

# GD8DR / IRD802

## 8" Gravity LED Lensed Downlight - Wet Location

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

### 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

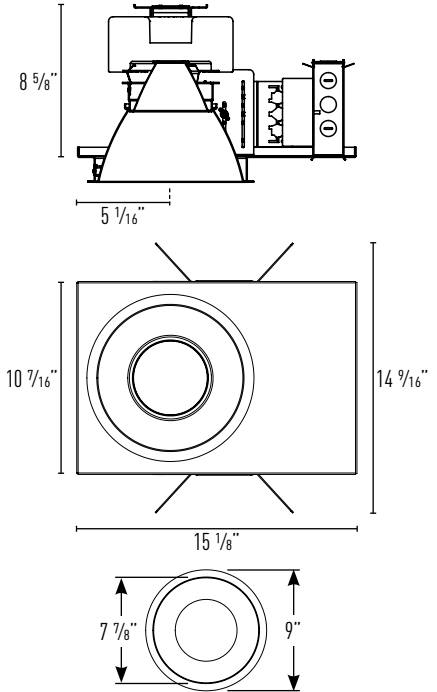
The luminaire is type Non-IC. Insulation must be kept at a minimum of 3" away from fixture. Accommodates up to 1 1/4" ceiling thickness. Universal mounting brackets included. Compatible with C-channel, flat bar, wood joist bar hanger and EMT. Bar hangers must be ordered separately. C-channel is recommended 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: 8 1/2"  
Maximum Ceiling Thickness: 1 1/4"

### Housing Part Number: (Example: GD8DRL327-DIM-NS)

Housing	Wattage		CCT / CRI		Dimming		Voltage	Optic	Options			
GD8DR	L1 <sup>1</sup>	(10W)	L8	(43W)	27	(2700K/82 CRI)	-DIM <sup>2</sup>	(Phase Dimming 5%)	blank (120V)	-NS <sup>4</sup> (14° Narrow Spot) -SP (20° Spot) -NF (30° Narrow Flood)	EM7 (7W Emergency Backup w/ Remote Test Switch [OTA part #ILB-CP07-A])	
	L2 <sup>1</sup>	(12W)	L9	(49W)	279	(2700K/92 CRI)	-D101	(0-10V Dimming 1%)	27 (277V)			
	L3	(14W)	L10	(50W)	30	(3000K/82 CRI)	-ED10V1 <sup>3</sup>	(eldoLED 0-10V 1%)	34 <sup>9</sup> (347V)			
	L4	(18W)	L11	(60W)	309	(3000K/92 CRI)	-ED10V01 <sup>3</sup>	(eldoLED 0-10V 0.1%)			-FL (40° Flood) -WF <sup>7</sup> (50° Wide Flood) -VF <sup>8</sup> (60° Very Wide Flood)	EM20 <sup>10</sup> (20W Emergency Backup w/ Remote Test Switch [OTA ILB-CP20-HE-A])
	L5	(23W)	L12	(74W)	35	(3500K/82 CRI)	-LUT <sup>4</sup>	(Lutron® LDE1 EcoSystem 1%)				
	L6	(30W)	L14	(87W)	359	(3500K/92 CRI)	-DMXR <sup>5</sup>	(DMX512 RDM 0.1%)				
	L7	(36W)			40	(4000K/82 CRI)						
				409	(4000K/92 CRI)							

### Reflector Part Number: (Example: IRD802HZ-SF-CR)

Reflector	Reflector Finish		Lens Type
IRD802	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 <sup>11</sup>	(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-049-24 P-4

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](http://www.intenselighting.com). For a printed copy of the warranty, you may call 800 961-5321.

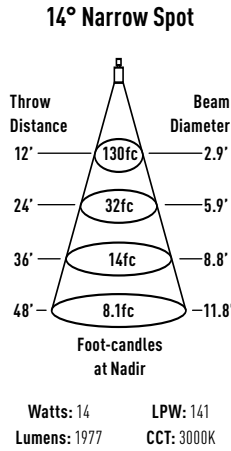
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JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

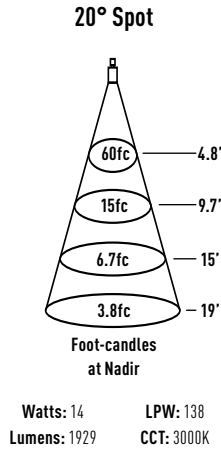
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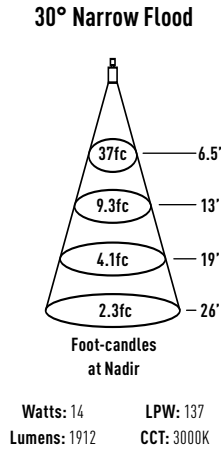
**CCT MULTIPLIERS:**  
**82 CRI**    **92 CRI**  
 2700K (x 0.95) (x 0.79)  
 3000K (x 1.00) (x 0.82)  
 3500K (x 1.02) (x 0.85)  
 4000K (x 1.03) (x 0.88)



