

# GC4DRREM

## 4" Gravity BIOS Downlight Cylinder With Remote Driver Enclosure

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

### 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	9W	56 lm/W	BS02	1500lm	26W	58 lm/W
BS01	1000lm	17W	59 lm/W	BS03	2000lm	33W	61 lm/W

\*System Wattage include driver and LED Module consumption. / \*\* Delivered lumens will vary depending on CCT, CRI and optic selection

### FEATURES

- BIOS Illuminated: Blue Spectrum Peak Emission at 490 nm
- High performance cylinder extruded from aluminum in durable powder coat finishes
- Control protocols from ELV, 0-10V, 2-wire, DALI and DMX with options available in 0.1% and dim-to-dark

### 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® LDE1 Hi-Lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology
- Lutron® LTEAZW 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.
- eldoLED 0.1% drivers dim to 0% as standard. If 0.1% is desired, ensure control signal does not go below 1.0V
- 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.

### 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).

### REFLECTOR

Specification grade reflector with 1.5mm thickness. Reflector available in haze, white, clear, black or wheat finish. Consult factory for other colors. Architectural, discrete polished self flange standard. Meets RP-1 requirements with controlled light distribution at a 55° cut off.

### REMOTE DRIVER ENCLOSURE

- Galvanized steel construction
- 50ft remote distance maximum

### ACCESSORIES

Luminaire will accommodate (2) accessories, accessory holder required.

### MOUNTING

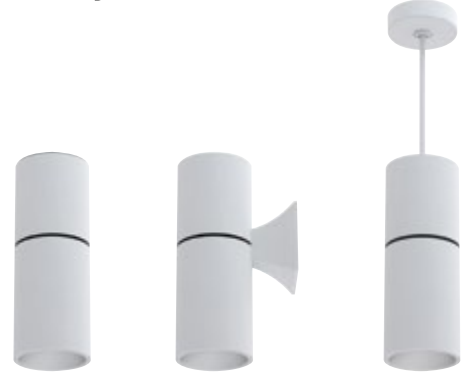
- Surface mount for direct installation to 3" or 4" Octagonal J-Box.
- 144" Aircraft cable is supplied with canopy assembly.
- Aircraft cable with DMX dimming, supplied with smart canopy.
- Wall mount bracket for installation to 4" Octagonal J-Box.
- Pendant stems supplied with complete canopy assembly.
- Supplied aircraft cables and slope pendant stems are cuttable and can be modified in the field.
- Stem length available from 12-inch to 96-inches. Accessories plate available, see next page for ordering info.

### LISTING / WARRANTY

- ETL Listed to US and Canadian standards for damp locations
- 5-Year Intense LED Limited Warranty



Gravity™



Dimension are on Page 2

### Accessories

LH63	(Black Accessory Holder)
LH63W	(White Accessory Holder)
PFL2-63	(Linear Spread Lens)
PFL4-63	(Solite Soft Focus Lens)
PFLMB-63	(Black Hex Louver)

### Cylinder Part Number (Example: N/A TBD)

Cylinder	Wattage	CCT / CRI	Optic	Cylinder Finish	Reflector Finish	Mounting
GC4DRREM	BS05 <sup>1</sup> (9W)	30 (3000K / 80 CRI)	-SP (20° Spot)	W (White)	HZ (Haze)	C144 (144" Aircraft Cable)
	BS1 (17W)	35 (3500K / 80 CRI)	-NF (30° Narrow Flood)	B (Black)	W (White)	P12 (12" Slope Pendant)
	BS2 (26W)	40 (4000K / 80 CRI)	-FL (40° Flood)	SV (Silver)	C (Clear)	P24 (24" Slope Pendant)
	BS3 (33W)		-WF (50° Wide Flood)		B <sup>2</sup> (Black)	P36 (36" Slope Pendant)
					WHT <sup>2</sup> (Wheat)	P48 (48" Slope Pendant)
						P96 <sup>3</sup> (96" Slope Pendant)
						WB (Wall Bracket)
						S (Surface)

### Remote Emergency Power Box (Example: N/A TBD)

Remote Box	Wattage	Dimming	Voltage	Emergency Back Up
REMGC4	BS05 <sup>1</sup> (9W)	DIM <sup>4</sup> (Phase Dimming)	blank (120V)	EM7 (7W Emergency Backup <a href="#">IOTA part #ILB-CP07-A</a> )
	BS1 (17W)	D101 (0-10V Dimming 1%)	27 (277V)	EM20 <sup>5</sup> (20W Emergency Backup <a href="#">Bodine part #BSL20LV</a> )
	BS2 (26W)	ED10V1 (eldoLED 0-10V 1%)		
	BS3 (33W)	ED10V01 (eldoLED 0-10V 0.1%)		
		LUT (Lutron® LDE1 EcoSystem 1%)		
		LUT2 <sup>4</sup> (Lutron® LTEAZW 2-Wire 1%)		
		DMXR (DMX512 RDM 0.1%)		

