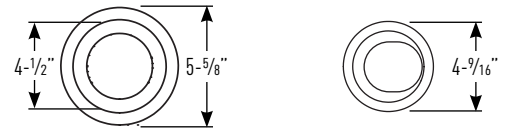
The luminaire is type Non-IC. Insulation must be kept at a minimum of 3" away from fixture. Accommodates ceiling thickness from 1/2" to 2 1/4". Universal mounting brackets included. Compatible with C-channel, flat bar, wood joist bar hanger and EMT. Bar hangers must be ordered separately. C-channel is 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 400 lumens for 90 minutes (EM7), or 20W at a minimum of 1200 lumens for 90 minutes (EM20).

LISTING / WARRANTY

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



Trimless Mud Ring:

Perforated collar for seamless and trimless mounting. Must be ordered separately and can only be used in conjunction with trimless trims.

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

| Housing | Wattage | CCT / CRI | Dimming | Voltage | Optic | Options |
|---------|----------|----------------------|---|------------------------|------------------------------------|--|
| GD4DR | L1 (12W) | 27 (2700K / 82 CRI) | -DIM ¹ (Phase Dimming) | blank (120V) | -NS ⁴ (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 ⁶ (347V) | -NF (30° Narrow Flood) | EM20 ⁵ (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 ² (Lutron® LDE1 EcoSystem 1%) | | -WF (50° Wide Flood) | |
| | L6 (37W) | 359 (3500K / 92 CRI) | -DMXR ³ (DMX512 RDM 0.1%) | | | |
| | L7 (44W) | 40 (4000K / 82 CRI) | | | | |
| | L8 (48W) | 409 (4000K / 92 CRI) | | | | |
| | L9 (55W) | | | | | |

Reflector Part Number: (Example: IRD402HZ-SF-CR)

| Reflector | Reflector Finish | Trim | Lens Type |
|-----------|--------------------------|---|----------------------|
| IRD402 | HZ (Haze) | -SF (Self Flanged) | -CR (Clear Tempered) |
| | W (White) | -SFW ⁷ (Self Flanged White) | -SL (Solite) |
| | C (Clear) | blank ⁸ (Trimless, for use with mud ring only) | |
| | B ^{6,7} (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 ⁸ | (Round Trimless Mud Ring) |
|----------------------|---------------------------|

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/M0410/24 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. For a printed copy of the warranty, you may call 800 961-5321.

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| | | | |
|----------|--|----------------|--|
| JOB NAME | | CATALOG NUMBER | |
| NOTES | | TYPE | |

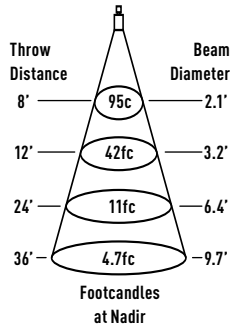
GD4DRL1 IRD402HZ

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

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) |

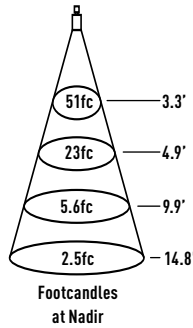
-NS (14° Narrow Spot)



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

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

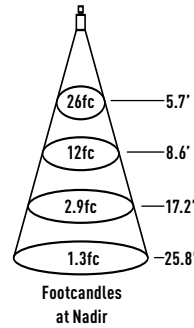
-SP (20° Spot)



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

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

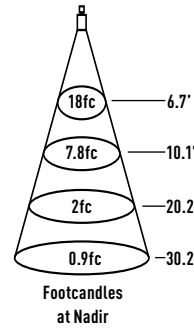
-NF (30° Narrow Flood)



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

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

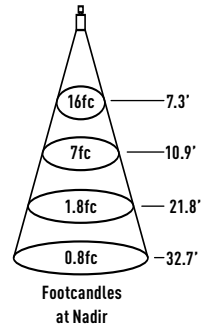
-FL (40° Flood)



