

# GD2AR

## 2" Gravity LED Adjustable

### ELECTRICAL DATA

LED Light Engine	Nominal Delivered Lumens*	System Wattage**
L1	850lm @ 3000K / 82CRI	10 Watts
L2	1200lm @ 3000K / 82CRI	15 Watts
L3	1500lm @ 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 & 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 @ 7-25 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
- Shallow cone option for maximum flexibility and 45° of adjustability
- 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 SOLOdrive 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

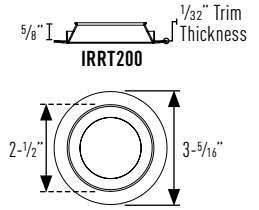
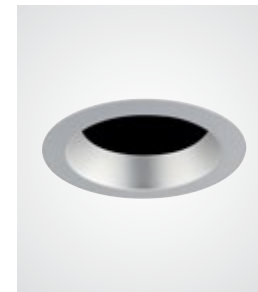
### LISTING / WARRANTY

- 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



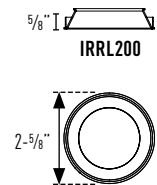
JOB NAME	CATALOG NUMBER
NOTES	TYPE

### Trimmed Reflectors

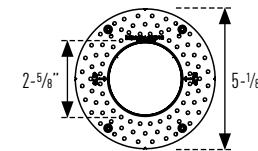


Ceiling Cutout: 2-7/8"

### 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: GD2ARNCL1279DIMSP)

Housing	Installation Type	Wattage	CCT / CRI	Dimming	Voltage	Optic	Options
GD2AR	NC (New Cons Non-IC)	L1 (10W)	27 (2700K / 82CRI)	DIM <sup>2</sup> (Phase Dimming) D101 (0-10V Dimming 1%) ED10V1 <sup>1,3</sup> (eldoLED 0-10V 1%) ED10V01 <sup>1,3</sup> (eldoLED 0-10V 0.1%) LUT <sup>1,3</sup> (Lutron® LDE1 EcoSystem 1%)	blank (120V) 27 (277V)	SP (16° SP) NF (24° NFL) FL (36° FL) WF (48° WFL) VF (60° VFL)	EM7 <sup>1,3,4</sup> (7W Emergency Backup IOTA part #ILB-CP07-A)
		L2 (15W)	279 (2700K / 92CRI)				
		L3 (20W)	30 (3000K / 82CRI)				
		RC (Remodel Non-IC)	309 (3000K / 92CRI)				
			35 (3500K / 82CRI)				
			359 (3500K / 92CRI)				
			40 (4000K / 82CRI)				
			409 (4000K / 92CRI)				

### Reflector Part Number: (Example: IRR200W-SF)

Reflector	Reflector Finish	Trim
IRR200 (5/8" Regress Trim)	W (White)	-SF (Self Flanged)
IRRL200 <sup>5</sup> (5/8" Regress Trimless)	B <sup>6</sup> (Black) HZ (Haze)	blank <sup>5</sup> (Trimless)

### Optional Accessory

GD2R-MR<sup>5</sup> Round 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 LM-0906.23 P-1

