## GD4DS / ISD402

4" Gravity BIOS Square Lensed Downlight - Wet Location

#### ELECTRICAL DATA: (Data Based On 3000K/82CRI Configuration)

LED Light Engine	Nominal Delivered Lumen*	System Wattage**	Efficacy	LED Light Engine	Nominal Delivered Lumen*	System Wattage**	Efficacy
BS05	500lm	10W	50 lm/W	BS2	1500lm	27W	56 lm/W
BS1	1000lm	18W	56 lm/W	BS3	2000lm	34W	59 lm/W

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

#### FEATURES

- BIOS Illuminated: Blue Spectrum Peak Emission at 490 nm
- High delivered lumens maintained in ceiling from  $V_2$ " to 2  $V_4$ " using patent pending design
- Future proof luminaire with easy module install via twist-to-lock mounting and driver access through raised junction box

#### LED LIGHT ENGINE

- 3000K, 3500K or 4000K w/ CRI 80+ and R9 > 90
- 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 120V only, Forward 1% / Reverse 5%
- 0-10V Dimming 1%
- EldoLED 0-10V 0.1% or 1%
- Lutron<sup>®</sup> LDE1 Hi-Lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology
- Lutron<sup>©</sup> LTEA2W Hi-Lume 1% 2-Wire LED driver (120V forward phase only)
   DMX512 RDM 0.1%

#### OPTICS

- 20° Spot, 30° Narrow Flood, 40° Flood and 50° Wide Flood
- Optics and filter media are field customizable

#### ELECTRICAL SYSTEM

- Dedicated voltage options of 120V or 277V. Must be specified in catalog code.
- 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 '/2'' to 2 '/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. Regressed 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 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  $\frac{1}{2}$ " to 2  $\frac{1}{4}$ ". 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).

#### EMERGENCY BACKUP

Remote test switch included. External battery operates LED load of up to 7W at a minimum of 450 lumens for 90 minutes (EM7), or 20W at a minimum of 1250 lumens for 90 minutes (EM20).

#### LISTING / WARRANTY

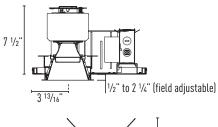
- ETL Listed to US and Canadian standards for wet locations
- 5-Year Intense LED Limited Warranty
  This product is covered by U.S. Pat. No.
- 10,274,148.

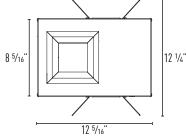


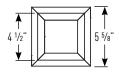


### Gravity™









Ceiling Cut Out: 5 ¼" x 5 ¼" Maximum Ceiling Thickness: 2 ¼" Minimum Ceiling Thickness: ½"

Housing P	art Numbei	:(Example	e: NA/TBD)										
Housing	Wattage		CCT / C	RI	Dimming			Voltage		Optic		Options	
GD4DS	BS05 <sup>1</sup> BS1 BS2 BS3	(10W) (18W) (27W) (34W)	35	(3000K / 80 CRI) (3500K / 80 CRI) (4000K / 80 CRI)	-DIM <sup>2</sup> -D101 -ED10V1 -ED10V01 -LUT -LUT2 <sup>2</sup> -DMXR	(Phase Dimming) (0-10V Dimming 1%) (eldoLED 0-10V 1%) (eldoLED 0-10V 0.1%) (Lutron® LDE1 EcoSys (Lutron® LTEA2W 2-W (DMX512 RDM 0.1%)		blank 27	(120V) (277V)	-SP -NF -FL -WF	(40° Flood)	EM7 EM20 <sup>3</sup>	(7W Emergency Backup <u>IOTA ILB-CP07-A</u> ) (20W Emergency Backup I <u>OTA ILB-CP20-HE-S</u> )
Reflector	Part Numb	<b>er</b> : (Examp	le: ISD402H	IZ-SF-CR)			Bar Han	gers			Replacement Optics		
Reflector ISD402	Reflector HZ W C B <sup>4</sup> WHT <sup>4</sup>	Finish (Haze) (White) (Clear) (Black) (Wheat)	Trim -SF -SFW	(Self Flanged) (Self Flanged Wi		<b>e</b> (Clear Tempered) (Solite)	1200	(C-Chanr (Flat Bar (Wood Jo	Hangers)	angers) Note 1. E 2. A	IP-OP63NF (30 IP-OP63FL (40 IP-OP63WF (50	0	od Optic) :)

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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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## GD4DR / IRD402

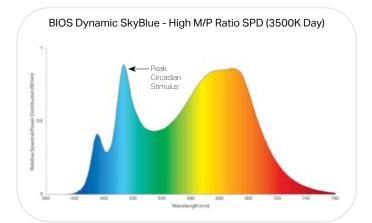
4" Gravity BIOS Lensed Downlight - Wet Location

