GDS4DR / IRDS402

4" Gravity LED Shallow Lensed Downlight - Wet Location

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

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	1000lm	10W	104 lm/W	L5	3100lm	29W	108 lm/W
L2	1500lm	14W	111 lm/W	L6	3500lm	34W	104 lm/W
L3	2000lm	19W	108 lm/W	L7	4200lm	41W	103 lm/W
L4	2500lm	24W	106 lm/W	L8	4700lm	46W	103 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

- 10W, 14W, 19W, 24W, 29W, 34W, 41W & 46W
- 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%

OPTICS

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

ELECTRICAL SYSTEM

- 120V/277V 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, black or wheat 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 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 500 lumens for 90 minutes (EM7), or 20W at a minimum of 1550 lumens for 90 minutes (EM20).

LISTING / WARRANTY

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

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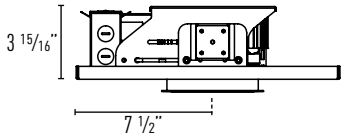

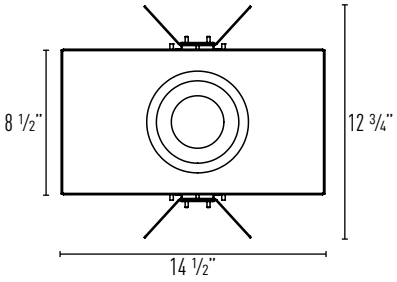

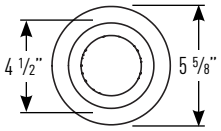

Ceiling Cut Out: 5 1/4"
Maximum Ceiling Thickness: 1 1/4"
Minimum Ceiling Thickness: 5/8"

Housing Part Number (Example: GDS4DRL230-D101-NS)

Housing	Wattage	CCT / CRI	Dimming	Voltage	Optic	Options
GDS4DR	☐ L1 (10W) ☐ L2 (14W) ☐ L3 (19W) ☐ L4 (24W) ☐ L5 (29W) ☐ L6 (34W) ☐ L7 (41W) ☐ L8 (46W)	☐ 27 (2700K / 82 CRI) ☐ 279 (2700K / 92 CRI) ☐ 30 (3000K / 82 CRI) ☐ 309 (3000K / 92 CRI) ☐ 35 (3500K / 82 CRI) ☐ 359 (3500K / 92 CRI) ☐ 40 (4000K / 82 CRI) ☐ 409 (4000K / 92 CRI)	☐ -DIM[1] (Phase Dimming) ☐ -D101 (0-10V Dimming 1%) ☐ -ED10V1 (eldoLED 0-10V 1%) ☐ -ED10V01 (eldoLED 0-10V 0.1%) ☐ -LUT (Lutron® LDE1 EcoSystem 1%) ☐ -LUT2[1] (Lutron® LTEA2W 2-Wire 1%) ☐ -DMXR[2] (DMX512 RDM 0.1%)	☐ blank (120V) ☐ 27 (277V)	☐ -NS[3] (14° Narrow Spot) ☐ -SP (20° Spot) ☐ -NF (30° Narrow Flood) ☐ -FL (40° Flood) ☐ -WF (50° Wide Flood)	☐ EM7 (7W Emergency Backup IOTA part #ILB-CP07-A) ☐ EM20 (20W Emergency Backup w/ Remote Test Switch IOTA ILB-CP20-HE-S)

Reflector Part Number (Example: IRDS402HZ-SF-CR)

Reflector	Reflector Finish	Trim Type	Lens Type	Accessories
IRDS402	☐ HZ (Haze) ☐ W (White) ☐ C (Clear) ☐ B[4] (Black) ☐ WHT[4] (Wheat)	☐ -SF (Self Flanged) ☐ -SFW (Self Flanged White)	☐ -CR (Clear Tempered) ☐ -SL (Solite)	☐ I100 (C-Channel Bar Hangers) ☐ I200 (Flat Bar Hangers) ☐ I400 (Wood Joist Bar Hangers)

Notes:
1. Available in 120V only
2. DMX512 RDM not available with L1 & L2
3. 14° Optic not available in L8 & L9
4. Consult factory for lead times

INTENSE LIGHTING | 3340 E La Palma Ave, Anaheim, CA 92806 | **tel** 714 630-9877 | **fax** 714 630-9883

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JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