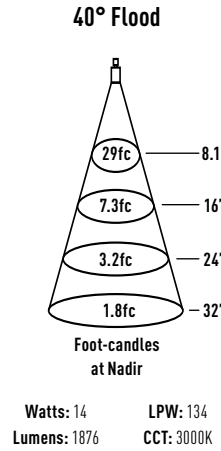
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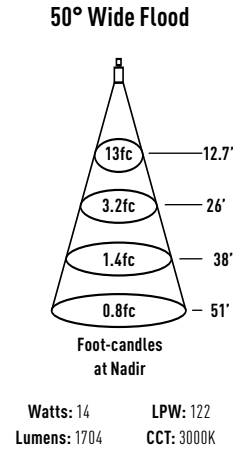
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25°	815
35°	82
45°	54



Intensity	
Degree	CBCP
0°	5343
5°	5016
15°	2695
25°	1148
35°	106
45°	37



Intensity	
Degree	CBCP
0°	4200
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15°	2684
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35°	123
45°	54

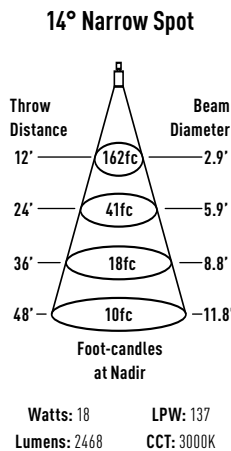


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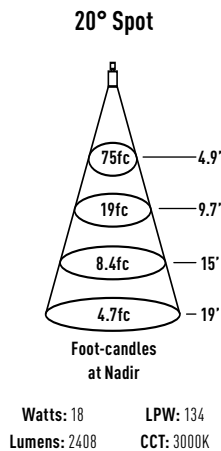
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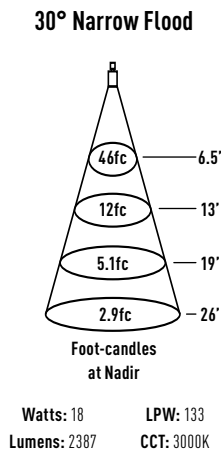
**CCT MULTIPLIERS:**  
**82 CRI**    **92 CRI**  
 2700K (x 0.95) (x 0.79)  
 3000K (x 1.00) (x 0.82)  
 3500K (x 1.02) (x 0.85)  
 4000K (x 1.03) (x 0.88)



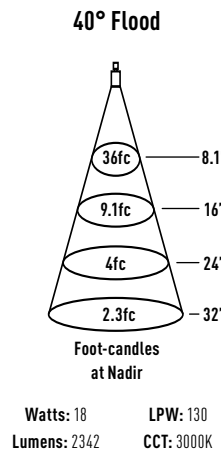
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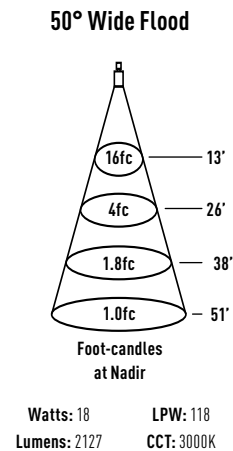
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5°	9196
15°	3273
25°	1018
35°	103
45°	67



Intensity	
Degree	CBCP
0°	6670
5°	6262
15°	3364
25°	1433
35°	133
45°	47



Intensity	
Degree	CBCP
0°	5243
5°	5040
15°	3351
25°	1507
35°	154
45°	67



Intensity	
Degree	CBCP
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5°	2252
15°	1913
25°	1358
35°	677
45°	246

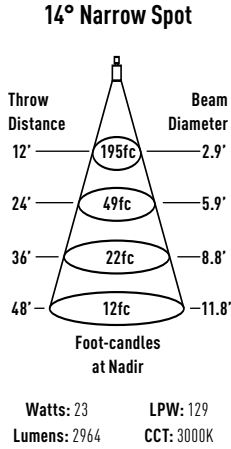
JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

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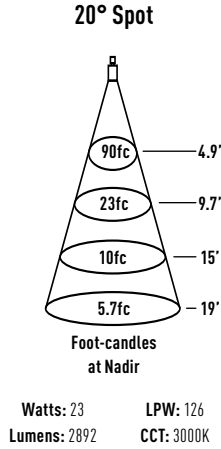
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### CCT MULTIPLIERS:

