

GC2DR

2" Gravity LED Downlight Cylinder

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

ELECTRICAL DATA

LED Light Engine	Nominal Delivered Lumens*	System Wattage**
L1	850lm @ 3000K / 82 CRI	10 Watts
L2	1200lm @ 3000K / 82 CRI	16 Watts
L3	1500lm @ 3000K / 82 CRI	20 Watts

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

FEATURES

- Field changeable 16° to 60° Optics
- Integral field changeable accessory holder
- High performance cylinder extruded from aluminum in durable powder coat finishes

LED LIGHT ENGINE

- 10W, 16W & 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° Wide Flood
- Accepts (2) field changeable filter media

ELECTRICAL SYSTEM

- Universal 120-277V 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.

DIMMING

- Forward/reverse phase dimming 1% (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
- DMX512 RDM 0.1% with RJ45 Interface

REMOTE BOX

- Remote box included when required by specification
- Galvanized steel construction
- Above ceiling access required for servicing
- Separate line voltage and low voltage wiring compartments
- 50ft remote distance maximum

REFLECTOR

- Specification grade 1.0mm spun aluminum reflector
- Reflector available in White, Black or Haze finishes (consult factory for other finishes)

MOUNTING

- Fixtures mounts to recessed 3" or 4" octagon J-Box
- Cable mount option require remote driver box for 0-10V, eldoLED, Lutron® & DMXR dimming options)
- Cable / Pendant options are supplied with complete canopy assembly and color matched to housing finish
- Cable mount option are field adjustable
- Pendant mount option is not field cuttable.

LISTING / WARRANTY

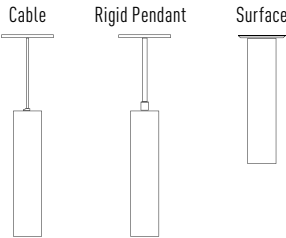
- 5-Year Intense LED Limited Warranty
- ETL Listed to US and Canadian standards for damp locations
- Can be used to comply with Title 24, Part 6, JA8 high efficacy LED light source requirements 7



Available Trim Finishes



Mounting Options



Cylinder Part Number (Example: GC2DR2L1279ED10V01NSSVWHT-HISSV)

Cylinder	Height	Wattage	CCT / CRI	Dimming	Optic
GC2DR	2 (12in)	L1 (10W)	27 (2700K / 82 CRI)	DIM ¹ (Phase Dimming 1%)	SP (16° SP)
		L2 (16W)	279 (2700K / 92 CRI)	D101 ² (0-10V Dimming 1%)	NF (24° NFL)
		L3 (20W)	30 (3000K / 82 CRI)	ED10V1 ³ (eldoLED 0-10V 1%)	FL (36° FL)
			309 (3000K / 92 CRI)	ED10V01 ³ (eldoLED 0-10V 0.1%)	WF (48° WFL)
			35 (3500K / 82 CRI)	LUT ^{3,4} (Lutron® LDE1 EcoSystem 1%)	VF (60° VFL)
			359 (3500K / 92 CRI)	DMXR ^{3,5} (DMX512 RDM 0.1%)	
			40 (4000K / 82 CRI)		
			409 (4000K / 92 CRI)		

Cylinder Finish	Reflector Finish	Lens	Mounting Type
W (White)	W (White)	blank (No Lens)	C48 ² (48" Cable)
B (Black)	B ⁶ (Black)	-SL (Solite)	C96 ² (96" Cable)
	HZ (Haze)		R12 (12" Rigid Pendant)
			R24 (24" Rigid Pendant)
			R36 ⁸ (36" Rigid Pendant)
			R48 (48" Rigid Pendant)

Accessories

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

Replacement Optics

Field changeable 16° to 60° optics

- IP-OP45SP (16° SP)
- IP-OP45NF (24° NFL)
- IP-OP45FL (36° FL)
- IP-OP45WF (48° WFL)
- IP-OP45VF (60° VFL)

