

GDS4DR / IRDS402

4" Gravity Tunable White LED Shallow Lensed Downlight - Wet Location

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

ELECTRICAL DATA

LED Light Engine	Nominal Delivered Lumen*	System Wattage**
TW1	1000lm @ 3500K / 92CRI	13W
TW2	1500lm @ 3500K / 92CRI	19W
TW3	2000lm @ 3500K / 92CRI	25W
TW4	2500lm @ 3500K / 92CRI	33W

* Delivered lumen output will vary depending on CCT, CRI, optic and reflector finish | ** System Wattage includes driver and LED Module consumption.

FEATURES

- Tuning range from 2700K-6500K
- Minimum 90 CRI
- 3 SDCM binning options for both warm white (2700K) and cool white (6500K)
- Superior color mixing enabled by phosphor dispensed technology
- 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

- Wattage: 13W to 33W
- Integrated driver tunes to dimmers across multiple luminaires
- Rated life of >50,000 hours L70 based on LED testing per LM-80-08 and projected values using IESNA TM21-11
- LED is not field replaceable

DIMMING

- eldoLED Dual Drive 2CH 0-10V 0.1%
- Lutron T-Series 1% 2CH tunable white driver
- DMX512 RDM 8-bit 0.1%
- eldoLED Dual Drive DALI DT6 0.1%
- eldoLED Dual Drive DALI DT8 0.1%

OPTICS

- 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. Driver is accessible from above or below ceiling.

REFLECTOR

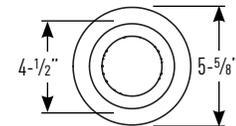
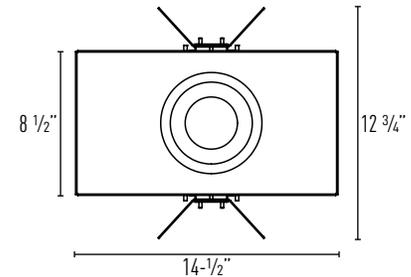
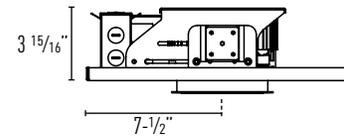
Specification grade reflector with 1.5mm thickness. Reflector available in haze, white, clear, black or wheat finish. Consult factory for other colors. Regressed lens available in two lens types; Clear Tempered or Solite. Architectural, discrete polished self flange standard. Optional painted white flange 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).

LISTING / WARRANTY

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



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

Housing Part Number: (Example: GDS4DRTW1-ED10V01-NF)

Housing	Wattage	CCT / CRI	Dimming	Voltage	Optic
GDS4DR	TW1 (13W)	blank (TunableWhite 2700K-6500K / 92 CRI)	-ED10V01 (eldoLED Dual Drive 2CH 0-10V 0.1%)	blank (120V) 27 (277V)	-SP (20° Spot)
	TW2 (19W)		-LUTT (Lutron® T Series 1%)		-NF (30° Narrow Flood)
	TW3 (25W)		-DMXR (DMX512 RDM 0.1%)		-FL (40° Flood)
	TW4 (33W)		-DALI6 (eldoLED Dual Drive DALI DT6 0.1%) -DALI8 (eldoLED Dual Drive DALI DT8 0.1%)		-WF (50° Wide Flood)

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

Reflector	Reflector Finish	Trim Type	Lens Type
IRDS402	HZ (Haze)	-SF (Self Flanged)	-CR (Clear Tempered)
	W (White)	-SFW (Self Flanged White)	-SL (Solite)
	C (Clear)		
	B⁴ (Black)		
	WHT⁴ (Wheat)		

Accessories

- I100** (Black Accessory Holder)
- I200** (White Accessory Holder)
- I400** (Solite Soft Focus Lens)

Replacement Optics

- IP-OP63SP** (20° Spot Optic)
- IP-OP63NF** (30° Narrow Flood Optic)
- IP-OP63FL** (40° Flood Optic)
- IP-OP63WF** (50° Wide Flood Optic)

Notes:
1. Consult factory for lead times

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

ELECTRICAL DATA TABLE

Lumen Package	CCT	120V	277V
TW1	2700K	15W	18W
	3500K	13W	16W
	6500K	13W	16W
TW2	2700K	23W	25W
	3500K	19W	21W
	6500K	18W	21W
TW3	2700K	30W	32W
	3500K	25W	27W
	6500K	24W	26W
TW4	2700K	41W	42W
	3500K	33W	36W
	6500K	31W	33W

*Notes: System Wattage includes driver and LED Module consumption

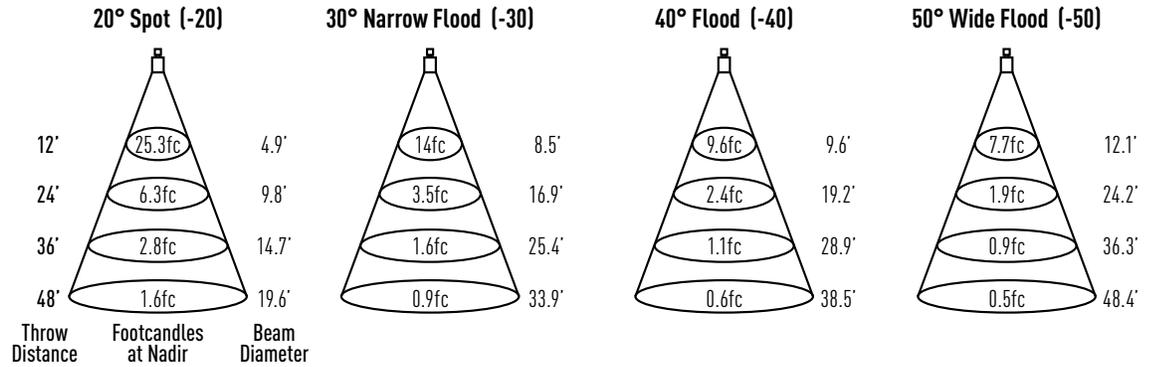
JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