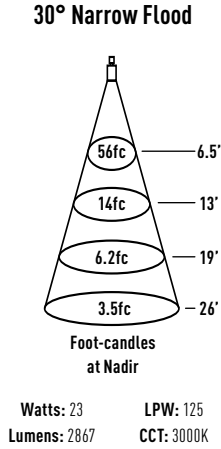
	<b>82 CRI</b>	<b>92 CRI</b>
2700K	(x 0.95)	(x 0.79)
3000K	(x 1.00)	(x 0.82)
3500K	(x 1.02)	(x 0.85)
4000K	(x 1.03)	(x 0.88)



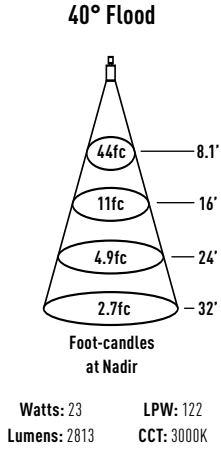
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Degree	CBCP
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15°	2464
25°	1168
35°	80
45°	54



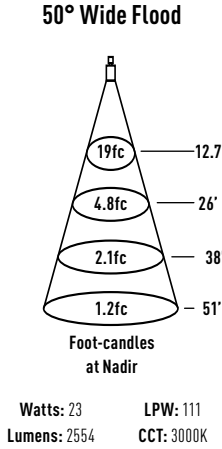
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Degree	CBCP
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5°	11041
15°	3930
25°	1222
35°	124
45°	81



Intensity	
Degree	CBCP
0°	8009
5°	7519
15°	4040
25°	1721
35°	160
45°	56



Intensity	
Degree	CBCP
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5°	6051
15°	4023
25°	1809
35°	185
45°	81



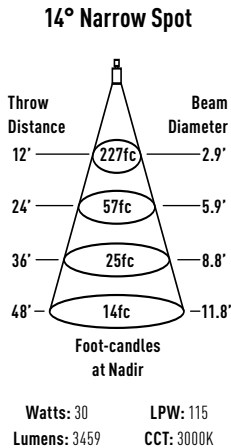
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25°	1630
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## GD8DRL6 IRD802HZ

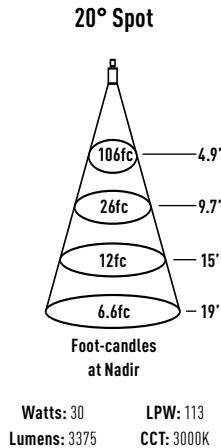
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### CCT MULTIPLIERS:

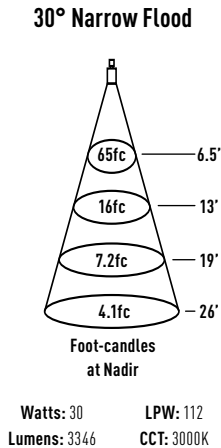
	<b>82 CRI</b>	<b>92 CRI</b>
2700K	(x 0.95)	(x 0.79)
3000K	(x 1.00)	(x 0.82)
3500K	(x 1.02)	(x 0.85)
4000K	(x 1.03)	(x 0.88)



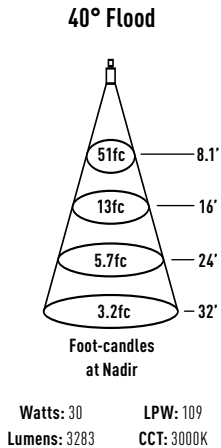
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45°	64



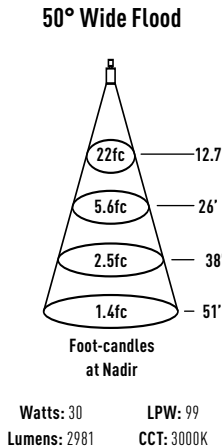
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5°	12887
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25°	1427
35°	144
45°	94



Intensity	
Degree	CBCP
0°	9347
5°	8775
15°	4715
25°	2009
35°	186
45°	65



Intensity	
Degree	CBCP
0°	7348
5°	7063
15°	4696
25°	2112
35°	216
45°	94



Intensity	
Degree	CBCP
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5°	3155
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35°	948
45°	344

# DIMMING COMPATIBILITY

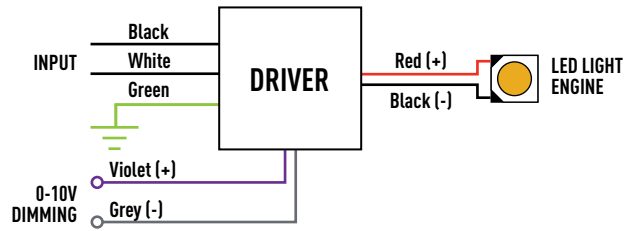
JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

## 0-10V DIMMING

- 120V/277V
- Dims down to 10%, 1% or 0.1% light output
- Consult dimming manufacturer for installation instructions and power packs

