

GDS4DR / IRDS400

4" Gravity Tunable White LED Shallow 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

* 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. 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).

ACCESSORIES

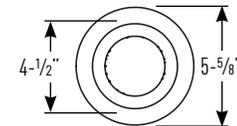
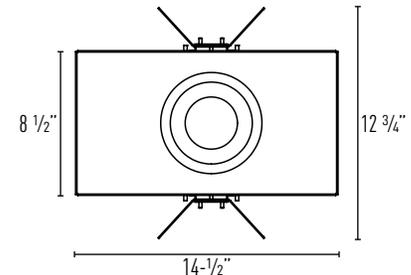
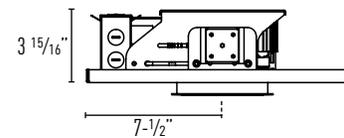
Luminaire will accommodate (2) accessories, accessory holder required.

LISTING / WARRANTY

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



Gravity™



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: IRDS400HZ-SF)

Reflector	Reflector Finish	Trim Type
IRDS400	HZ (Haze)	-SF (Self Flanged)
	W (White)	-SFW (Self Flanged White)
	C (Clear)	
	B ¹ (Black)	
	WHT ¹ (Wheat)	

Accessories

I100	(Black Accessory Holder)
I200	(White Accessory Holder)
I400	(Solite Soft Focus Lens)
LH63	(Black Hex Louver)
LH63W	(C-Channel Bar Hangers)
PFL4-63	(Flat Bar Hangers)
PFLMB-63	(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

DOWNLIGHTING-GRAVITY L/M-0313.26 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. For a printed copy of the warranty, you may call 800 961-5321.

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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

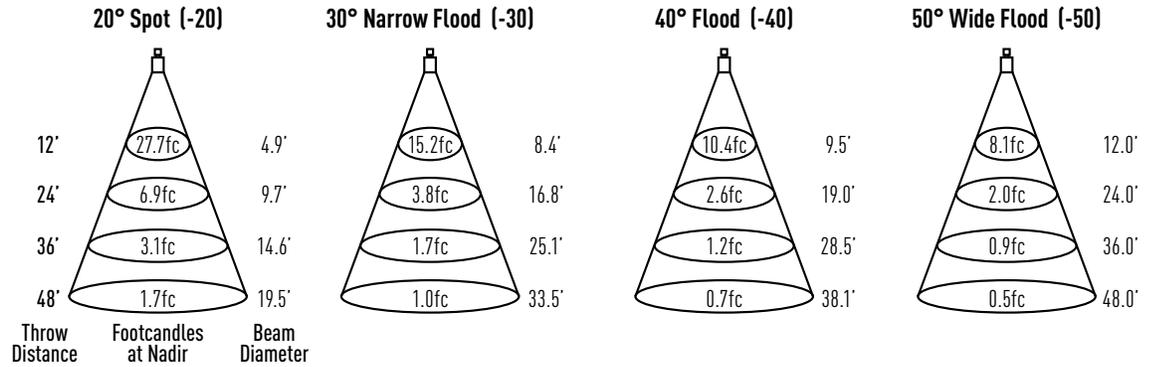
JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

GDS4DRL130 / IRDS400HZ

Report #: ILL-20191127-2.001 (-20)
 ILL-20191127-8.001 (-30)
 ILL-20191127-14.001 (-40)
 ILL-20191127-20.001 (-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: 1215
 LPW: 121.5
 CCT: 3000K

Watts: 10
 Lumens: 1234
 LPW: 123.4
 CCT: 3000K

Watts: 10
 Lumens: 1119
 LPW: 111.9
 CCT: 3000K

Watts: 10
 Lumens: 1143
 LPW: 114.3
 CCT: 3000K

Luminance	
Degree	CBCP
0°	3985
5°	3559
15°	1292
25°	575
35°	277
45°	67

Luminance	
Degree	CBCP
0°	2190
5°	2090
15°	1419
25°	748
35°	326
45°	70

Luminance	
Degree	CBCP
0°	1503
5°	1442
15°	1063
25°	605
35°	287
45°	138

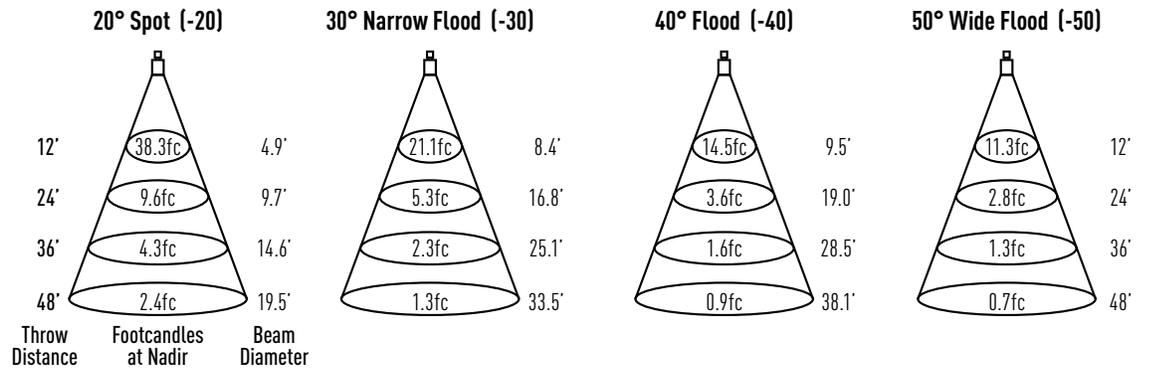
Luminance	
Degree	CBCP
0°	1173
5°	1152
15°	976
25°	642
35°	328
45°	157

