

# GD4DR / IRD400

## 4" Gravity TunableWhite LED Downlight

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
TW5	3000lm @ 3500K / 92CRI	40W

\* 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 at a minimum of 92 CRI
- 3 SDCM binning options for both warm white (2700K) and cool white (6500K)
- Adjustable collar height 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

### LED LIGHT ENGINE

- Wattage: 13W to 40W
- Rated life of >50,000 hours L70 based on LED testing per LM-80-08 and projected values using IESNA TM21-11

### 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. 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, black or wheat 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

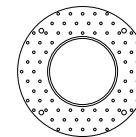
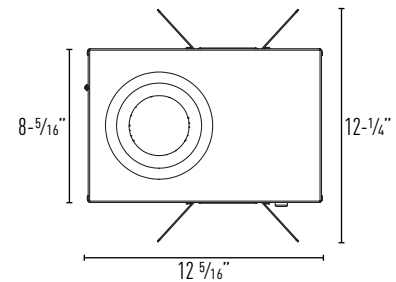
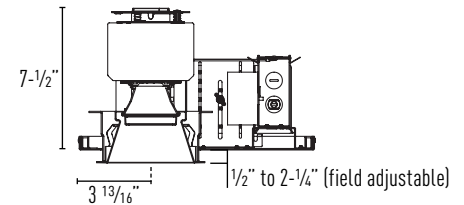
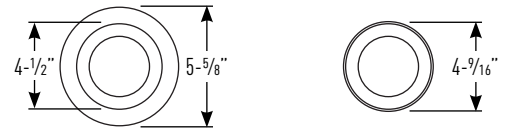
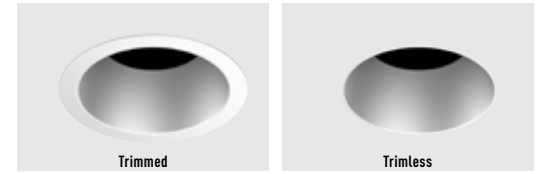
The luminaire is type Non-IC. Insulation must be kept at a minimum of 3" away from fixture. Accommodates ceiling thickness from 1/2" to 2-1/4". Universal mounting brackets included. Compatible with C-channel, flat bar, wood joist bar hanger and EMT. Bar hangers must be ordered separately. C-channel is recommended for T-bar ceilings. Max. ambient temperature: 95°F (35°C).

### 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.



**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: GD4DRTW1-ED10V01-NF)

Housing	Wattage	CCT / CRI	Dimming	Voltage	Optic
GD4DR	TW1 (13W)	blank (TunableWhite)	-ED10V01 (eldoLED Dual Drive 2CH 0-10V 0.1%)	blank (120V)	-SP (20° Spot)
	TW2 (19W)	2700K-6500K / 92 CRI	-LUTT (Lutron® T Series 1%)	27 (277V)	-NF (30° Narrow Flood)
	TW3 (25W)		-DMXR (DMX512 RDM 0.1%)		-FL (40° Flood)
	TW4 (33W)		-DALI6 (eldoLED Dual Drive DALI DT6 0.1%)		-WF (50° Wide Flood)
	TW5 (40W)		-DALI8 (eldoLED Dual Drive DALI DT8 0.1%)		

**Reflector Part Number:** (Example: IRD400HZ-SF)

Reflector	Reflector Finish	Trim
IRD400	HZ (Haze)	-SF (Self Flanged)
	W (White)	-SFW (Self Flanged White)
	C (Clear)	blank <sup>1,2</sup> (Trimless, for use with mud ring only)
	B <sup>1</sup> (Black)	
	WHT <sup>1</sup> (Wheat)	

### Accessories

LH63	(Black Accessory Holder)
LH63W	(White Accessory Holder)
PFL2-63	(Linear Spread Lens)
PFL4-63	(Solite Soft Focus Lens)
PFLMB-63	(Black Hex Louver)

### Trimless Mud Ring<sup>2</sup>

GD4R-MR <sup>2</sup>	(Round Trimless Mud Ring)
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### Bar Hangers