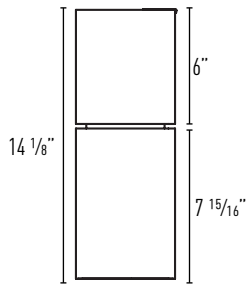
- Notes:
- BS05 Not Available With (DIM) Phase Dimming
  - Consult factory for lead times
  - (2) 48" Stems With Coupler
  - Available in 120V only
  - EM20 Not Available with BS05 & BS01

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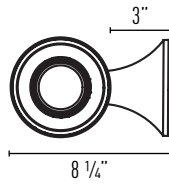
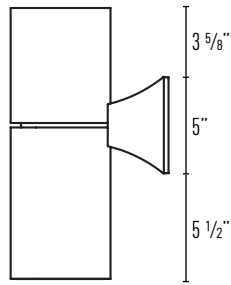
4" Gravity BIOS Downlight Cylinder With Remote Driver Enclosure

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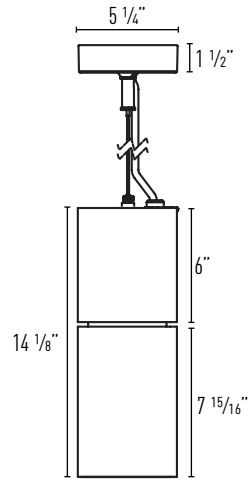
## Surface Mount



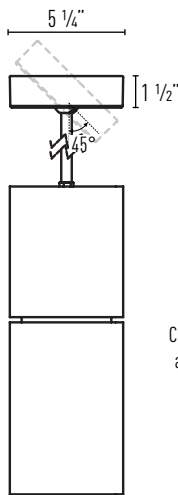
## Wall Mount



## Aircraft Cable

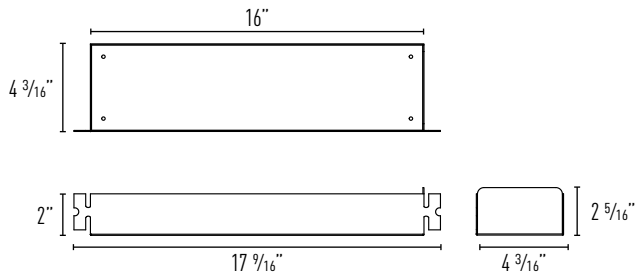


## Slope Pendant Mount

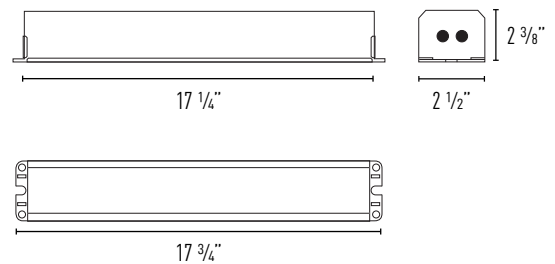


Canopy can be mounted at a maximum angle of 45°

## Remote Driver Enclosure



## Emergency Backup



# GC4DRREM

## 4" Gravity BIOS Downlight Cylinder With Remote Driver Enclosure

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<b>NOTES</b>		<b>TYPE</b>	

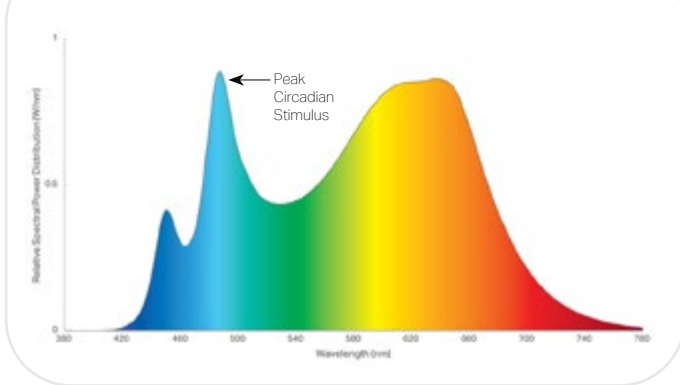
### 0-10V Dimming Electrical Table: System Wattage

Lumen Package	Voltage	Wattage	VA	Input Current	Power Factor
BS05	120	8.15	8.98	0.07	0.908
	277	8.47	12.50	0.05	0.678
BS1	120	15.85	16.18	0.13	0.980
	277	16.45	19.51	0.07	0.843
BS2	120	25.41	25.75	0.21	0.987
	277	25.9	29.25	0.11	0.885
BS3	120	32.64	32.91	0.27	0.992
	277	33.12	36.89	0.13	0.898

### Phase Dimming Electrical Table: System Wattage

Lumen Package	Voltage	Wattage	VA	Input Current	Power Factor
BS1	120V	15.40W	15.87	0.13	0.970
	277V				
BS2	120V	24.80W	25.22	0.21	0.983
	277V				
BS3	120V	31.96W	32.94	0.27	0.970
	277V				

BIOS Dynamic SkyBlue - High M/P Ratio SPD (3500K Day)



BIOS Dynamic SkyBlue - Low M/P Ratio SPD (2700K Night)