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)



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

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

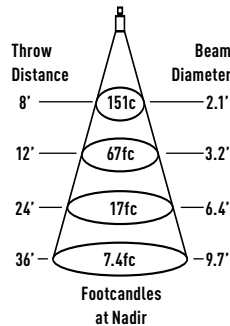
GD4DRL2 IRD402HZ

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

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) |

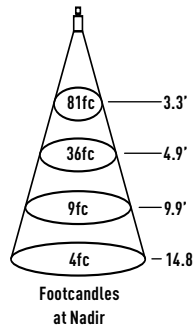
-NS (14° Narrow Spot)



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

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

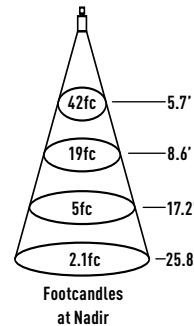
-SP (20° Spot)



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

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

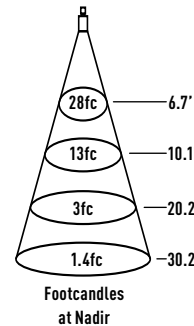
-NF (30° Narrow Flood)



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

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

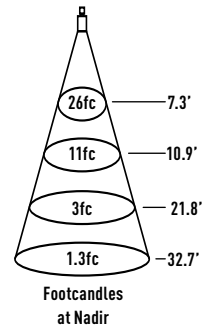
-FL (40° Flood)



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)



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 | |

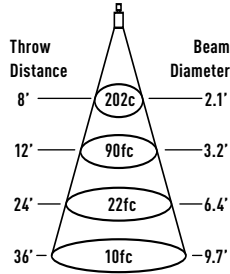
GD4DRL3 IRD402HZ

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)



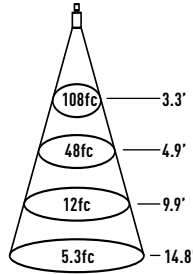
Footcandles at Nadir

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)



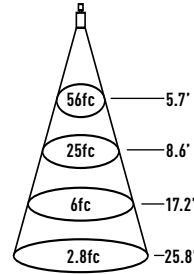
Footcandles at Nadir

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)



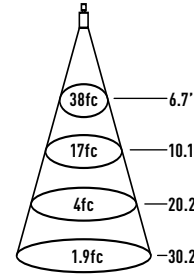
Footcandles at Nadir

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)



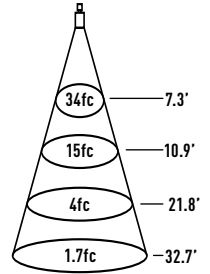
Footcandles at Nadir

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 |

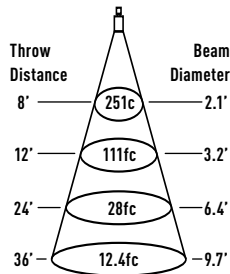
GD4DRL4 IRD402HZ

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)



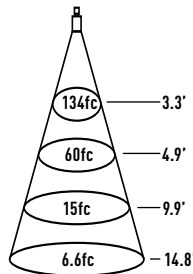
Footcandles at Nadir

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)



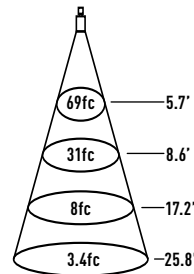
Footcandles at Nadir

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)



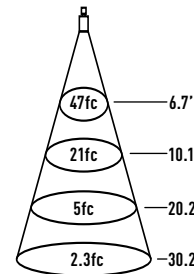
Footcandles at Nadir

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)



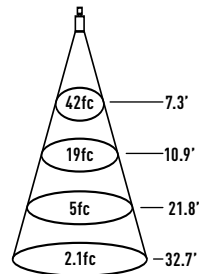
Footcandles at Nadir

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 |