

GD6DS / ISD600

6" Gravity LED Square 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

- Phase Dimming 5%
- 0-10V Dimming 1%
- Forward/reverse dimming 1% (120V only)
- 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. 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

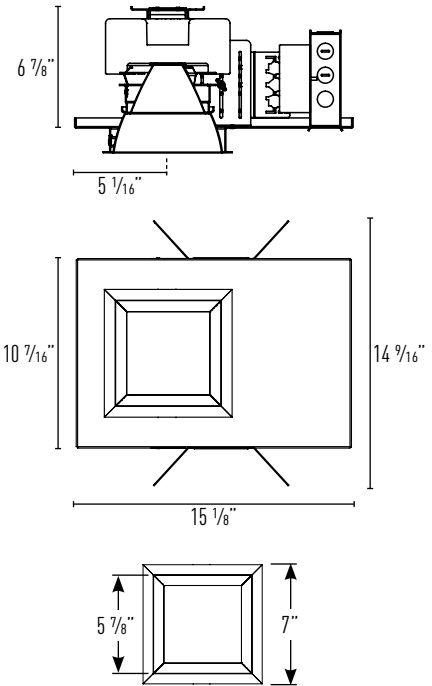
Remote test switch included. External battery operates LED load of up to 7W at a minimum of 400 lumens for 90 minutes (EM7), or 20W at a minimum of 1200 lumens for 90 minutes (EM20).

ACCESSORIES

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

LISTING / WARRANTY

- ETL Listed to US and Canadian standards for damp 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)	-DIM ² (Phase Dimming 5%)	blank (120V)	-NS ⁴ (14° Narrow Spot)	EM7 (7W Emergency Backup w/ Remote Test Switch IOTA part #ILB-CP07-A)
	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 (eldoLED 0-10V 1%)	34 ⁹ (347V)	-NF (30° Narrow Flood)	
	L4 (18W)	L11 (60W)	309 (3000K/92 CRI)	-ED10V01 ³ (eldoLED 0-10V 0.1%)		-FL (40° Flood)	EM20 ¹⁰ (20W Emergency Backup w/ Remote Test Switch IOTA ILB-CP20-HE-A)
	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: ISD600HZ-SF)

Reflector Reflector Finish

ISD600	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
- eldoLED dimming available with L3-L12
- Lutron® dimming available with L4-L14
- 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-7

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.

© 2024 Intense Lighting, LLC. All rights reserved. Note: This document is subject to change without notice.



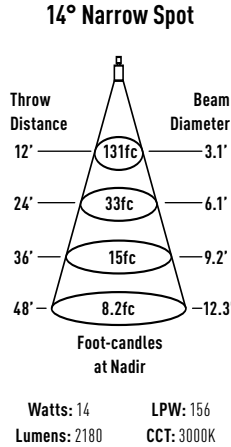
JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

GD6DSL3 ISD600HZ

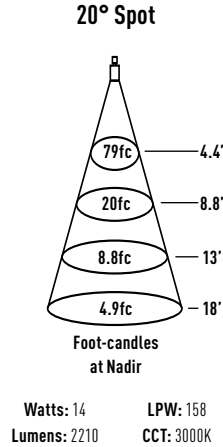
Report #: ILL20200129-2.001 (14)
 ILL20200129-10.001 (20)
 ILL20200130-6.001 (30)
 ILL20200130-12.001 (40)
 ILL20200131-6.001 (50)

CCT MULTIPLIERS:

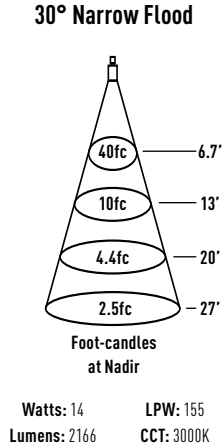
	82 CRI	92 CRI
2700K	(x 0.95)	(x 0.79)
3000K	(x 1.00)	(x 0.82)
3500K	(x 1.02)	(x 0.85)
4000K	(x 1.03)	(x 0.88)



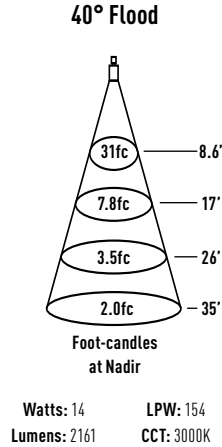
Intensity	
Degree	CBCP
0°	18816
5°	14614
15°	1853
25°	810
35°	65
45°	31