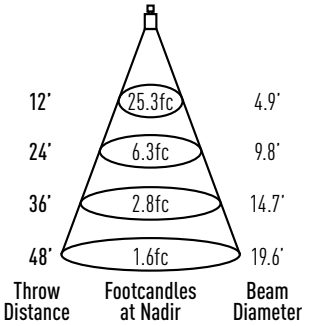
GDS4DRL130 / IRDS402HZ-CR

Report #: ILL-20191127-4.001 (-20)
ILL-20191127-10.001 (-30)
ILL-20191127-16.001 (-40)
ILL-20191127-22.001 (-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)

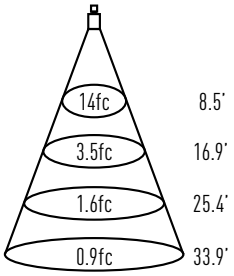
20° Spot (-20)



Watts: 10
Lumens: 1151
LPW: 115.1
CCT: 3000K

Luminance	
Degree	CBCP
0°	3642
5°	3255
15°	1200
25°	542
35°	265
45°	72

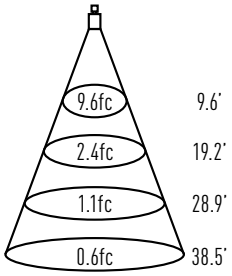
30° Narrow Flood (-30)



Watts: 10
Lumens: 1183
LPW: 118.3
CCT: 3000K

Luminance	
Degree	CBCP
0°	2017
5°	1925
15°	1315
25°	703
35°	323
45°	79

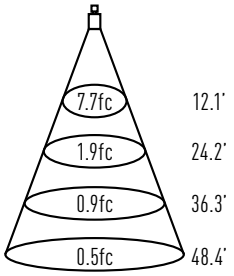
40° Flood (-40)



Watts: 10
Lumens: 1057
LPW: 105.7
CCT: 3000K

Luminance	
Degree	CBCP
0°	1378
5°	1323
15°	981
25°	565
35°	275
45°	137

50° Wide Flood (-50)



Watts: 10
Lumens: 1093
LPW: 109.3
CCT: 3000K

Luminance	
Degree	CBCP
0°	1105
5°	1086
15°	923
25°	611
35°	315
45°	154

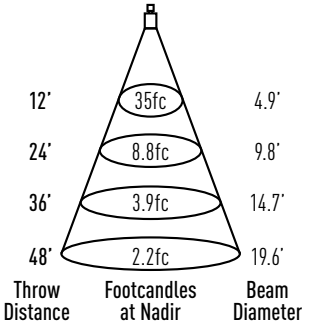
GDS4DRL230 / IRDS402HZ-CR

Report #: ILL-20191127-4.002 (-20)
ILL-20191127-10.002 (-30)
ILL-20191127-16.002 (-40)
ILL-20191127-22.002 (-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)

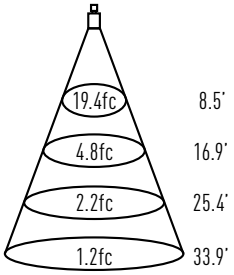
20° Spot (-20)



Watts: 14
Lumens: 1593
LPW: 90
CCT: 3000K

Luminance	
Degree	CBCP
0°	5043
5°	4507
15°	1662
25°	751
35°	367
45°	100

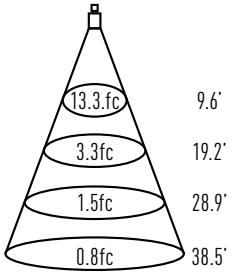
30° Narrow Flood (-30)



Watts: 14
Lumens: 1637
LPW: 86
CCT: 3000K

Luminance	
Degree	CBCP
0°	2793
5°	2666
15°	1821
25°	973
35°	447
45°	109

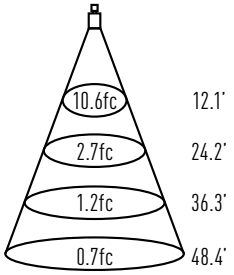
40° Flood (-40)



Watts: 14
Lumens: 1464
LPW: 74
CCT: 3000K

Luminance	
Degree	CBCP
0°	1909
5°	1832
15°	1359
25°	782
35°	381
45°	189

50° Wide Flood (-50)



Watts: 14
Lumens: 1514
LPW: 73
CCT: 3000K

Luminance	
Degree	CBCP
0°	1530
5°	1503
15°	1278
25°	847
35°	437
45°	214

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JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

