DCC4

Adjustable LED Cylinder
Surface, Cord, Stem, Wall Mount

Project:		Type:	
Product Code:		Date:	

Large, bronze, surface mount shown

- Precise, 360° adjustability expands the capabilities of DMF's DCC Cylinder

- Class leading 45° tilt and 20°, 30°, or 40° optics put light control at your fingertips

- Up to 6000 candelas of focused light with 90+ CRI without sacrificing efficiency

- Tool-free, field changeable optics and accessories simplify specification and adapt to your design

360° rotation   45° tilt

Lumen Output
650 lm (9.7W), 800 lm (12.0W)

Color Quality
90+ CRI, 2-step SDCM

Color Temperature

2700K   3000K   3500K   4000K

Optics

Spot (20°)   Narrow Flood (30°)   Flood (40°)

Center Beam Candlepower (CBCP)
6000cd (Spot, 800 lm)

Mount
Surface, Stem, Cord, Wall, Wall Up/Down

Size
Length: Small (4"), Medium (8"), Large (12")   Diameter: 4"

Finish
White, Black, Brushed Aluminum, Bronze, Custom

Stem/Cord Length
24" (standard), Up to 96" (custom)

Adjustment
360° directional aim, 45° tilt

Input Voltage
120/277V

Dimming
TRIAC/ELV 5%
0-10V 1%
Lutron Hi-lume® 1%

Emergency Lighting
Optional Emergency Inverter or LED Driver for lighting up to 90 minutes in event of power failure

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Standards

JA8 TITLE 24   ENERGY STAR   c(UL)us LISTED

Ratings

Damp location

Guarantee

50,000 hrs | 5 years

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PRODUCT BUILDER

CYLINDER

PRODUCT CODE		MOUNT & CYLINDER		SIZE		LUMENS		CCT		OPTICS		FINISH		DRIVER	
DCC4	Cylinder	SM	Surface Mount	S	Small	06	650 lm	27	2700K	S	Spot	W	White	[Blank]	TRIAC/ELV
		CM	Cord Mount [1,2]	M	Medium	08	800 lm	30	3000K	N	Narrow Flood	B	Black	O	0-10V[3]
		TM	Stem Mount [1]	L	Large	66	650 lm up/down [4]	35	3500K	F	Flood	Z	Bronze	C	Lutron LDE1[3,5]
		WM	Wall Mount [3]			88	800 lm up/down [4]	40	4000K	X	Spot, Narrow [4]	A	Brushed Aluminum	L	Lutron LTEA2W[3,6]
										Y	Spot, Flood [4]	C	Custom Color	TE	TRIAC/ELV, Remote Inverter
										Z	Narrow, Flood [4]			OE	0-10V, EM Driver [3]
														CE	Lutron LDE1, EM Driver [3,5]
														LE	Lutron LTEA2W, EM Driver [3,6]

ACCESSORIES

DCC2X-CCM	Custom Length Cord Mount (up to 96") [1]
DCC2X-CTM	Custom Length Stem Mount (up to 96") [1]
DCC2X-48CM	48" Alternate Length Cord Mount[1]

[1] 24" standard length, 48" no charge alternate length (cord); Use Custom Order Form to specify custom length

[2] White cord standard for White finish, black cord standard for Black or Bronze finish, silver cord standard for Brushed Aluminum finish; unless specified otherwise

[3] Only available in Medium or Large size

[4] Only applicable for Large Wall Mounts

[5] Lutron LDE1 Dimming refers to Lutron Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black

[6] Lutron LTEA2W Dimming refers to Lutron Hi-lume 1% 2-wire LED driver, 120V only

PRODUCT SUMMARY

Large, black, stem mount shown

SUMMARY

LED: Cree® LED

DELIVERED LUMENS: 650 lm (9.7W), 800 lm (12.0W)

EFFICACY: 67 lm/W

COLOR QUALITY: 90+ CRI, 2-step SDCM

CCT: 2700K, 3000K, 3500K, 4000K

OPTICS: Spot (20°), Narrow Flood (30°), Flood (40°)

CENTER BEAM CANDLE POWER: 6000cd (Spot 800 lm)

DIMMING: Down to less than 5% for TRIAC/ELV at 120V, 1% for 0-10V or Lutron Hi-lume® 1% at 120/277V

INPUT VOLTAGE: 120/277V, 50/60Hz

MAX INPUT CURRENT (120V): 0.090 amps, 0.107 amps

MAX INPUT CURRENT (277V): 0.042 amps, 0.050 amps

POWER FACTOR: Greater than 0.9

TOTAL HARMONIC DISTORTION: Less than 20%

AMBIENT OPERATING TEMPERATURE: -20°C to 40°C

EMERGENCY LIGHTING: Optional installer mounted Remote Inverter or Emergency LED Driver for lighting up to 90 minutes in event of power failure