### COMPATIBLE DIMMERS

Manufacturer	Part Number(s)
HUNT	PS-010-IV-120V, PS-010-WH-120V, PS-010-3W-IV-120, PS-010-3W-WH-120V, PS-010-IV-277V, PS-010-WH-277V, PS-010-3W-IV-277V, PS-010-3W-WH-277V, FD-010: PS-IFC-010-IV, PS-IFC-010-WH-120/277V, FD-010: PS-IFC-010-3W-IV, PS-IFC-010-3W-WH-120/277V, FD-010-120V, FD-010-277V
Leviton	Leviton Centura Fluorescent Control System, IllumaTech™ IP7 Series, DPSPE-212
Lightolier	ZP600FAM120, MP1500FAM120, V2000FAMU
Lithonia	LEQ BC, LEQ LVBC, SLD LVBC, SQ1DC
Lutron	DVTV, NTFTV
Synergy	ISD BC 120/277

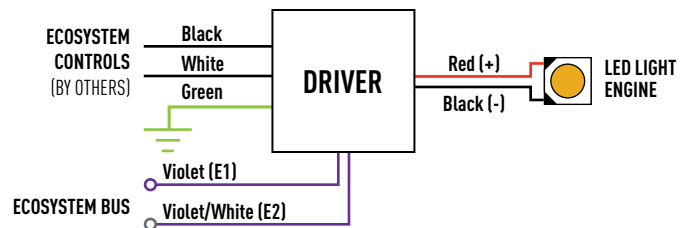


## LUTRON ECOSYSTEM® DIMMING

- 120V or 277V
- Dims down to 1%
- Consult dimming manufacturer for installation instructions

### COMPATIBLE DIMMERS

CS-1L-WM, CS-2L-WM, CS-1L-CM, CS-2L-CM, EcoSystem ESN, Grafik Eye QS with EcoSystem, Quantum

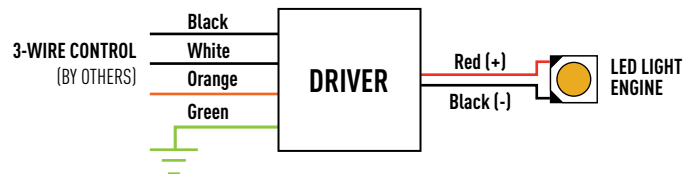


## LUTRON HI-LUME® DIMMING

- 120V or 277V
- Dims down to 1%
- Consult dimming manufacturer for installation instructions

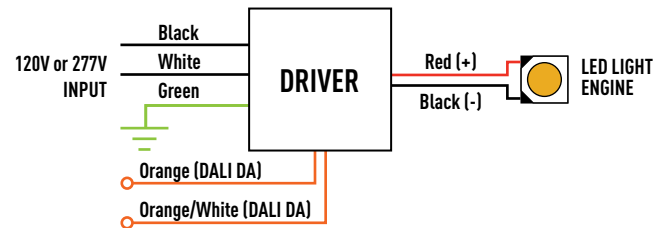
### COMPATIBLE DIMMERS

AYF-103P, AYF-103P-277, DVF-103, DVF-103P-277, DVSCF-103P, DVSCF-103P-277, HQRD-F6AN-DV, LXF-103PL, LXF-103PL-277, NF-10, NF-103P, NF-103P-277, NF-10-277, NTF-10, NTF-103P, NTF-103P-277, NTF-10-277, RRD-F6AN-DV, SF-12P-277-3, SF-103P, MAF-6AM, MAF-6AM-277, MSCF-6AM, MCSF-6AM-277, MRF2-F6AN-DV, SF-10P, SF-12P-277, SPSF-6A, SPSF-6A-277, SPSF-6AM, SPSF-6AM-277, VF-10, VTF-6AM



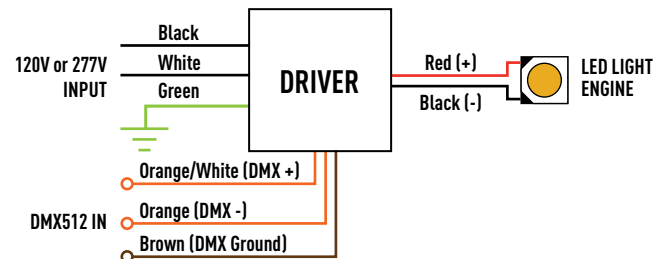
## DALI DIMMING

- 120V or 277V
- Dims down to 1% or 0.1% light output



## DMX512 RDM DIMMING

- 120V or 277V
- Dims down to 0.1% light output
- RDM channel programmable



GRAVITY DOWNLIGHT LJM-04924P-9

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](http://www.intenselighting.com). For a printed copy of the warranty, you may call 800 961-5321.

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