

GD2DS

2" Gravity Square LED Downlight

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

ELECTRICAL DATA

LED Light Engine	Nominal Delivered Lumens*	System Wattage**
L1	700lm @ 3000K / 82CRI	10 Watts
L2	1000lm @ 3000K / 82CRI	15 Watts
L3	1200lm @ 3000K / 82CRI	20 Watts

* Delivered Lumens will vary depending on CCT, CRI, optic and reflector finish.

** System Wattage includes driver and LED Module consumption.

FEATURES

- Field changeable 16° to 60° Optics
- Integral field changeable accessory holder
- Toolless adjustability with 360° of rotation in 90° increments & 45° of tilt
- In-field adjustable module height accommodates 1/2" to 1-1/4" ceiling thickness

LED LIGHT ENGINE

- 10W, 15W & 20W
- 16° to 60° Optics: 2 SDCM, 82/92CRI in 2700K, 3000K, 3500K & 4000K
- Rated life of >50,000 hours L70 based on LED testing per LM-80-08 and projected values using IESNA TM21-11

OPTICS

- Field changeable 16° Spot, 24° Narrow Flood, 36° Flood, 48° Wide Flood and 60° Very Wide Flood
- Accepts (2) field changeable filter media

ELECTRICAL SYSTEM

- 120V/277V input; 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.

HOUSING

- Heavy duty black powder coated 18 gauge steel frame
- Accommodates 1/2" to 1-1/4" Ceilings
- Integral driver compartment with below ceiling access

EMERGENCY BACKUP

- Remote test switch included. External Battery operates LED load @ 725 nominal delivered Lumens. Servicing requires above ceiling access.
- Available with IC and AIC housings only.

INSTALLATION

- IC and Non-IC Rated housing types, must specify. (Remodel housings are Non-IC only) Non-IC rated housings must be kept at a minimum of 3" away from insulation
- Remodel housings requires 5-1/2" of plenum space for installation and servicing.
- Adjustable (10-3/4" to 25") joist/grid ceiling bar hangers included (Hanger bars does not allow for height adjustments)

REFLECTOR

- Specification grade 1.0mm spun aluminum reflector
- Reflector available in black, white or haze finishes (Consult factory for other finishes)
- Architectural, discrete polished self flange (**Note:** Not available with trimless trims)

DIMMING

- Phase dimming, Forward 1% & Reversed 5% (120V only)
- 0-10V 1% Dimming 1%
- eldoLED SOLdrive 0-10V 0.1%
- eldoLED ECOdrive 0-10V 1%
- Lutron® LDE1 Hi-Lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology

REMOTE BOX

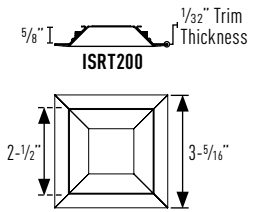
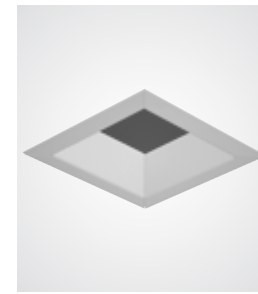
- Remote box included when required by specification (eldoLED or Lutron dimming option). Available with IC and AIC housings only.
- Above ceiling access required for servicing
- Galvanized steel construction with separate line voltage and low voltage wiring compartments
- 50ft remote distance maximum

LISTING / WARRANTY

- 5-Year Intense LED Limited Warranty
- ETL Listed to US and Canadian standards for damp locations
- (-IC / -AIC Only) ETL listed for direct contact w/insulation
- (-AIC Only) Air-Tight Certified ASTM E283.
- (-AIC Only) Can be used to comply with Title 24, Part 6, JA8 high efficacy LED light source requirements

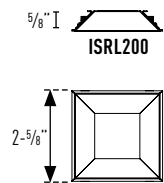
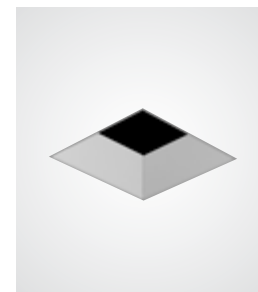


Trimmed Reflectors

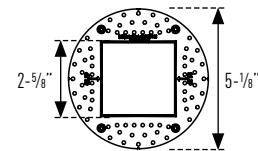


Ceiling Cutout: 2-7/8"

Trimless Reflectors



Ceiling Cutout: 2-7/8"



Trimless Mud Flanged:

Perforated collar for seamless and trimless mounting. Must be ordered separately and can only be used in conjunction with trimless trims.