PHOTOMETRIC TESTING: Tested in accordance to IESNA LM-79-2008

LISTINGS: ENERGY STAR® qualified, California Title 24 2016 JA8 compliant, UL Listed for Damp Location, cULus Listed

LIFETIME: 50,000 hours at 70% lumen maintenance

CYLINDER: Extruded aluminum; 4" (small), 8" (medium), 12" (large)

FINISH: White, Black, Bronze, Brushed Aluminum, Custom Color

PENDANT: 24" standard, 48" no charge alternate (cord), custom length available up to 96". Cord: White, black or silver with round canopy. Stem: Painted steel stem with round canopy and hanging straight endpoint with up to 30° tilt (meets CA IR 16-9).

MOUNT: Surface, Cord, Stem: Installs in most 3" octagonal, 4" octagonal, 3" round and 4" round boxes. Wall Mount: Installs in most one-gang switch boxes.

WARRANTY: 5 year limited warranty

CYLINDER DIMENSIONS

Surface Mount
LED Cylinder
DCC4SM

A

ø4 5/16 "
(109mm)
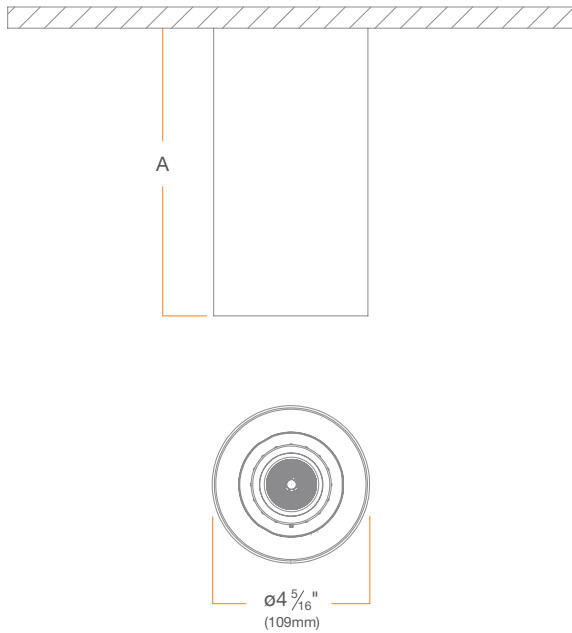
Cord Mount
LED Cylinder
DCC4CM

1/4 "
(6mm)

24" (610mm) STANDARD
48" (1219mm) ALTERNATE
UP TO 96" (2438mm) CUSTOM

B

ø4 5/16 "
(109mm)
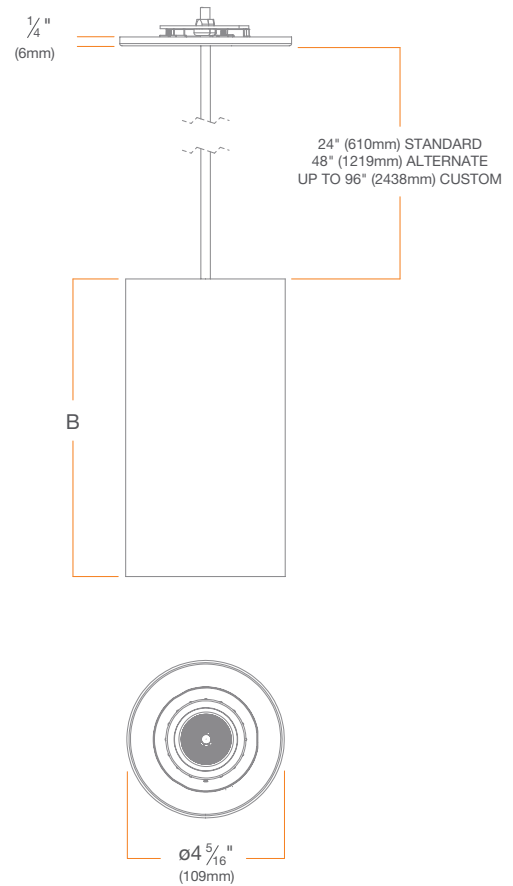
CYLINDER SIZE	A
Small	4" [102 mm]
Medium	8" [203 mm]
Large	12" [305 mm]

CYLINDER SIZE	B
Small	4" [102 mm]
Medium	8" [203 mm]
Large	12" [305 mm]