### Intense Lighting

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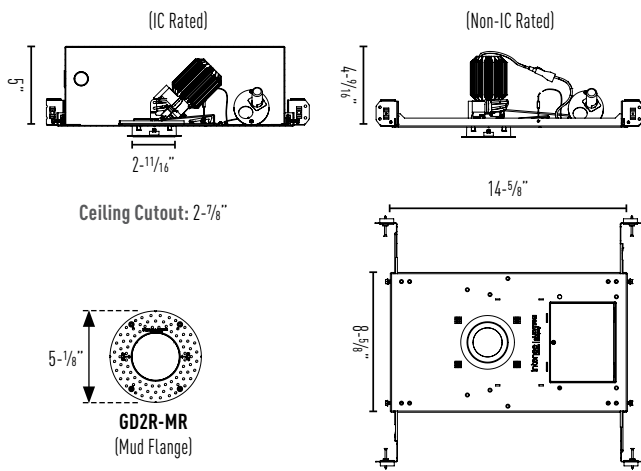
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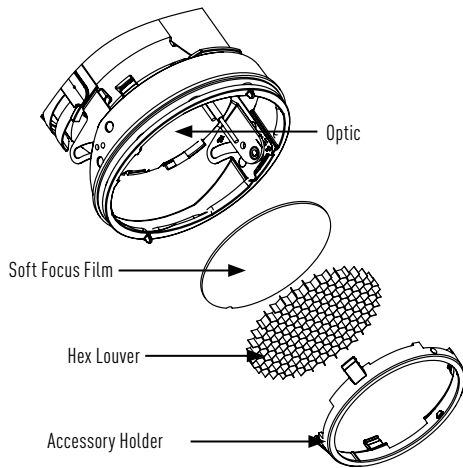
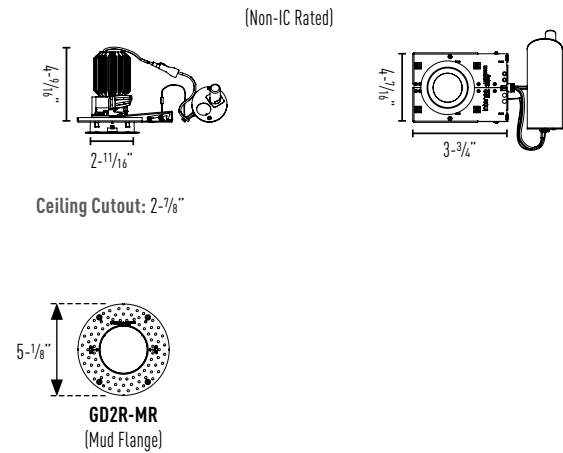
<b>JOB NAME</b>		<b>CATALOG NUMBER</b>	
<b>NOTES</b>		<b>TYPE</b>	

## New Construction Dimension (IC & Non-IC):



## Remodel Dimension (Non-IC):

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



## Optics

Field changeable 16° to 60° 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

## Remote Mounted Driver

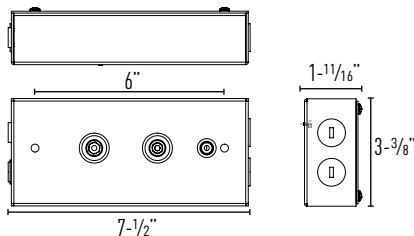
(For use with IC/AIC housings with eldoLED or Lutron dimming option)

- 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.



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JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

## IRAT200WL3

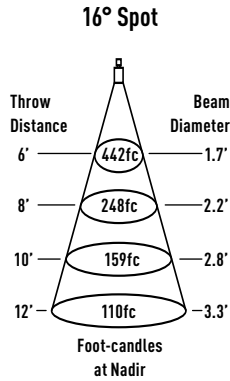
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 ILL-20190114-1 (24)  
 ILL-20190114-1 (36)  
 ILL-20190114-1 (48)  
 ILL-20190114-1 (60)

LED PACKAGE MULTIPLIERS:  
 IRAT200WL1 (x 0.58)  
 IRAT200WL2 (x 0.82)

IRRT200 (% REGRESS)  
 Trim Multiplier (x 0.99)

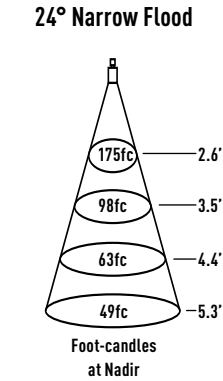
### CCT MULTIPLIERS:

	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)



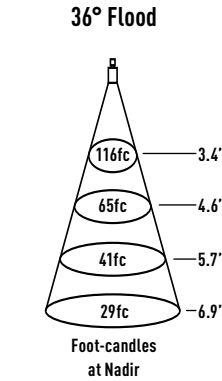
Watts: 20    LPW: 79.4  
 Lumens: 1589    CCT: 3000K

Intensity	
Degree	CBCP
0°	15914
5°	13019
15°	1498
25°	276
35°	44
45°	13



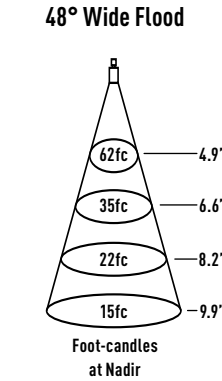
Watts: 20    LPW: 76  
 Lumens: 1527    CCT: 3000K

Intensity	
Degree	CBCP
0°	6324
5°	5589
15°	2374
25°	607
35°	148
45°	25



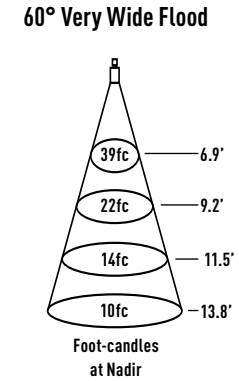
Watts: 20    LPW: 74  
 Lumens: 1497    CCT: 3000K