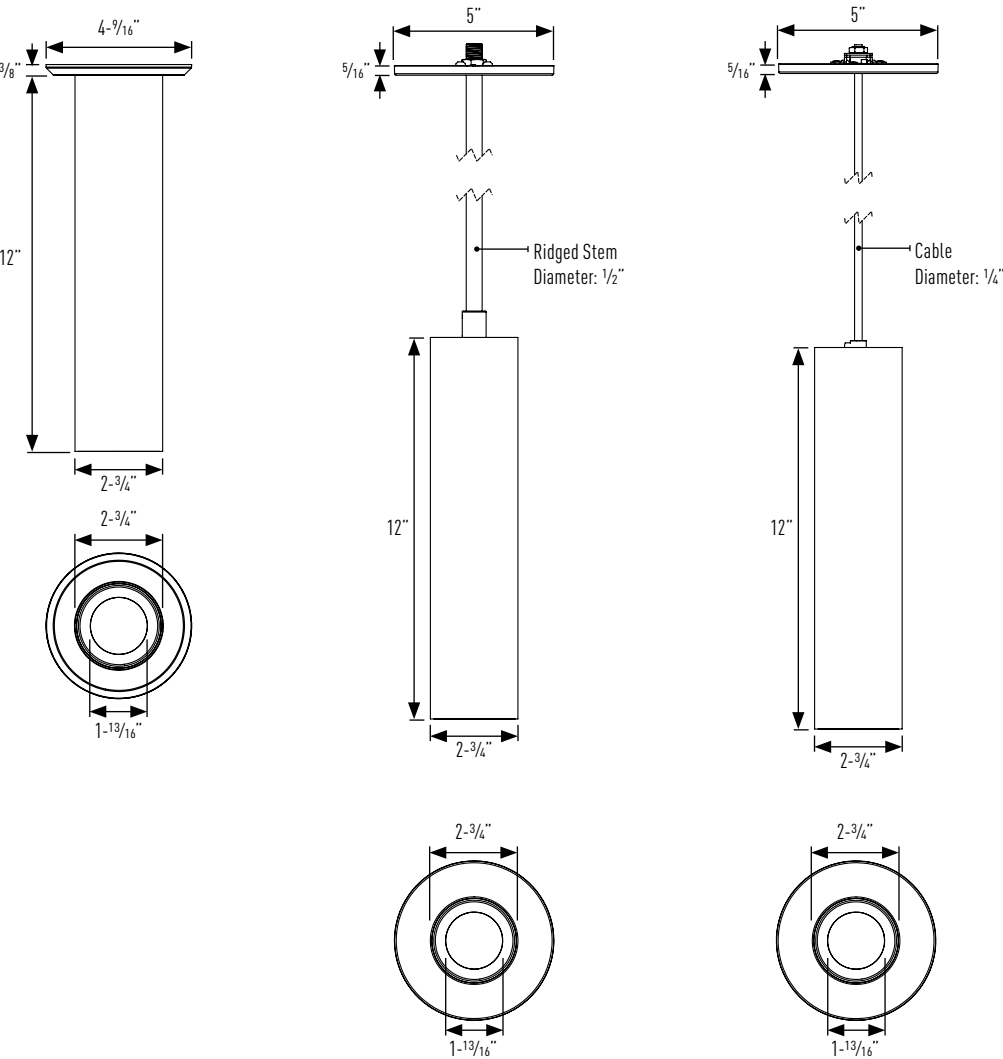
Notes:

- Available in 120V only
- 0-10V require remote driver box for cable mount option
- Remote driver box required for eldoLED, Lutron® & DMXR dimming options
- Lutron® not available in L3
- DMXR not available in L1 & L2
- Special order, consult factory for lead times
- Title 24 Excludes: 80 CRI
- Special order. Note: 36" Pendant is made with (1) 12" & 24" w/ coupler