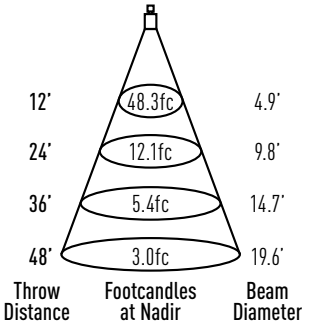
GDS4DRL330 / IRDS402HZ-CR

Report #: ILL-20191127-4.003 (-20)
ILL-20191127-10.003 (-30)
ILL-20191127-16.003 (-40)
ILL-20191127-22.003 (-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)

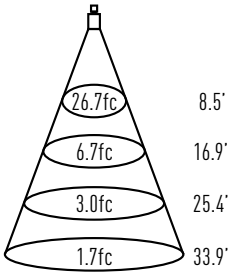
20° Spot (-20)



Watts: 19
Lumens: 2195
LPW: 90
CCT: 3000K

Luminance	
Degree	CBCP
0°	6948
5°	6209
15°	2209
25°	1035
35°	505
45°	138

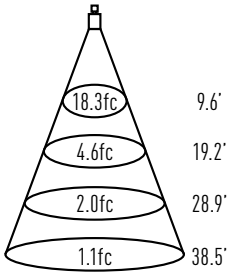
30° Narrow Flood (-30)



Watts: 19
Lumens: 2256
LPW: 86
CCT: 3000K

Luminance	
Degree	CBCP
0°	3848
5°	3673
15°	2508
25°	1341
35°	615
45°	151

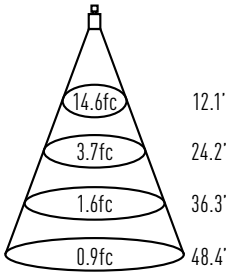
40° Flood (-40)



Watts: 19
Lumens: 2017
LPW: 74
CCT: 3000K

Luminance	
Degree	CBCP
0°	2630
5°	2525
15°	1872
25°	1078
35°	524
45°	261

50° Wide Flood (-50)



Watts: 19
Lumens: 2086
LPW: 77
CCT: 3000K

Luminance	
Degree	CBCP
0°	2108
5°	2071
15°	1761
25°	1166
35°	602
45°	295

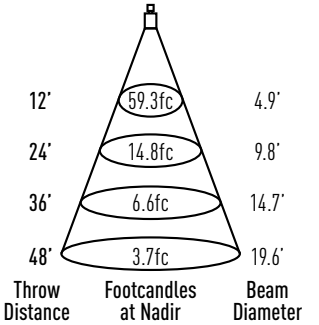
GDS4DRL430 / IRDS402HZ-CR

Report #: ILL-20191127-4.004 (-20)
ILL-20191127-10.004 (-30)
ILL-20191127-16.004 (-40)
ILL-20191127-22.004 (-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)

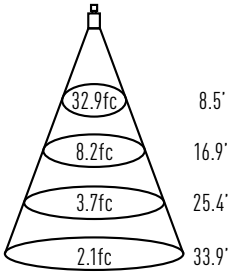
20° Spot (-20)



Watts: 24
Lumens: 2700
LPW: 112.5
CCT: 3000K

Luminance	
Degree	CBCP
0°	8545
5°	7637
15°	2816
25°	1273
35°	621
45°	170

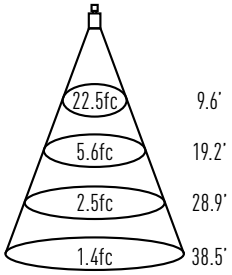
30° Narrow Flood (-30)



Watts: 24
Lumens: 2774
LPW: 115.6
CCT: 3000K

Luminance	
Degree	CBCP
0°	4732
5°	4517
15°	3085
25°	1649
35°	757
45°	185

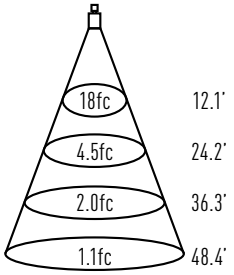
40° Flood (-40)



Watts: 24
Lumens: 2481
LPW: 103.4
CCT: 3000K

Luminance	
Degree	CBCP
0°	3234
5°	3105
15°	2302
25°	1326
35°	645
45°	321

50° Wide Flood (-50)



Watts: 24
Lumens: 2565
LPW: 106.9
CCT: 3000K

Luminance	
Degree	CBCP
0°	2592
5°	2547
15°	2165
25°	1435
35°	740
45°	362

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