

GD6DS / ISD602

6" Gravity LED Square 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	900lm	10W	90 lm/W	L8	4200lm	43W	98 lm/W
L2	1400lm	12W	116 lm/W	L9	4850lm	49W	99 lm/W
L3	1850lm	14W	132 lm/W	L10	5500lm	50W	110 lm/W
L4	2350lm	18W	131 lm/W	L11	6400lm	60W	107 lm/W
L5	2800lm	23W	122 lm/W	L12	7350lm	74W	99 lm/W
L6	3300lm	30W	110 lm/W	L14	9150lm	87W	105 lm/W
L7	3750lm	36W	104 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%
- EldoLED 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. 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 60° cut off.

INSTALLATION

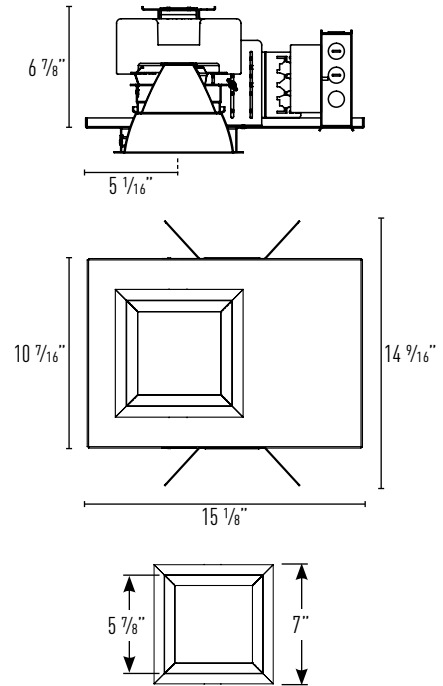
The luminaire is type Non-IC. Insulation must be kept at a minimum of 3" away from fixture. Accommodates up to 1 1/4" ceiling thickness. Universal mounting brackets included. Compatible with C-channel, flat bar, wood joist bar hanger and EMT. Bar hangers must be ordered separately. C-channel is recommended 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).

LISTING / WARRANTY

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



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

Housing Part Number: (Example: GD6DSL327-DIM-NS)

Housing	Wattage	CCT / CRI	Dimming	Voltage	Optic	Options
GD6DS	L1 ¹ (10W)	L8 (43W)	27 (2700K/82 CRI)	blank (120V)	-NS ⁶ (14° Narrow Spot)	EM7 (7W Emergency Backup w/ Remote Test Switch
	L2 ¹ (12W)	L9 (49W)	279 (2700K/92 CRI)	27 (277V)	-SP (20° Spot)	IOTA part #ILB-CP07-A)
	L3 (14W)	L10 (50W)	30 (3000K/82 CRI)	34 ² (347V)	-NF (30° Narrow Flood)	EM20 ¹⁰ (20W Emergency Backup w/ Remote Test Switch
	L4 (18W)	L11 (60W)	309 (3000K/92 CRI)		-FL (40° Flood)	IOTA ILB-CP20-HE-A)
	L5 (23W)	L12 (74W)	35 (3500K/82 CRI)		-WF ⁷ (50° Wide Flood)	
	L6 (30W)	L14 (87W)	359 (3500K/92 CRI)		-VF ⁸ (60° Very Wide Flood)	
	L7 (36W)		40 (4000K/82 CRI)			
		409 (4000K/92 CRI)				

Reflector Part Number: (Example: ISD602HZ-SF-CR)

Reflector	Reflector Finish	Lens Type
ISD602	HZ-SF (Haze, Self-Flanged)	-CR (Clear Tempered)
	HZ-SFW (Haze, Self-Flanged White)	-SL (Solite)
	W-SF (White, Self-Flanged)	
	C-SF (Clear, Self-Flanged)	
	C-SFW (Clear, Self-Flanged White)	
	B-SF ¹¹ (Black, Self-Flanged)	

Accessories

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 and Not available with L14
- eldoLED 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

GRAVITY DOWNLIGHT LJM-0410-24-P-10

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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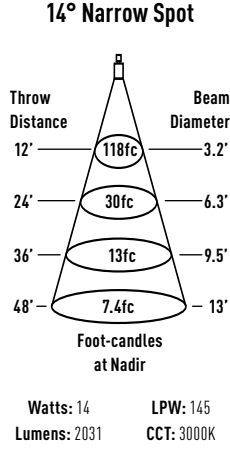
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NOTES		TYPE	

GD6DSL3 ISD602HZ

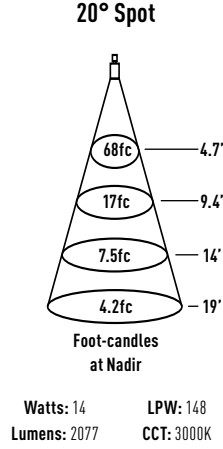
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CCT MULTIPLIERS:

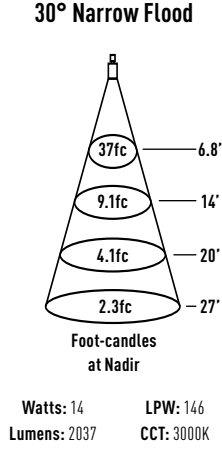
	82 CRI	92 CRI
2700K	(x 0.95)	(x 0.79)
3000K	(x 1.00)	(x 0.82)
3500K	(x 1.02)	(x 0.85)
4000K	(x 1.03)	(x 0.88)



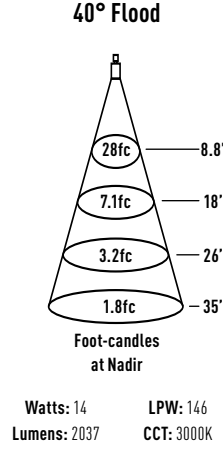
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0°	17032
5°	13099
15°	1696
25°	759
35°	62
45°	33



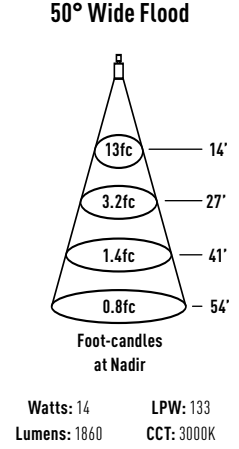
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Degree	CBCP
0°	9783
5°	7872
15°	2825
25°	802
35°	93
45°	47



Intensity	
Degree	CBCP
0°	5270
5°	4998
15°	2868
25°	1184
35°	102
45°	29



Intensity	
Degree	CBCP
0°	4085
5°	3966
15°	2883
25°	1281
35°	123
45°	44



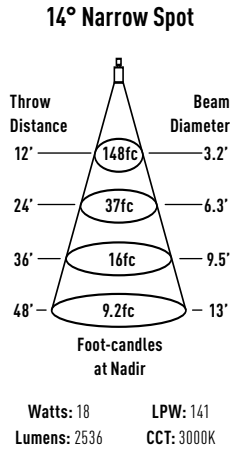
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Degree	CBCP
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5°	1802
15°	1559
25°	1158
35°	612
45°	218

GD6DSL4 ISD602HZ

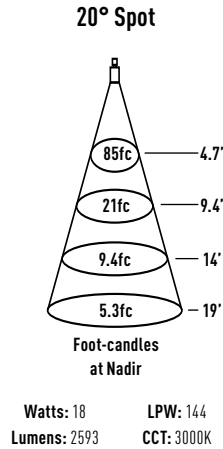
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CCT MULTIPLIERS:

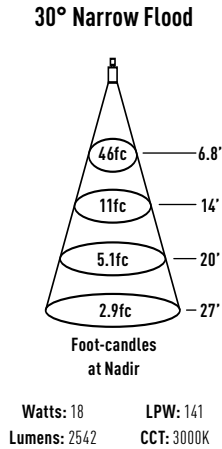
	82 CRI	92 CRI
2700K	(x 0.95)	(x 0.79)
3000K	(x 1.00)	(x 0.82)
3500K	(x 1.02)	(x 0.85)
4000K	(x 1.03)	(x 0.88)



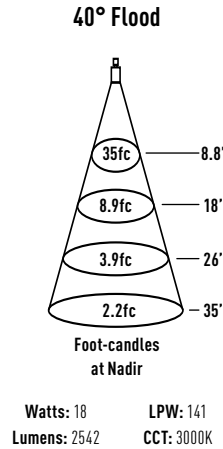
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Degree	CBCP
0°	21263
5°	16352
15°	2118
25°	947
35°	77
45°	41



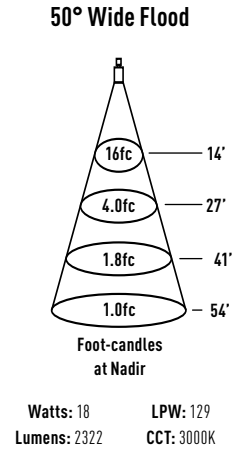
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Degree	CBCP
0°	12214
5°	9827
15°	3527
25°	1001
35°	115
45°	58



Intensity	
Degree	CBCP
0°	6579
5°	6239
15°	3580
25°	1478
35°	128
45°	36



Intensity	
Degree	CBCP
0°	5100
5°	4952
15°	3599
25°	1600
35°	153
45°	55



Intensity	
Degree	CBCP
0°	2290
5°	2250
15°	1946
25°	1446
35°	764
45°	272

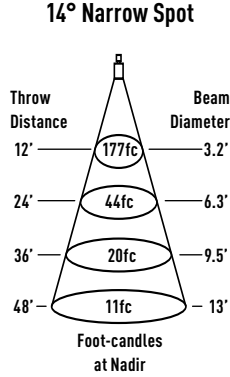
JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