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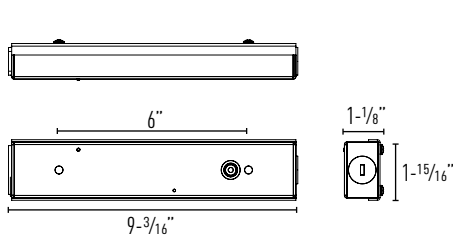
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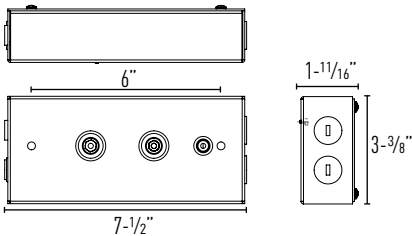
Remote Mounted Driver Options

Remote box included when required by specification



Remote driver box for cable mount option with 0-10V dimming

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. Above ceiling access required for servicing



Remote driver box for eldoLED, Lutron® & DMXR dimming options

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. Above ceiling access required for servicing

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IRDT200WL3

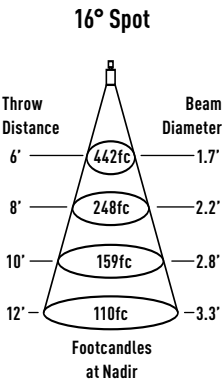
Report #: ILL-20190114-1 (16)
ILL-20190114-1 (24)
ILL-20190114-1 (36)
ILL-20190114-1 (48)
ILL-20190114-1 (60)

LED PACKAGE MULTIPLIERS:
IRDT200WL1 (x 0.58)
IRDT200WL2 (x 0.82)

IRRT200 (5% REGRESS)
Trim Multiplier (x 0.99)

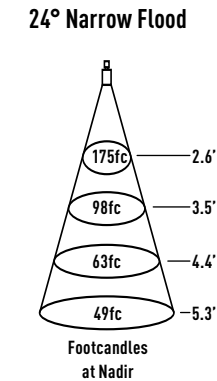
CCT MULTIPLIERS:

	82 CRI	92 CRI
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)



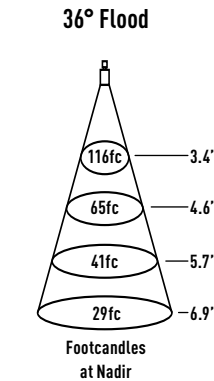
Watts: 20 LPW: 79.4
Lumens: 1589 CCT: 3000K

Candelas at Nadir	
Degree	CBCP
0°	15914
5°	13019
15°	1498
25°	276
35°	44
45°	13



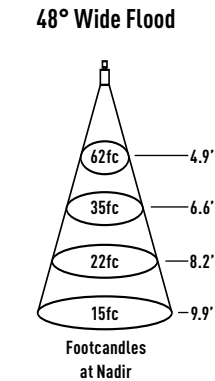
Watts: 20 LPW: 76
Lumens: 1527 CCT: 3000K

Candelas at Nadir	
Degree	CBCP
0°	6324
5°	5589
15°	2374
25°	607
35°	148
45°	25



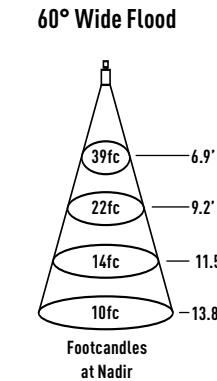
Watts: 20 LPW: 74
Lumens: 1497 CCT: 3000K

Candelas at Nadir	
Degree	CBCP
0°	4199
5°	3903
15°	2274
25°	789
35°	233
45°	44



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

Candelas at Nadir	
Degree	CBCP
0°	2246
5°	2166
15°	1676
25°	924
35°	385
45°	103



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

Candelas at Nadir	
Degree	CBCP
0°	1435
5°	1393
15°	1242
25°	921
35°	504
45°	170