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CYLINDER DIMENSIONS

Stem Mount
LED Cylinder
DCC4TM

$\frac{1}{4}$ "
(6mm)

24" (610mm) STANDARD
UP TO 96" (2438mm) CUSTOM

C

ø4 $\frac{5}{16}$ "
(109mm)
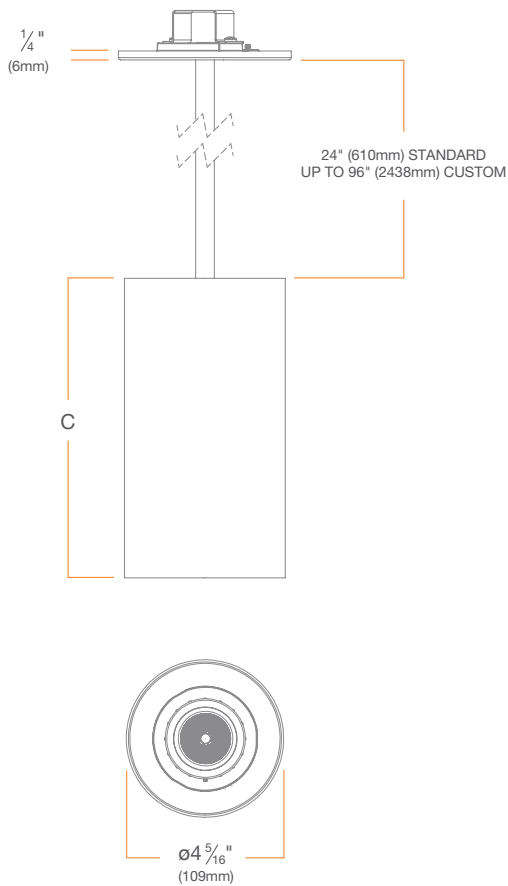
Wall Mount Downlight
LED Cylinder
DCC4WM

D

1"
(25mm)

ø4 $\frac{5}{16}$ "
(109mm)
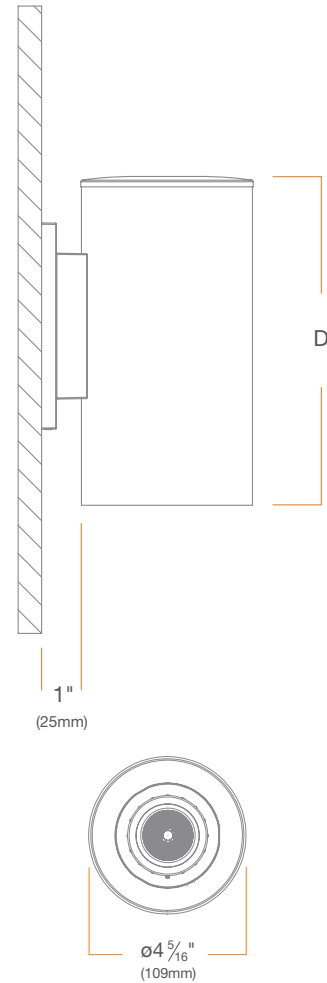
CYLINDER SIZE	C
Small	4" [102 mm]
Medium	8" [203 mm]
Large	12" [305 mm]

CYLINDER SIZE	D
Medium	8 $\frac{1}{4}$" [210 mm]
Large	12 $\frac{1}{4}$" [311 mm]

CYLINDER DIMENSIONS

Wall Mount Up and Downlight
LED Cylinder
DCC4WM

E

1 "
(25mm)

ø4 $\frac{5}{16}$ "
(109mm)
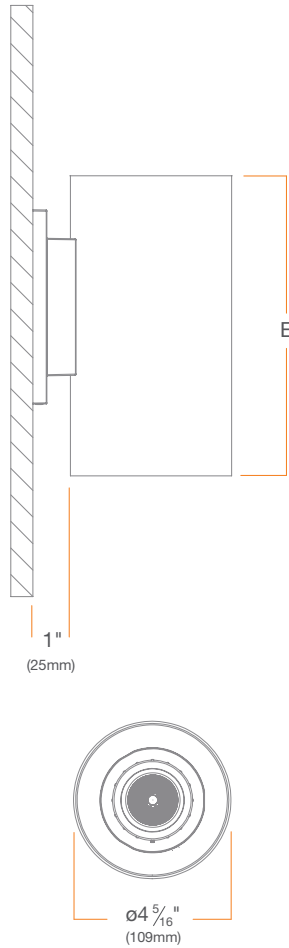
CYLINDER SIZE	E
Large	12" [305 mm]