Available Trim Finishes



Housing Part Number: (Example: GD2DSNCL1279DIMSP)

Housing	Installation Type	Wattage	CCT / CRI	Dimming	Voltage	Optic	Options
GD2DS	NC (New Cons Non-IC)	L1 (10W)	27 (2700K / 82CRI)	DIM ² (Phase Dimming)	blank (120V)	SP (16° SP)	EM7 ^{1,3,5} (7W Emergency Backup IOTA part #ILB-CP07-A)
	NIC ¹ (New Cons IC-Rated)	L2 (15W)	279 (2700K / 92CRI)	D101 (0-10V Dimming 1%)	27 (277V)	NF (24° NFL)	
	NAIC ¹ (New Cons Air-Tight IC)	L3 (20W)	30 (3000K / 82CRI)	ED10V1 ^{1,3} (eldoLED 0-10V 1%)		FL (36° FL)	
	RC (Remodel Non-IC)		309 (3000K / 92CRI)	ED10V01 ^{1,3} (eldoLED 0-10V 0.1%)		WF (48° WFL)	
			35 (3500K / 82CRI)	LUT ^{1,3} (Lutron® LDE1 EcoSystem 1%)		VF (60° VFL)	
			359 (3500K / 92CRI)				
			40 (4000K / 82CRI)				
			409 (4000K / 92CRI)				

Reflector Part Number: (Example: ISRT200W-SF)

Reflector	Reflector Finish	Trim
ISRT200 (5/8" Regress Trim)	W (White)	-SF (Self Flanged)
ISRL200 ⁶ (5/8" Regress Trimless)	B ⁶ (Black)	blank ⁸ (Trimless)
	HZ (Haze)	

Optional Accessory

GD2S-MR⁵ Square Trimless Mud Ring

Filter Media

- PFL2-45 Hex Louver
- PFL4-45 Soft Focus Film
- PFL-LS-45 Linear Spread

Notes:

- Not available with L3
- Available in 120V only
- Remote driver box required for eldoLED, Lutron and EM back up. Compatible with IC and AIC rated housings only.
- Emergency backup available with IC and AIC housings only
- Trimless options are for use with mud ring accessory only
- Consult factory for lead times

GRAVITY L/M-0906-23 P-7

Intense Lighting

3340 E La Palma Ave, Anaheim, CA 92806 | tel 714 630-9877 | fax 714 630-9883

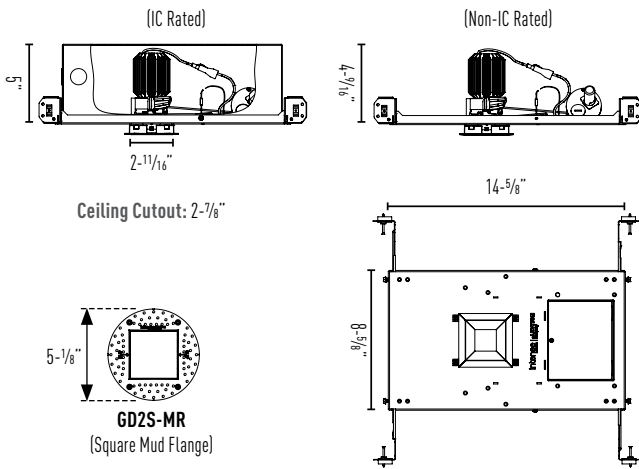
©2023 Intense Lighting, LLC. All rights reserved. Subject to change without notice.

GD2DS

2" Gravity Square LED Downlight

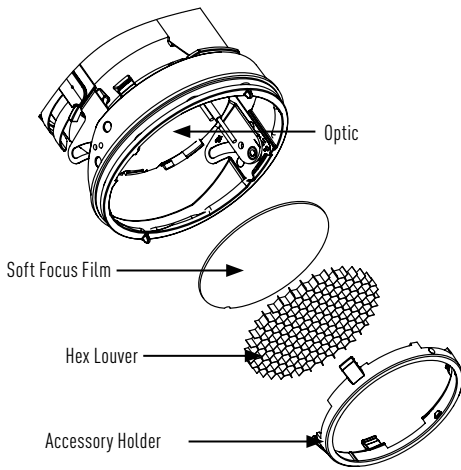
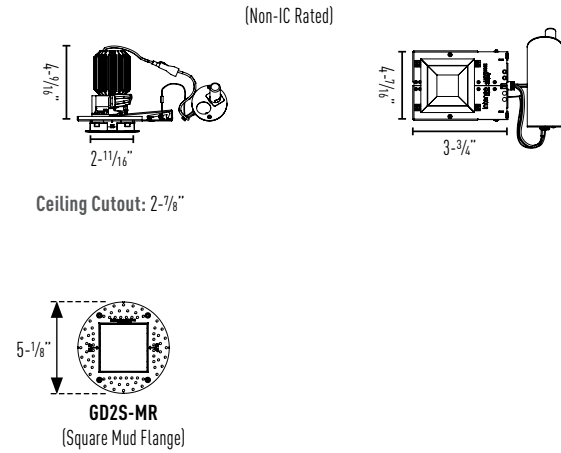
JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

New Construction Dimension (IC & Non-IC):



Remodel Dimension (Non-IC):

Remodel housings requires 5-1/2" of plenum space for installation and servicing.