GDS4DRL230 / IRDS400HZ

Report #: ILL-20191127-2.002 (-20)
 ILL-20191127-8.002 (-30)
 ILL-20191127-14.002 (-40)
 ILL-20191127-20.002 (-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: 1682
 LPW: 120.1
 CCT: 3000K

Watts: 14
 Lumens: 1709
 LPW: 122.1
 CCT: 3000K

Watts: 14
 Lumens: 1549
 LPW: 110.6
 CCT: 3000K

Watts: 14
 Lumens: 1582
 LPW: 113
 CCT: 3000K

Luminance	
Degree	CBCP
0°	5517
5°	4928
15°	1788
25°	796
35°	383
45°	93

Luminance	
Degree	CBCP
0°	3033
5°	2894
15°	1965
25°	1036
35°	451
45°	96

Luminance	
Degree	CBCP
0°	2081
5°	1997
15°	1472
25°	838
35°	397
45°	191

Luminance	
Degree	CBCP
0°	1624
5°	1595
15°	1351
25°	889
35°	455
45°	217

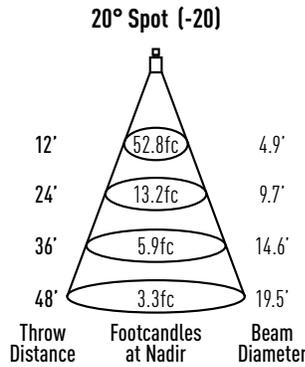
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NOTES		TYPE	

GDS4DRL330 / IRDS400HZ

Report #: ILL-20191127-2.003 (-20)
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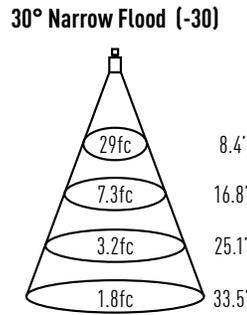
CCT MULTIPLIERS:

	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)



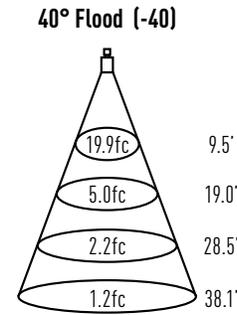
Watts: 19
 Lumens: 2318
 LPW: 122
 CCT: 3000K

Luminance	
Degree	CBCP
0°	7602
5°	6790
15°	2464
25°	1097
35°	528
45°	128



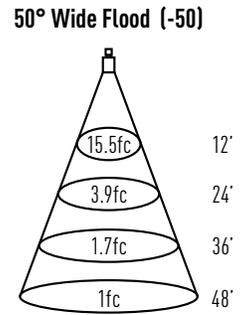
Watts: 19
 Lumens: 2354
 LPW: 123.9
 CCT: 3000K

Luminance	
Degree	CBCP
0°	4179
5°	3987
15°	2707
25°	1427
35°	621
45°	133



Watts: 19
 Lumens: 2135
 LPW: 112.4
 CCT: 3000K

Luminance	
Degree	CBCP
0°	2868
5°	2752
15°	2028
25°	1154
35°	547
45°	263



Watts: 19
 Lumens: 2180
 LPW: 114.7
 CCT: 3000K

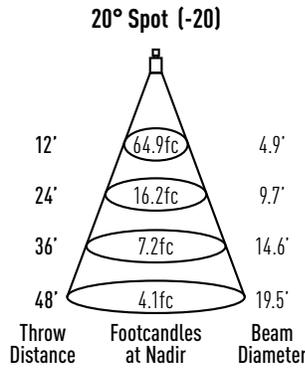
Luminance	
Degree	CBCP
0°	2237
5°	2198
15°	1862
25°	1225
35°	627
45°	299

GDS4DRL430 / IRDS400HZ

Report #: ILL-20191127-2.004 (-20)
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 ILL-20191127-14.004 (-40)
 ILL-20191127-20.004 (-50)

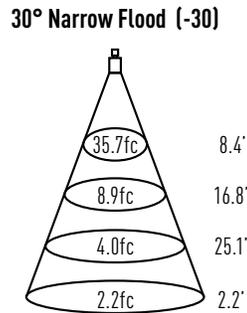
CCT MULTIPLIERS:

	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)



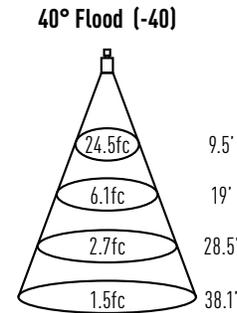
Watts: 24
 Lumens: 2851
 LPW: 118.8
 CCT: 3000K

Luminance	
Degree	CBCP
0°	9349
5°	8351
15°	3030
25°	1349
35°	649
45°	158



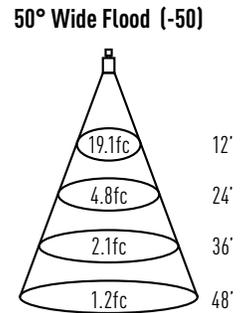
Watts: 24
 Lumens: 2896
 LPW: 120.7
 CCT: 3000K

Luminance	
Degree	CBCP
0°	5139
5°	4904
15°	3329
25°	1755
35°	764
45°	163



Watts: 24
 Lumens: 2625
 LPW: 109.4
 CCT: 3000K

Luminance	
Degree	CBCP
0°	3527
5°	3384
15°	2495
25°	1420
35°	673
45°	323



Watts: 24
 Lumens: 2681
 LPW: 111.7
 CCT: 3000K

Luminance	
Degree	CBCP
0°	2751
5°	2703
15°	2289
25°	1507
35°	771
45°	368