1100	(C-Channel Bar Hangers)
1200	(Flat Bar Hangers)
1400	(Wood Joist Bar Hangers)

### 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
2. Trimless options are for use with mud ring accessory only

GRAVITY L/M8119.22 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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intense<sup>®</sup> | a LEVITON<sup>®</sup> company  
LIGHTING

# GD4DR / IRD400

4" Gravity TunableWhite LED Downlight

<b>JOB NAME</b>		<b>CATALOG NUMBER</b>	
<b>NOTES</b>		<b>TYPE</b>	

## 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
TW5	2700K	51W	51W
	3500K	40W	43W
	6500K	42W	41W

\*Notes: System Wattage includes driver and LED Module consumption

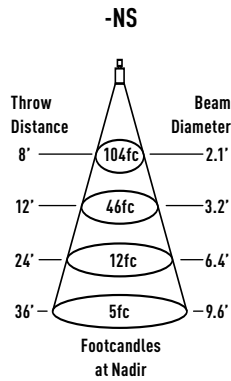
JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

## GD4DRL1 IRD400HZ

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ILL20181212-2.001  
ILL20181212-5.001  
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ILL20181212-11.001

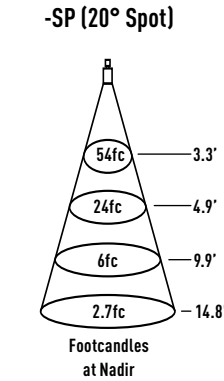
### CCT MULTIPLIERS:

	<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)



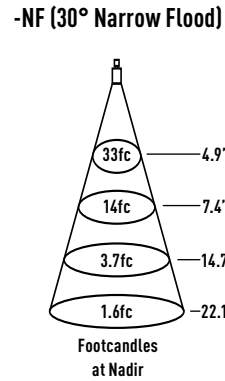
Watts: 10      LPW: 83.4  
Lumens: 834      CCT: 3000K

Luminance	
Degree	CBCP
0°	6635
5°	4992
15°	770
25°	394
35°	40
45°	20



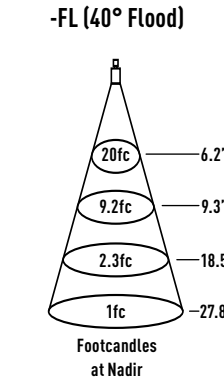
Watts: 10      LPW: 88.4  
Lumens: 884      CCT: 3000K

Luminance	
Degree	CBCP
0°	3461
5°	3073
15°	1156
25°	454
35°	70
45°	30



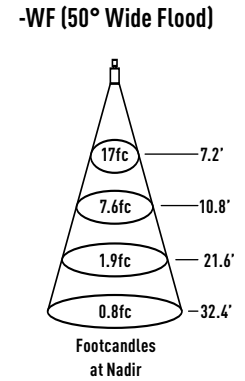
Watts: 10      LPW: 87.9  
Lumens: 879      CCT: 3000K

Luminance	
Degree	CBCP
0°	2128
5°	1984
15°	1227
25°	552
35°	102
45°	33



Watts: 10      LPW: 78.4  
Lumens: 784      CCT: 3000K

Luminance	
Degree	CBCP
0°	1328
5°	1269
15°	923
25°	488
35°	172
45°	62



Watts: 10      LPW: 78.9  
Lumens: 789      CCT: 3000K

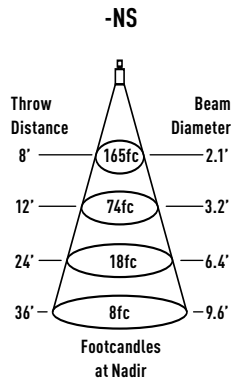
Luminance	
Degree	CBCP
0°	1097
5°	1069
15°	869
25°	516
35°	201
45°	71

## GD4DRL2 IRD400HZ

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ILL20181212-2.002  
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ILL20181212-8.002  
ILL20181212-11.002