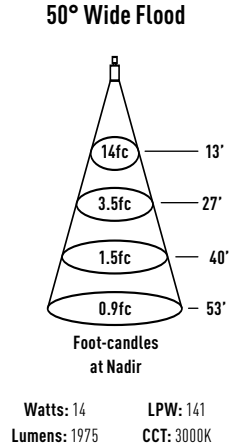
Intensity	
Degree	CBCP
0°	11366
5°	8538
15°	2829
25°	852
35°	51
45°	33



Intensity	
Degree	CBCP
0°	5749
5°	5471
15°	3033
25°	1251
35°	84
45°	27



Intensity	
Degree	CBCP
0°	4482
5°	4315
15°	3122
25°	1373
35°	104
45°	36



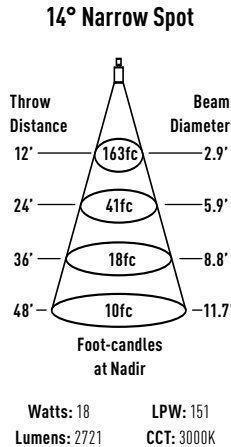
Intensity	
Degree	CBCP
0°	2011
5°	1974
15°	1700
25°	1249
35°	640
45°	217

GD6DSL4 ISD600HZ

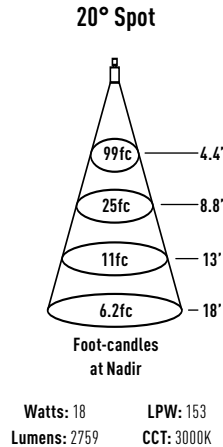
Report #: ILL20200129-2.002 (14)
 ILL20200129-10.002 (20)
 ILL20200130-6.002 (30)
 ILL20200130-12.002 (40)
 ILL20191218-5.002 (50)

CCT MULTIPLIERS:

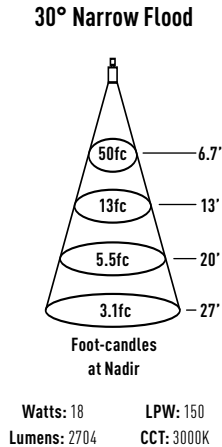
	82 CRI	92 CRI
2700K	(x 0.95)	(x 0.79)
3000K	(x 1.00)	(x 0.82)
3500K	(x 1.02)	(x 0.85)
4000K	(x 1.03)	(x 0.88)



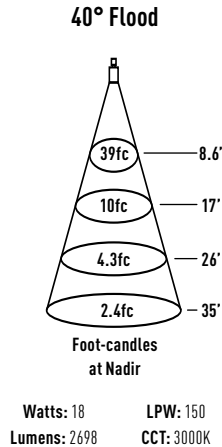
Intensity	
Degree	CBCP
0°	23490
5°	18244
15°	2314
25°	1011
35°	82
45°	38



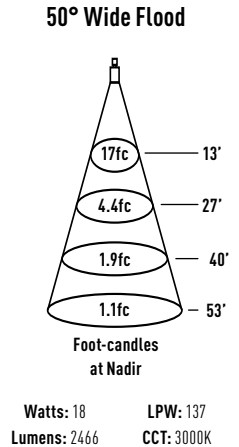
Intensity	
Degree	CBCP
0°	14189
5°	10659
15°	3532
25°	1063
35°	64
45°	42



Intensity	
Degree	CBCP
0°	7177
5°	6830
15°	3787
25°	1562
35°	105
45°	34



Intensity	
Degree	CBCP
0°	5596
5°	5387
15°	3897
25°	1714
35°	130
45°	45



Intensity	
Degree	CBCP
0°	2510
5°	2464
15°	2122
25°	1559
35°	799
45°	271

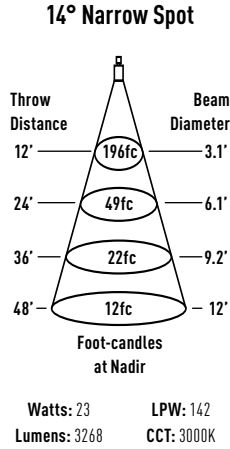
JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

GD6DSL5 ISD600HZ

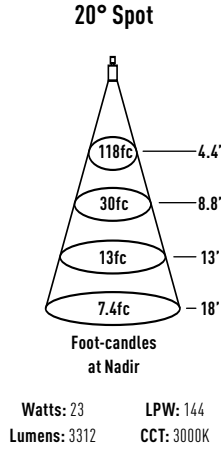
Report #: ILL20200129-2.003 (14)
 ILL20200129-10.003 (20)
 ILL20200130-6.003 (30)
 ILL20200130-12.003 (40)
 ILL20200131-6.003 (50)

CCT MULTIPLIERS:

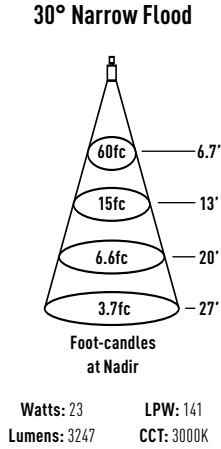
	82 CRI	92 CRI
2700K	(x 0.95)	(x 0.79)
3000K	(x 1.00)	(x 0.82)
3500K	(x 1.02)	(x 0.85)
4000K	(x 1.03)	(x 0.88)



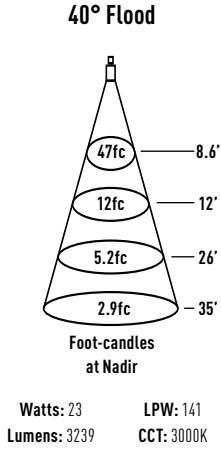
Intensity	
Degree	CBCP
0°	28204
5°	21906
15°	2778
25°	1214
35°	98
45°	46



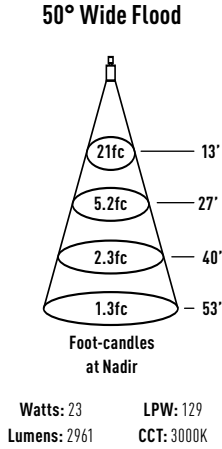
Intensity	
Degree	CBCP
0°	17037
5°	12798
15°	4241
25°	1277
35°	77
45°	50



Intensity	
Degree	CBCP
0°	8618
5°	8201
15°	4547
25°	1875
35°	126
45°	41



Intensity	
Degree	CBCP
0°	6719
5°	6469
15°	4679
25°	2058
35°	156
45°	54



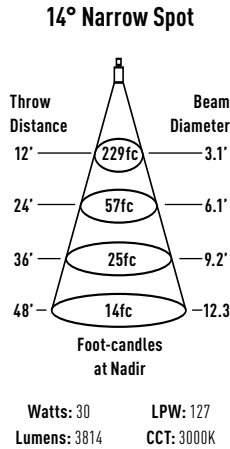
Intensity	
Degree	CBCP
0°	3014
5°	2959
15°	2548
25°	1872
35°	960
45°	326

GD6DSL6 ISD600HZ

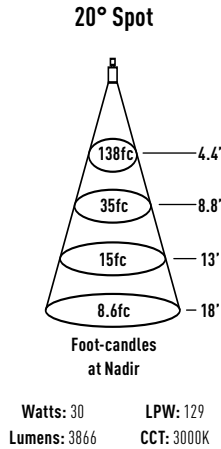
Report #: ILL20200129-2.004 (14)
 ILL20200129-10.004 (20)
 ILL20200130-6.004 (30)
 ILL20200130-12.004 (40)
 ILL20200131-6.004 (50)

CCT MULTIPLIERS:

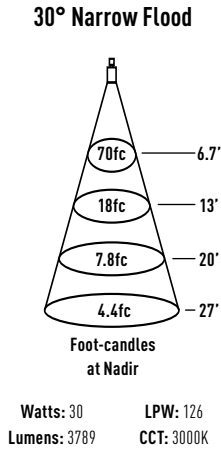
	82 CRI	92 CRI
2700K	(x 0.95)	(x 0.79)
3000K	(x 1.00)	(x 0.82)
3500K	(x 1.02)	(x 0.85)
4000K	(x 1.03)	(x 0.88)



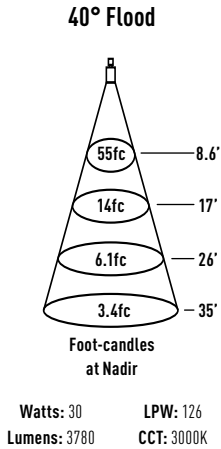
Intensity	
Degree	CBCP
0°	32918
5°	25567
15°	3242
25°	1417
35°	114
45°	54



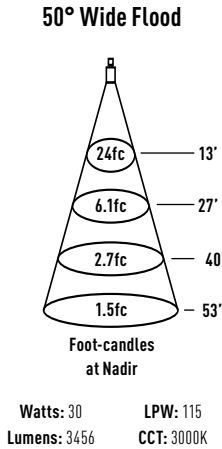
Intensity	
Degree	CBCP
0°	19884
5°	14937
15°	4950
25°	1490
35°	89
45°	58



Intensity	
Degree	CBCP
0°	10058
5°	9572
15°	5306
25°	2189
35°	147
45°	48



Intensity	
Degree	CBCP
0°	7842
5°	7550
15°	5461
25°	2402
35°	182
45°	63



Intensity	
Degree	CBCP
0°	3518
5°	3453
15°	2974
25°	2185
35°	1120
45°	380