Intensity	
Degree	CBCP
0°	4199
5°	3903
15°	2274
25°	789
35°	233
45°	44



Watts: 20    LPW: 69  
 Lumens: 1390    CCT: 3000K

Intensity	
Degree	CBCP
0°	2246
5°	2166
15°	1676
25°	924
35°	385
45°	103



Watts: 20    LPW: 66  
 Lumens: 1333    CCT: 3000K

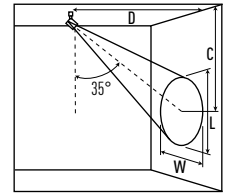
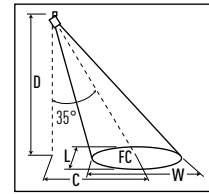
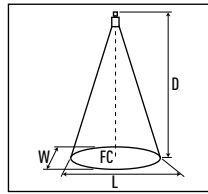
Intensity	
Degree	CBCP
0°	1435
5°	1393
15°	1242
25°	921
35°	504
45°	170

### APPLICATION DATA:

W and L are the outer points where the candle power drops to 50% of maximum. FC are the initial foot candles at the center of the beam.

- W: Beam width
- L: Beam length
- C: Distance to center of beam
- D: Distance
- FC: Foot-candles

Illuminated width & length are based upon point at which illuminance falls to 50% of center illuminance. Recommended spacing is based upon uniform illuminance aiming angle is the angle between the lamp axis and the perpendicular to the illuminated plane.



	0° HORIZONTAL				35° HORIZONTAL				35° VERTICAL					
	D	FC	W	L	D	C	FC	W	L	D	C	FC	W	L
IRAT200WL2WL3 3000K 16° Spot	6'	442	1.7	1.7	6'	4.2	243	2.4	2	3'	4.2	333	1.4	2.6
	8'	248	2.2	2.2	8'	5.6	136	3.3	2.6	4'	5.7	187	1.9	3.4
	10'	159	2.8	2.8	10'	7	87	4.1	3.3	5'	7.1	120	2.3	4.3
	12'	110	3.3	3.3	12'	8.4	60	4.9	4	6'	8.5	83	2.8	5.2
IRAT200WL2WL3 3000K 24° Narrow Flood	6'	175	2.6	2.6	6'	4.2	96	4	3.2	3'	4.2	132	2.3	4.4
	8'	98	3.5	3.5	8'	5.6	54	5.3	4.3	4'	5.7	74	3	5.9
	10'	63	4.4	4.4	10'	7	34	6.7	5.3	5'	7.1	47	3.8	7.4
	12'	49	5.3	5.3	12'	8.4	24	8	6.4	6'	8.5	33	4.6	8.9
IRAT200WL2WL3 3000K 36° Flood	6'	116	3.4	3.4	6'	4.2	64	5.3	4.2	3'	4.2	88	3	6.2
	8'	65	4.6	4.6	8'	5.6	36	7.1	5.6	4'	5.7	49	4	8.3
	10'	41	5.7	5.7	10'	7	23	8.9	7	5'	7.1	31	5	10.4
	12'	29	6.9	6.9	12'	8.4	16	10.6	8.4	6'	8.5	22	6	12.5
IRAT200WL2WL3 3000K 48° Wide Flood	6'	62	4.9	4.9	6'	4.2	34	8.0	6	3'	4.2	47	4.3	11.4
	8'	35	6.6	6.6	8'	5.6	19	10.7	8	4'	5.7	27	5.7	15.2
	10'	22	8.2	8.2	10'	7	12	13.3	10	5'	7.1	16	7.1	19
	12'	15	9.9	9.9	12'	8.4	8	16.0	12	6'	8.5	11	8.6	22.9
IRAT200WL2WL3 3000K 60° Very Wide Flood	6'	39	6.9	6.9	6'	4.2	21	12.2	8.4	3'	4.2	30	6	32.1
	8'	22	9.2	9.2	8'	5.6	12	16.3	11.2	4'	5.7	16	8	42.9
	10'	14	11.5	11.5	10'	7	7	20.4	14	5'	7.1	10	10	54.6
	12'	10	13.8	13.8	12'	8.4	5	24.5	16.8	6'	8.5	7	12	64.3