

GD6DR / IRD600

6" Gravity LED Downlight

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	100 lm/W	L8	4500lm	43W	105 lm/W
L2	1500lm	12W	125 lm/W	L9	5000lm	49W	102 lm/W
L3	2000lm	14W	143 lm/W	L10	6000lm	50W	120 lm/W
L4	2500lm	18W	139 lm/W	L11	7000lm	60W	117 lm/W
L5	3000lm	23W	130 lm/W	L12	8000lm	74W	108 lm/W
L6	3500lm	30W	117 lm/W	L14	10,000lm	87W	115 lm/W
L7	4000lm	36W	111 lm/W				

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

LED LIGHT ENGINE

- 82/92 CRI, 2700K, 3000K, 3500K or 4000K
- 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

- Forward/Reverse Phase Dimming 5% (120V only)
- 0-10V Dimming 1%
- etdoLED 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, 50° Wide Flood and 60° Very Wide Flood
- Optics and filter media are field interchangeable

ELECTRICAL SYSTEM

- Dedicated voltage options of 120V, 277V or 347V. Must be specified in catalog code
- 347V available with -D101 in L1 to L7 only, consult factory for lead times
- Multiple dimming drivers available
- 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 gauge 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 black, clear, haze or white 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 60° cut off.

INSTALLATION

The luminaire is type Non-IC. Insulation must be kept at a minimum of 3" away from fixture. Accommodates up to 1 1/4" ceiling thickness. 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

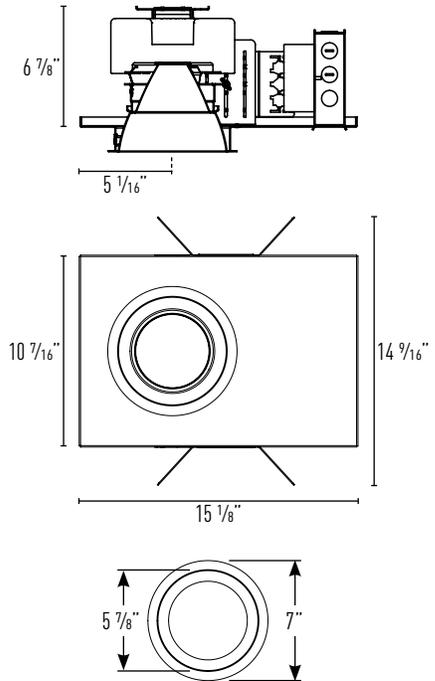
Remote test switch included. External battery operates LED load of up to 7W at a minimum of 400 lumens for 90 minutes (EM7), or 20W at a minimum of 1200 lumens for 90 minutes (EM20).

ACCESSORIES

Luminaire accepts (1) media filter and (1) hex cell louver.

LISTING / WARRANTY

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



Ceiling Cut Out: 6 1/2"
Maximum Ceiling Thickness: 1 1/4"

Housing Part Number: (Example: GD6DRL327-DIM-NS)

Housing	Wattage		CCT / CRI	Dimming		Voltage	Optic	Options						
GD6DR	L1 ¹	(10W)	L8	(43W)	27	(2700K/82CRI)	-DIM ²	(Phase Dimming 5%)	blank	(120V)	-NS ⁴	(14° Narrow Spot)	EM7	(7W Emergency Backup w/ Remote Test Switch)
	L2 ¹	(12W)	L9	(49W)	279	(2700K/92 CRI)	-D101	(0-10V Dimming 1%)	27	(277V)	-SP	(20° Spot)		
	L3	(14W)	L10	(50W)	30	(3000K/82 CRI)	-ED10V1 ³	(etdoLED 0-10V 1%)	34 ⁹	(347V)	-NF	(30° Narrow Flood)		
	L4	(18W)	L11	(60W)	309	(3000K/92 CRI)	-ED10V01 ³	(etdoLED 0-10V 0.1%)			-FL	(40° Flood)	EM20 ¹⁰	(20W Emergency Backup w/ Remote Test Switch)
	L5	(23W)	L12	(74W)	35	(3500K/82 CRI)	-LUT ⁴	(Lutron® LDE1 EcoSystem 1%)			-WF ⁷	(50° Wide Flood)		
	L6	(30W)	L14	(87W)	359	(3500K/92 CRI)	-DMXR ⁵	(DMX512 RDM 0.1%)			-VF ⁸	(60° Very Wide Flood)		
	L7	(36W)			40	(4000K/82 CRI)								
				409	(4000K/92 CRI)									

Reflector Part Number: (Example: IRD600HZ-SF)

Reflector Reflector Finish

IRD600	HZ-SF	(Haze, Self-Flanged)
	HZ-SFW	(Haze, Self-Flanged White)
	W-SF	(White, Self-Flanged)
	C-SF	(Clear, Self-Flanged)
	C-SFW	(Clear, Self-Flanged White)
	B-SF ¹¹	(Black, Self-Flanged)