GD6DSL5 ISD602HZ

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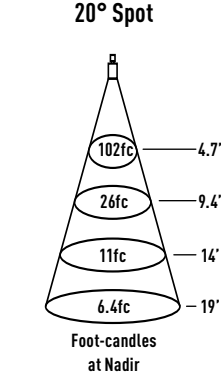
CCT MULTIPLIERS:

	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)



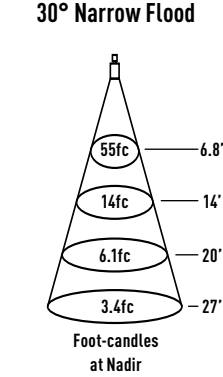
Watts: 23 LPW: 132
 Lumens: 3045 CCT: 3000K

Intensity	
Degree	CBCP
0°	25530
5°	19634
15°	2543
25°	1138
35°	93
45°	49



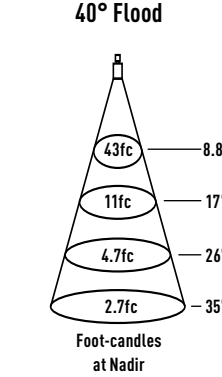
Watts: 23 LPW: 135
 Lumens: 3114 CCT: 3000K

Intensity	
Degree	CBCP
0°	14665
5°	11799
15°	4235
25°	1202
35°	139
45°	70



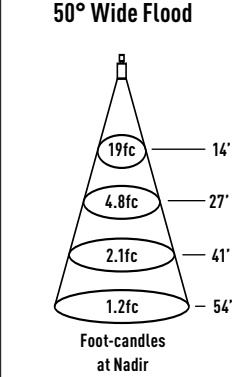
Watts: 23 LPW: 133
 Lumens: 3053 CCT: 3000K

Intensity	
Degree	CBCP
0°	7900
5°	7491
15°	4298
25°	1775
35°	153
45°	43



Watts: 23 LPW: 133
 Lumens: 3053 CCT: 3000K

Intensity	
Degree	CBCP
0°	6123
5°	5945
15°	4321
25°	1921
35°	184
45°	66



Watts: 23 LPW: 121
 Lumens: 2787 CCT: 3000K

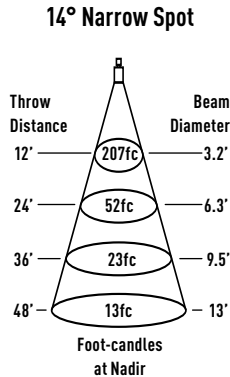
Intensity	
Degree	CBCP
0°	2750
5°	2701
15°	2337
25°	1736
35°	918
45°	326

GD6DSL6 ISD602HZ

Report #: ILL20200129-6.004 (14)
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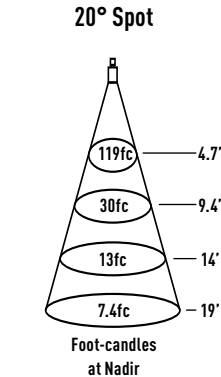
CCT MULTIPLIERS:

	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)



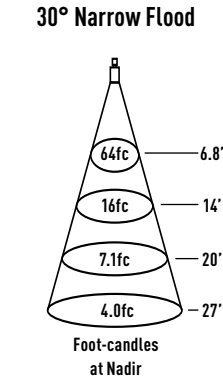
Watts: 30 LPW: 118
 Lumens: 3554 CCT: 3000K

Intensity	
Degree	CBCP
0°	29798
5°	22916
15°	2967
25°	1328
35°	108
45°	57



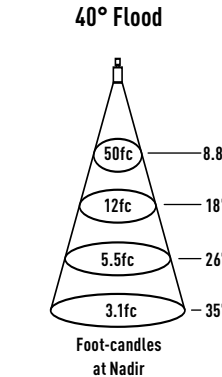
Watts: 30 LPW: 121
 Lumens: 3634 CCT: 3000K

Intensity	
Degree	CBCP
0°	17116
5°	13771
15°	4942
25°	1403
35°	162
45°	81



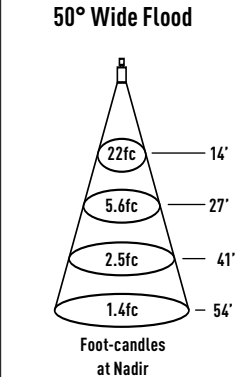
Watts: 30 LPW: 119
 Lumens: 3563 CCT: 3000K

Intensity	
Degree	CBCP
0°	9220
5°	8743
15°	5017
25°	2072
35°	179
45°	51



Watts: 30 LPW: 119
 Lumens: 3563 CCT: 3000K

Intensity	
Degree	CBCP
0°	7147
5°	6939
15°	5043
25°	2242
35°	215
45°	77



Watts: 30 LPW: 108
 Lumens: 3253 CCT: 3000K

Intensity	
Degree	CBCP
0°	3209
5°	3153
15°	2728
25°	2026
35°	1071
45°	381