PHOTOMETRY

DCC4 Cord Mount, Medium, 800 lm, 90 CRI, 3000K, Spot, White DCC4CMM08930SW
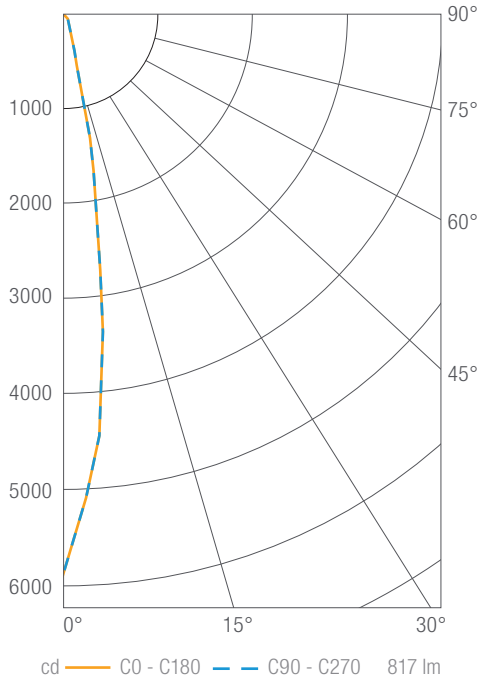
cd —— C0 - C180   – – C90 - C270   817 lm

Luminous Intensity

Gamma	C 0°
0.0º	5897
5.0º	4418
10.0º	1911
15.0º	561
20.0º	280
25.0º	165
30.0º	117
35.0º	87
40.0º	69
45.0º	57
50.0º	47
55.0º	38
60.0º	31
65.0º	23
70.0º	16
75.0º	10
80.0º	4
85.0º	1
90.0º	0

Values in candela

Zonal Lumen Summary

Zone	Lumens	Luminaire %
0-30	645	79
0-40	701	86
0-60	781	96
0-90	817	100
0-180	817	100

Illuminance Chart

Distance from LED	Foot Candles	Diameter
3.0'	655	0.8'
6.0'	164	1.7'
9.0'	73	2.5'
12.0'	41	3.3'

Beam Angle: 16°

DCC4 Cord Mount, Medium, 800 lm, 90 CRI, 3000K, Narrow Flood, White DCC4CMM08930NW
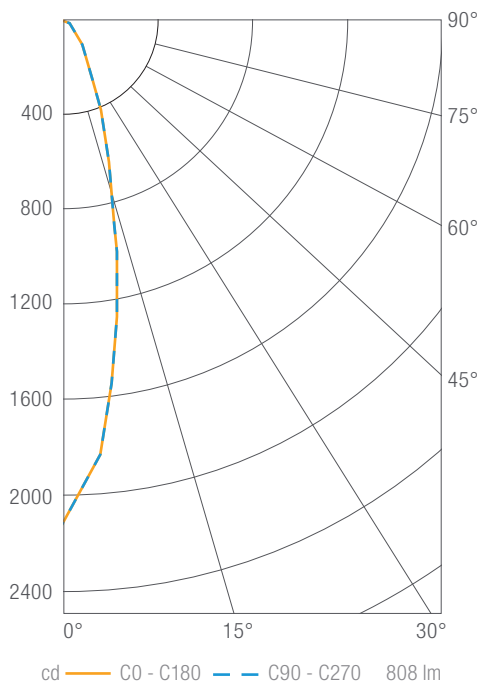
cd —— C0 - C180   – – C90 - C270   808 lm

Luminous Intensity

Gamma	C 0°
0.0º	2105
5.0º	1826
10.0º	1282
15.0º	800
20.0º	497
25.0º	310
30.0º	201
35.0º	137
40.0º	98
45.0º	73
50.0º	57
55.0º	45
60.0º	35
65.0º	23
70.0º	12
75.0º	5
80.0º	3
85.0º	2
90.0º	0

Values in candela

Zonal Lumen Summary

Zone	Lumens	Luminaire %
0-30	573	71
0-40	668	83
0-60	773	96
0-90	808	100
0-180	808	100

Illuminance Chart

Distance from LED	Foot Candles	Diameter
3.0'	234	1.3'
6.0'	58	2.6'
9.0'	26	3.9'
12.0'	15	5.2'