Accessories

PFL2-111	(Linear Spread)
PFL4-111	(Soft Focus Lens)
PFLMB-111	(Black Hex Louver)
I100	(C-Channel Bar Hangers)
I200	(Flat Bar Hangers)
I400	(Wood Joist Bar Hangers)

Notes:

- L1 & L2 only available with -D101
- Available in 120V only; not available with L11 - L14
- etdoLED dimming available with L3-L12
- Lutron® dimming available with L3-L8
- DMX512 RDM available with L4-L14
- 14° Optic (NS) available on L1-L9 only
- 50° for L1-L9 only accepts (1) media filter
- 60° Optic (VF) available on L10-L14 only. Accepts only one filter media accessory.
- 347V available with -D101 in L1 to L7 only, consult factory for lead times.
- EM20 only available for L5 to L14
- Consult Factory For Lead Times

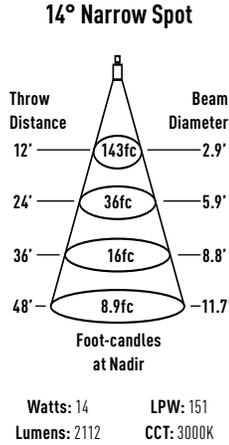
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NOTES		TYPE	

GD6DRL3 IRD600HZ

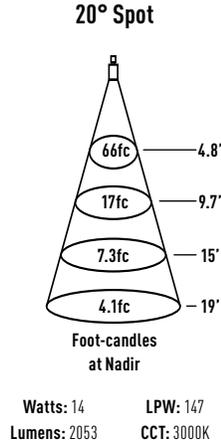
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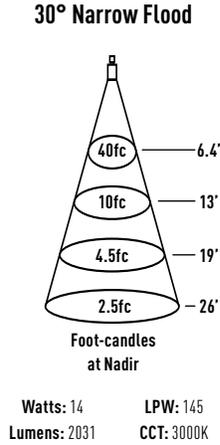
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2700K	(x 0.95)	(x 0.79)
3000K	(x 1.00)	(x 0.82)
3500K	(x 1.02)	(x 0.85)
4000K	(x 1.03)	(x 0.88)



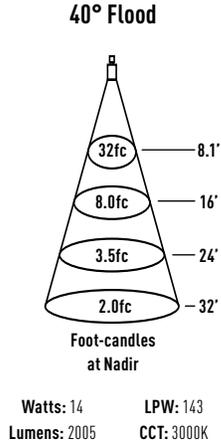
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45°	35



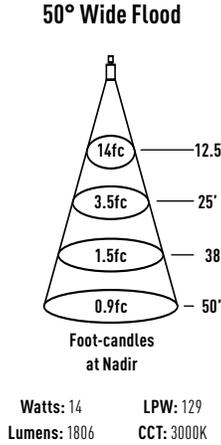
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Intensity	
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15°	2888
25°	1219
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Intensity	
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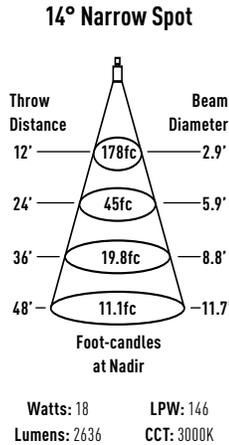
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GD6DRL4 IRD600HZ

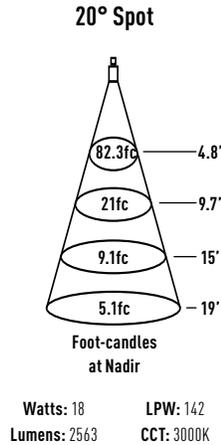
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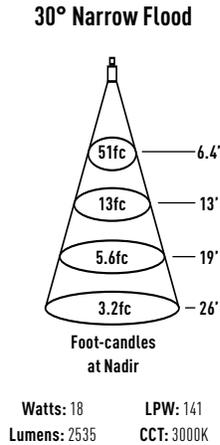
	82 CRI	92 CRI
2700K	(x 0.95)	(x 0.79)
3000K	(x 1.00)	(x 0.82)
3500K	(x 1.02)	(x 0.85)
4000K	(x 1.03)	(x 0.88)



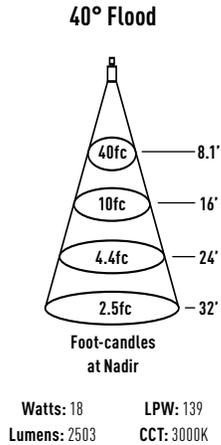
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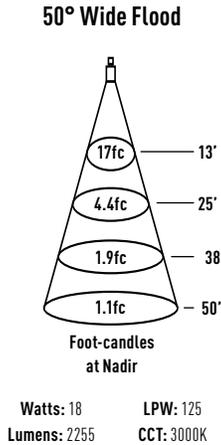
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35°	87
45°	59