Optics

- IP-OP45SP** (16° Spot)
- IP-OP45NF** (24° Narrow Flood)
- IP-OP45FL** (36° Flood)
- IP-OP45WF** (48° Wide Flood)
- IP-OP45VF** (60° Very Wide Flood)

Accessories

- PFL2-45** Hex Louver
- PFL4-45** Soft Focus Film
- PFL-LS-45** Linear Spread

Remote Mounted Driver

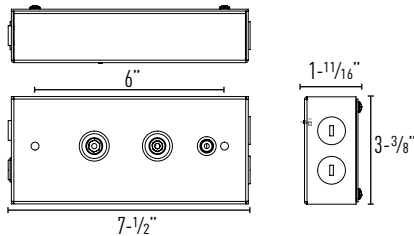
(For use with IC/AIC housings with eldoLED or Lutron dimming option)

- Remote box included when required by specification (eldoLED or Lutron dimming option). Available with IC and AIC housings only.
- Above ceiling access required for servicing
- Galvanized steel construction with separate line voltage and low voltage wiring compartments
- 50ft remote distance maximum

Remote Driver Box For Dimming Options

- eldoLED 0-10V 1%
- eldoLED 0-10V 0.1%
- Lutron® LDE1 EcoSystem 1%
- Lutron® LTEA2W 2-Wire 1%

Note: Wires for class 2 LED driver require a minimum of 18 awg wire at a maximum of 50 feet length per local and national electrical regulations.



GD2DS

2" Gravity Square LED Downlight

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

ISRT200WL3

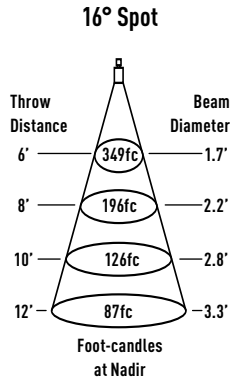
Report #: ILL-20190114-1 (16)
 ILL-20190114-1 (24)
 ILL-20190114-1 (36)
 ILL-20190114-1 (48)
 ILL-20190114-1 (60)

LED PACKAGE MULTIPLIERS:
 ISRT200WL1 (x 0.58)
 ISRT200WL2 (x 0.82)

ISRT200 (% REGRESS)
 Trim Multiplier (x 0.99)

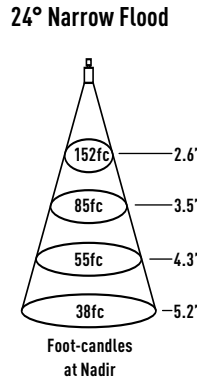
CCT MULTIPLIERS:

	82CRI	92CRI
2700K	(x 0.93)	(x 0.76)
3000K	(x 1.00)	(x 0.87)
3500K	(x 1.00)	(x 0.87)
4000K	(x 1.00)	(x 0.87)



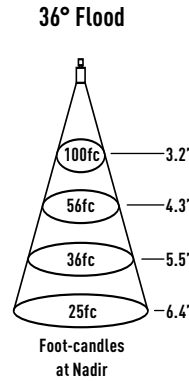
Watts: 20 LPW: 67
 Lumens: 1346 CCT: 3000K

Intensity	
Degree	CBCP
0°	12563
5°	10964
15°	1301
25°	133
35°	30
45°	11



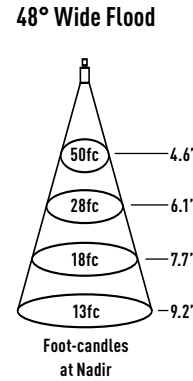
Watts: 20 LPW: 62
 Lumens: 1245 CCT: 3000K

Intensity	
Degree	CBCP
0°	5468
5°	4777
15°	1939
25°	429
35°	82
45°	17



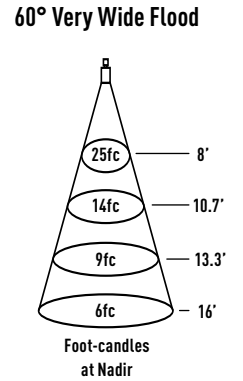
Watts: 20 LPW: 59
 Lumens: 1190 CCT: 3000K

Intensity	
Degree	CBCP
0°	3611
5°	3352
15°	1803
25°	556
35°	144
45°	28



Watts: 20 LPW: 54
 Lumens: 1080 CCT: 3000K

Intensity	
Degree	CBCP
0°	1801
5°	1727
15°	1273
25°	658
35°	275
45°	79



Watts: 20 LPW: 49
 Lumens: 993 CCT: 3000K

Intensity	
Degree	CBCP
0°	908
5°	894
15°	822
25°	643
35°	420
45°	164