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)



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

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

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

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

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

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

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

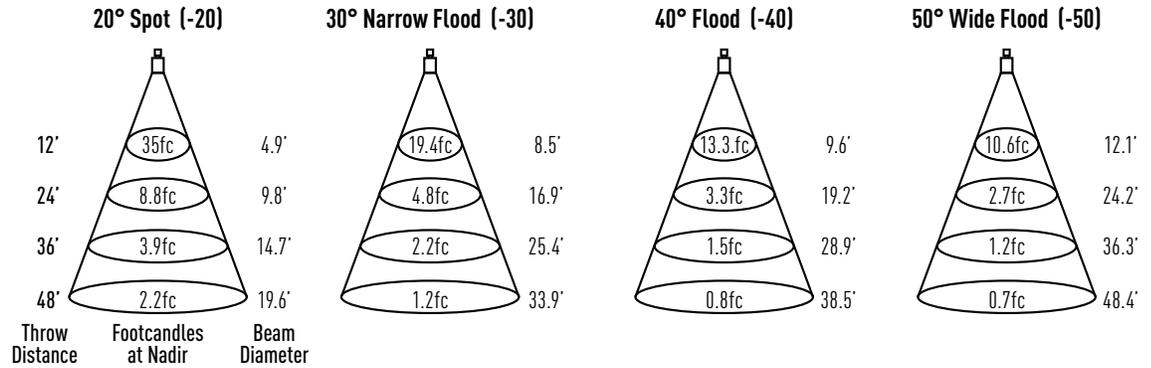
Luminance	
Degree	CBCP
0°	1105
5°	1086
15°	923
25°	611
35°	315
45°	154

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)



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

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

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

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

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

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

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

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

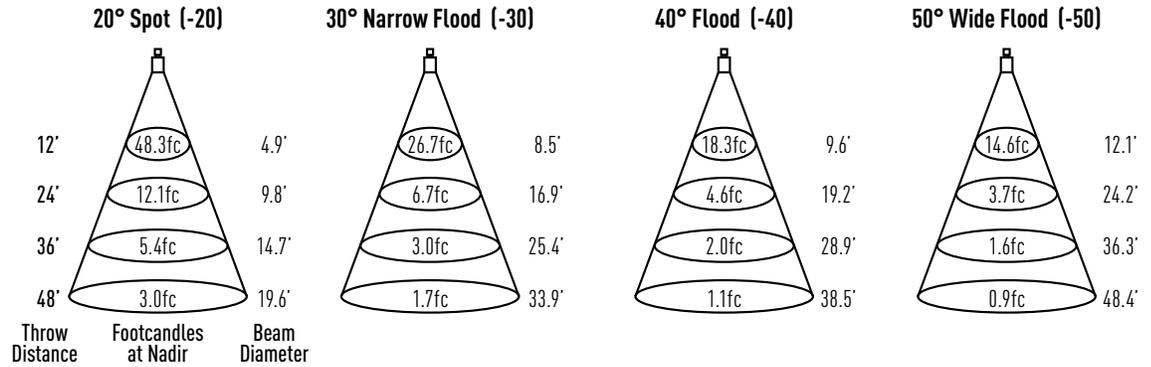
JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

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)



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

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

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

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

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

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

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

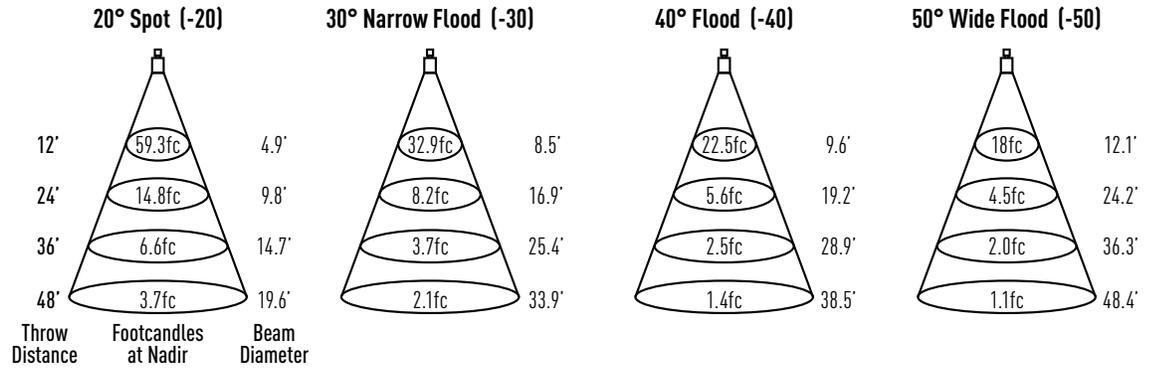
Luminance	
Degree	CBCP
0°	2108
5°	2071
15°	1761
25°	1166
35°	602
45°	295

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)



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

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

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

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

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

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

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

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