Intensity	
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0°	7266
5°	6807
15°	3605
25°	1521
35°	123
45°	46



Intensity	
Degree	CBCP
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5°	5499
15°	3672
25°	1624
35°	134
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Intensity	
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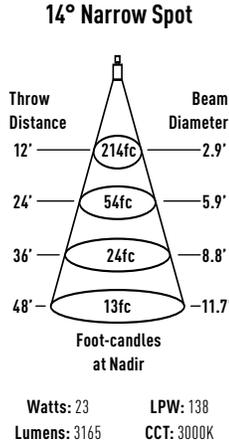
JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

GD6DRL5 IRD600HZ

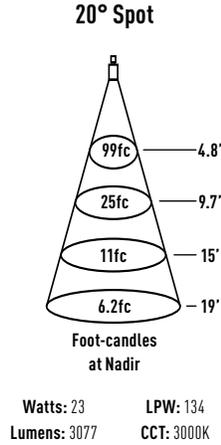
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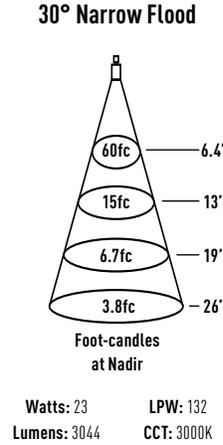
	82 CRI	92 CRI
2700K	(x 0.95)	(x 0.79)
3000K	(x 1.00)	(x 0.82)
3500K	(x 1.02)	(x 0.85)
4000K	(x 1.03)	(x 0.88)



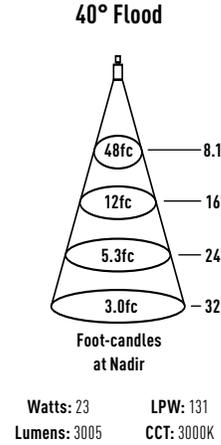
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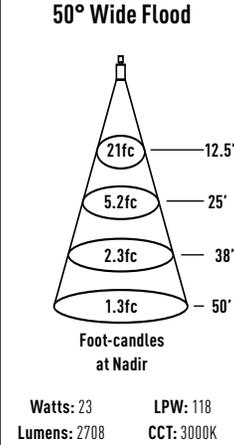
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25°	1294
35°	104
45°	71



Intensity	
Degree	CBCP
0°	8725
5°	8173
15°	4329
25°	1827
35°	148
45°	55



Intensity	
Degree	CBCP
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15°	4409
25°	1950
35°	160
45°	71



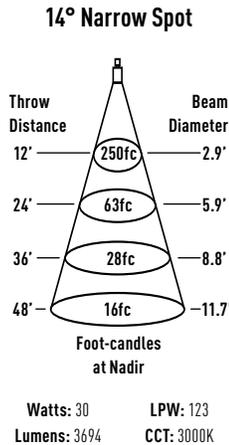
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45°	294

GD6DRL6 IRD600HZ

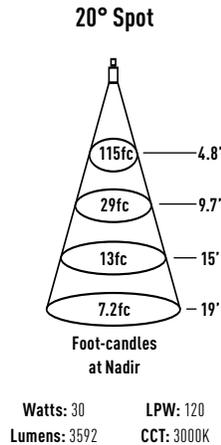
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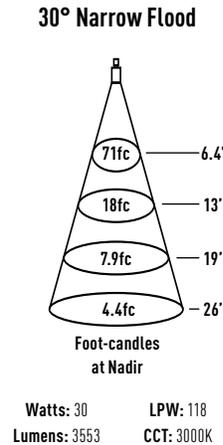
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3000K	(x 1.00)	(x 0.82)
3500K	(x 1.02)	(x 0.85)
4000K	(x 1.03)	(x 0.88)



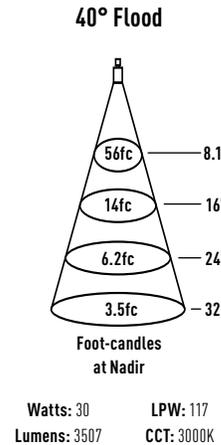
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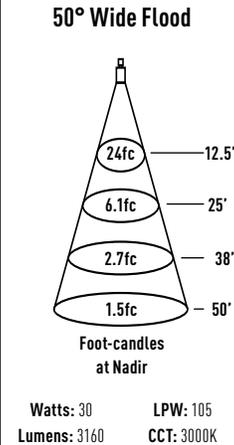
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Degree	CBCP
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15°	4951
25°	1510
35°	122
45°	83



Intensity	
Degree	CBCP
0°	10183
5°	9539
15°	5053
25°	2132
35°	173
45°	95



Intensity	
Degree	CBCP
0°	8040
5°	7706
15°	5146
25°	2276
35°	187
45°	83



Intensity	
Degree	CBCP
0°	3514
5°	3437
15°	2910
25°	2041
35°	989
45°	343