Beam Angle: 28°

PHOTOMETRY

DCC4 Cord Mount, Medium, 800 lm, 90 CRI, 3000K, Flood, White DCC4CMM08930FW
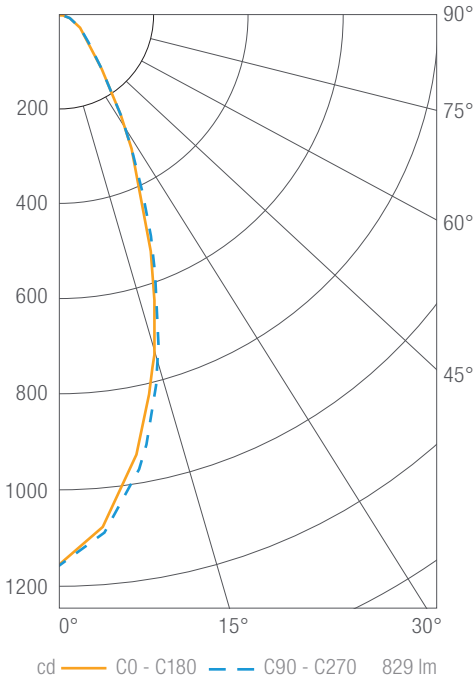
cd —— C0 - C180 – – C90 - C270 829 lm

Luminous Intensity

Gamma	C 0˚
0.0º	1158
5.0º	1081
10.0º	941
15.0º	765
20.0º	576
25.0º	414
30.0º	288
35.0º	192
40.0º	130
45.0º	96
50.0º	76
55.0º	61
60.0º	49
65.0º	38
70.0º	28
75.0º	18
80.0º	10
85.0º	4
90.0º	0

Values in candela

Zonal Lumen Summary

Zone	Lumens	Luminaire %
0-30	510	62
0-40	633	76
0-60	766	92
0-90	829	100
0-180	829	100

Illuminance Chart

Distance from LED	Foot Candles	Diameter
3.0'	129	2.2'
6.0'	32	4.5'
9.0'	14	6.7'
12.0'	8	9.0'

Beam Angle: 41°

Lumen Scaling

DCC4CMM06 (650 lm)	DCC4CMM08 (800 lm)
0.80	1.00

CCT Scaling

DCC4CMM08927 (2700K)	DCC4CMM08930 (3000K)	DCC4CMM08935 (3500K)	DCC4CMM08940 (4000K)
0.93	1.00	1.00	1.07

TRIAC/ELV DIMMER COMPATIBILITY

Recommended Phase-control Dimmers (Dims down to 5% nominal measured light output)

Brand	Series	Model Number	Max Load DCC4xxx06	Max Load DCC4xxx08
Control 4	Control 4	C4-APD120	10	9
Cooper	Decorator	DLC03P, DAL06P	25	20
Legrand	Adorne	ADTP703TU	35	30
Lutron	Caseta	PD-6WCL	12	10
	CL Series	AYCL-153, CTCL-153, DVCL-153, LGCL-513, SCL-153, TGCL-513	12	10
	CL Series	AYCL-253, DVCL-253	20	15
	Grafik Eye 3000	QSGR-3P	30	25
	Grafik Sys / Homeworks	RPM-4A	25	20
	Grafik Sys / Homeworks	RPM-4U	30	25
	Maestro CL	MACL-153M, MSCL-OP153M, MSCL-VP153M	12	10
	Maestro Wireless	MRF2-6ELV, MRF2-6CL	12	10
	Radio RA	RRD-6NA, RRD-6CL, RRD-6D	12	10

Compatible Phase-control Dimmers[1] (Dims down to 20% nominal measured light output)

Brand	Series	Model Number	Max Load DCC4xxx06	Max Load DCC4xxx08
Cooper	Slide	SLC03P, SAL06P	25	20
Legrand	Harmony	H703PTU, HCL453P	30	25
Leviton	IllumaTech Slide	IPE04	25	20
	SureSlide	6621, 6674	10	10
Lutron	Diva	DV-600	12	10
	Maestro	MA-600	12	9
	Maestro ELV	MAELV-600, MSCELV-600	35	30
	Maestro Wireless	MRF2-6ND	12	10
	Power Booster	PHPM-PA, PHPM-WBX	25	20
	Sunrise	SR400RPC120, ZP260QEW	20	15
Watt Stopper	Digital Light Management	LMRC-221	160	150
	Dimming Sensor	PW-100D	14	12

[1] Dimmer compatibility reflects performance compatibility only. Please reference your local codes for application.

DIMMER COMPATIBILITY

Recommended 0-10V Dimmers (Dims down to 1% nominal measured light output)

Brand	Series	Model Number	Max Load DCC4xxx06	Max Load DCC4xxx08
Legrand	Titan	CD4FB	80	65
Leviton	IllumaTech	IP710-DLZ	40	30
Lithonia	Synergy	ISD BC	35	30
Lutron	Diva	DVTV	60	50
	Nova	NFTV	60	50
	Nova	NTSTV-DV	60	50
	PowPak	RMJ-5T-DV	60	50