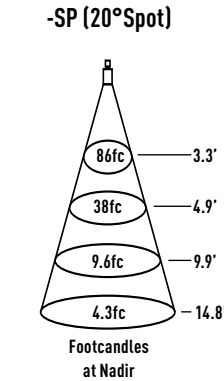
### CCT MULTIPLIERS:

	<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)



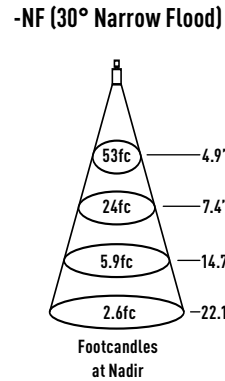
Watts: 14      LPW: 95  
Lumens: 1330      CCT: 3000K

Luminance	
Degree	CBCP
0°	10579
5°	7960
15°	1228
25°	629
35°	63
45°	31



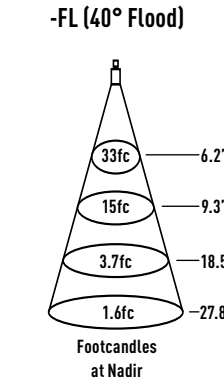
Watts: 14      LPW: 100.7  
Lumens: 1410      CCT: 3000K

Luminance	
Degree	CBCP
0°	5518
5°	4901
15°	1843
25°	724
35°	111
45°	47



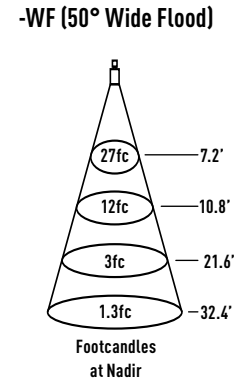
Watts: 14      LPW: 100.7  
Lumens: 1402      CCT: 3000K

Luminance	
Degree	CBCP
0°	3394
5°	3163
15°	1956
25°	881
35°	163
45°	53



Watts: 14      LPW: 89.3  
Lumens: 1250      CCT: 3000K

Luminance	
Degree	CBCP
0°	2117
5°	2024
15°	1472
25°	779
35°	274
45°	100



Watts: 14      LPW: 89.8  
Lumens: 1258      CCT: 3000K

Luminance	
Degree	CBCP
0°	1749
5°	1705
15°	1386
25°	822
35°	320
45°	113

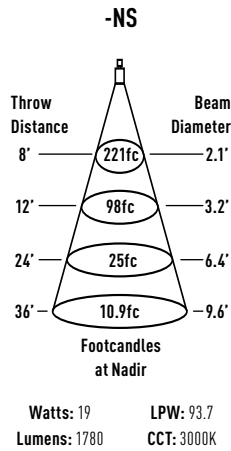
JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

## GD4DRL3 IRD400HZ

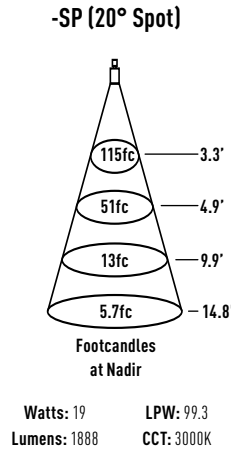
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### CCT MULTIPLIERS:

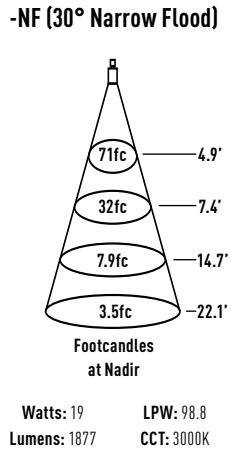
	<b>82 CRI</b>	<b>92 CRI</b>
2700K	(x 0.95)	(x 0.79)
3000K	(x 1.00)	(x 0.82)
3500K	(x 1.02)	(x 0.85)
4000K	(x 1.03)	(x 0.88)