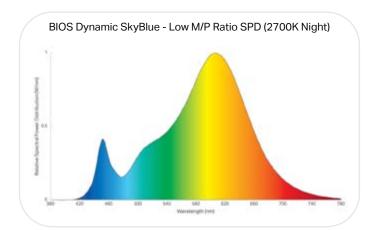
Lumen Package	Voltage	Wattage	VA	Input Current	Power Factor
BS05	120V	9.35W	10.18	0.08	0.918
0303	277V	10.47W	14.50	0.05	0.722
BS1	120V	17.05W	17.38	0.14	0.981
<b>D</b> 21	277V	18.45W	21.51	0.08	0.858
BS2	120V	26.61W	26.95	0.22	0.987
B32	277V	27.90W	31.25	0.11	0.893
BS3	120V	33.84W	34.11	0.28	0.992
800	277V	35.12W	38.89	0.14	0.903

bios	JOB Name	CATALOG NUMBER	
ILLUMINATED	NOTES	TYPE	

#### Phase Dimming Electrical Table: System Wattage

Lumen Package	Voltage	Wattage	VA	Input Current	Power Factor
DC1	120V	16.60W	17.07	0.14	0.972
BS1 -	277V	-	-		
500	120V	26.00W	26.42	0.22	0.984
BS2 -	277V	-	-		
500	120V	33.16W	33.16	0.28	1.000
BS3	277V	-	-		





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# Gravity™

-						NOTES		Т	YPE	
GD4DSL1	-NS (14° Na	arrow Spot)	-SP (20	° Spot)	-NF (30° Na	rrow Flood)	-FL (40	° Flood)	-WF (50° \	Vide Flood)
Babe         Part         Itt 20190103-1.01           ILL20181219-2.001         ILL20181219-2.001           ILL20181219-8.001         ILL20181219-1.01           ILL20181219-1.001         ILL20181219-1.001           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)	12' 35 24' 11 36' 4.4 Footc at N Watts: 10	andles adir LPW: 81.8	44 21 55 2.3 Footca at N Watts: 10	fc 5.1' fc - 10.1' Bfc - 15.2' andles adir LPW: 87.6	22 12 12 13 Footca at N Watts: 10	c	Protection of the second secon	fc 6.6 fc 9.9 fc 19.1 9fc - 29.1 andles ladir LPW: 77.5	Footc at I Watts: 10	tfc 7.7' fc 11.7' fc 23.5' 7fc -35.2' andles ladir LPW: 77.0
	Lumens: 818	<b>CCT:</b> 3000K	Lumens: 876	CCT: 3000K	Lumens: 875	<b>CCT:</b> 3000K	Lumens: 775	CCT: 3000K	Lumens: 770	<b>CCT:</b> 3000K
	Lumi	nance	Luminance		Luminance		Luminance		Luminance	
	<b>Degree</b> 0° 5° 15° 25° 35° 45°	CBCP 5651 4160 657 387 48 27	<b>Degree</b> 0° 5° 15° 25° 35° 45°	CBCP 2968 2662 1048 447 76 35	<b>Degree</b> 0° 5° 15° 25° 35° 45°	CBCP 1737 1655 1103 539 108 39	<b>Degree</b> 0° 5° 15° 25° 35° 45°	CBCP 1127 1083 813 464 173 69	Degree 0° 5° 15° 25° 35° 45°	CBCP 889 874 745 481 200 79

JOB

NAME

CATALOG

NUMBER

## GD4DSL2 **ISD402**

Report #: ILL20190103-1.002 ILL20181219-2.002 ILL20181219-5.002 ILL20181219-8.002 ILL20181219-11.002

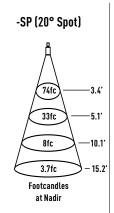
#### **CCT MULTIPLIERS:**

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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)

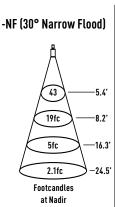
#### -NS (14° Narrow Spot) Throw Beam Distance Diameter 8' 141c -2.1' 63fc 12' -3.1' 24' 16fc -6.3' 36' 7fc -9.4' Footcandles at Nadir Watts: 14 LPW: 93.1 CCT: 3000K Lumens: 1304

Luminance Degree CBCP 9011 ۱° 5° 6633 15° 1048 25° 618 35° 76 45° 43



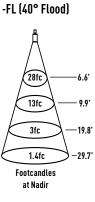
Watts: 14 LPW: 99.8 CCT: 3000K Lumens: 1398

Lumir	Luminance			
Degree	CBCP			
0°	4733			
5°	4244			
15°	1671			
25°	713			
35°	121			
45°	56			



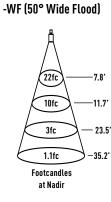
Watts: 14 LPW: 99.6 CCT: 3000K Lumens: 1395

Luminance				
Degree	CBCP			
0°	2770			
5°	2638			
15°	1759			
25°	860			
35°	172			
45°	62			
	1			



Watts: 14 LPW: 88.3 CCT: 3000K Lumens: 1236

Luminance				
Degree	CBCP	-		
0°	1798			
5°	1727			
15°	1296			
25°	740			
35°	275			
45°	110			



Watts: 14 LPW: 87.7 CCT: 3000K Lumens: 1227

Luminance			
Degree	CBCP		
0°	1418		
5°	1393		
15°	1188		
25°	766		
35°	318		
45°	125		



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