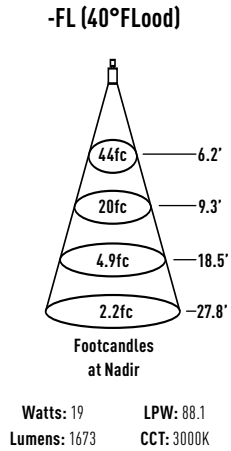
Luminance	
Degree	CBCP
0°	14166
5°	10658
15°	1644
25°	842
35°	85
45°	42



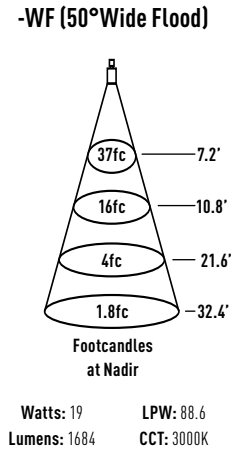
Luminance	
Degree	CBCP
0°	7389
5°	6562
15°	2468
25°	969
35°	149
45°	63



Luminance	
Degree	CBCP
0°	4545
5°	4236
15°	2619
25°	1179
35°	219
45°	71



Luminance	
Degree	CBCP
0°	2835
5°	2710
15°	1970
25°	1042
35°	367
45°	133



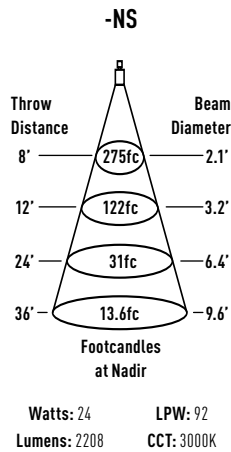
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25°	1101
35°	428
45°	151

## GD4DRL4 IRD400HZ

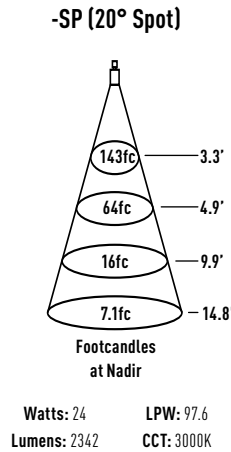
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### CCT MULTIPLIERS:

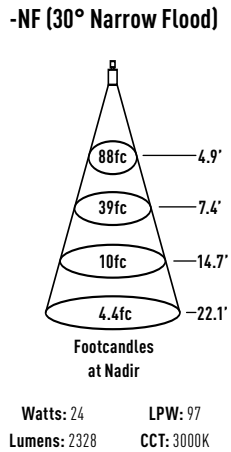
	<b>82 CRI</b>	<b>92 CRI</b>
2700K	(x 0.95)	(x 0.79)
3000K	(x 1.00)	(x 0.82)
3500K	(x 1.02)	(x 0.85)
4000K	(x 1.03)	(x 0.88)



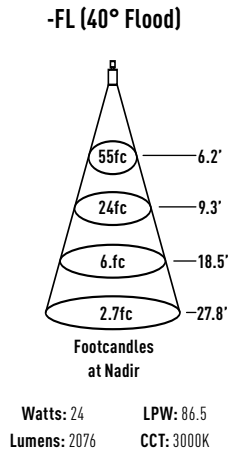
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Degree	CBCP
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25°	1044
35°	105
45°	52



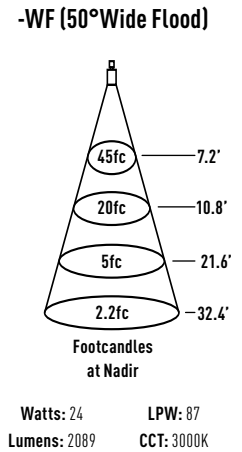
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Degree	CBCP
0°	9166
5°	8140
15°	3062
25°	1202
35°	185
45°	78



Luminance	
Degree	CBCP
0°	5638
5°	5255
15°	3249
25°	1463
35°	271
45°	88



Luminance	
Degree	CBCP
0°	3517
5°	3362
15°	2444
25°	1293
35°	455
45°	165



Luminance	
Degree	CBCP
0°	2905
5°	2831
15°	2302
25°	1365
35°	531
45°	187