

Apex Series LED Cylinder

Surface, Cord, Stem, Wall Mount










Large, white, cord mount shown

Project:	Type:
Product Code:	Date:

Spec Sheet V-12.01.19

- Apex Series DCCX delivers vivid, accurate light in the form of a completely customizable cylinder
- Powered by the high-performance DRD2X module for a precise, targeted beam of low glare illumination
- Produces up to 4,000 candelas of focused light, perfect for unfinished and high ceilings
- Range of form factors and options to adapt to all kinds of applications

Lumen Output 600 lm (10.0W), 750 lm (12.5W)		Mount Surface, Stem, Cord, Wall, Wall Up/Down	
Color Quality 90+ CRI, 2-step SDCM		Size Length: Small (4"), Medium (8"), Large (12") Diameter: 4"	
Color Temperature <div>     </div> <div> 2700K 3000K 3500K 4000K </div>		Finish White, Black, Brushed Aluminum, Bronze, Custom	
Optics <div>    </div> <div> Spot (20°) Narrow Flood (30°) Flood (40°) </div>		Input Voltage 120/277V	Dimming TRIAC/ELV 5% 0-10V 1% Lutron Hi-lume® 1%
Center Beam Candlepower (CBCP) 4000cd (Spot, 750 lm)		Emergency Lighting Optional Emergency Inverter or LED Driver for lighting up to 90 minutes in event of power failure	

Standards



Ratings



Wet location available

Guarantee

50,000 hrs | 5 years

PRODUCT BUILDER

CYLINDER

PRODUCT CODE		MOUNT & CYLINDER		SIZE		LUMENS		CCT		OPTICS		FINISH		DRIVER	
DCCX	Cylinder	SW	Surface Mount, Wet	S	Small	06	600 lm	27	2700K	S	Spot	W	White	[Blank]	TRIAC/ELV
		CM	Cord Mount ^{1,2}	M	Medium	07	750 lm	30	3000K	N	Narrow Flood	B	Black	O	0-10V ³
		TM	Stem Mount ¹	L	Large	66	600 lm up/down ⁴	35	3500K	F	Flood	Z	Bronze	C	Lutron LDE1 ^{3,5}
		TW	Stem Mount, Wet ¹			77	750 lm up/down ⁴	40	4000K	X	Spot, Narrow ⁴	A	Brushed Aluminum	L	Lutron LTEA2W ^{3,6}
		WM	Wall Mount ³							Y	Spot, Flood ⁴	C	Custom Color	TE	TRIAC/ELV, Remote Inverter
		WW	Wall Mount, Wet ³							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
DCC2X-DFT	Decorative Frosted Trim

¹ 24" standard length, 48" no charge alternate length (cord); Use Custom Order Form to specify custom length² White cord standard for White finish, black cord standard for Black or Bronze finish, silver cord standard for Brushed Aluminum finish; unless specified otherwise³ Only available in Medium or Large size⁴ Only applicable for Large Wall Mounts⁵ Lutron LDE1 Dimming refers to Lutron Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black⁶ 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: 600 lm (10.0W), 750 lm (12.5W)

EFFICACY: 60 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: 4000cd (Spot 750 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 Wet Location (option), 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

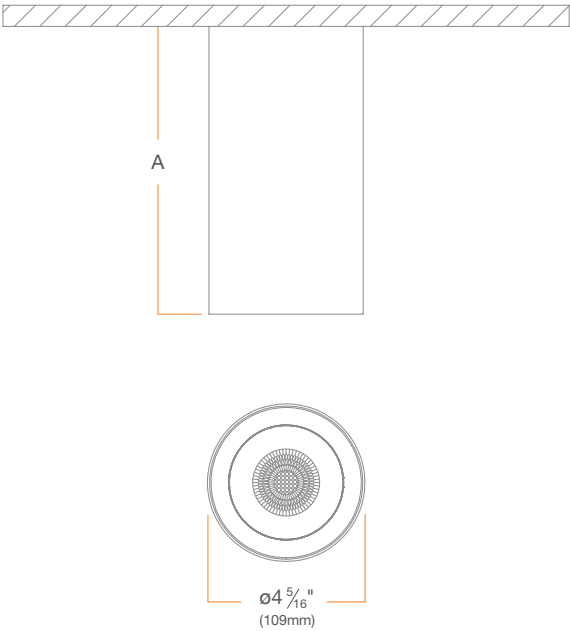
PENDANT: 24" standard, 48" no charge alternate (cord), custom length available up to 96". Cord: White, black or silver with round canopy. Stem: Painted steel stem with round canopy and hanging straight endpoint with up to 30° tilt (meets CA IR 16-9).

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. Wet Location Wall Mount: Installs in most two-gang switch, 3" octagonal, 4" octagonal, 3" round, 4" round and 4" square boxes.

WARRANTY: 5 year limited warranty

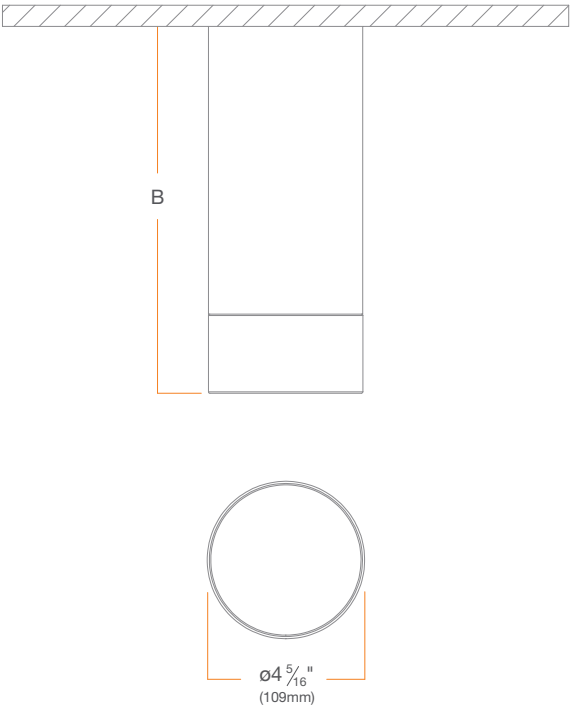
CYLINDER DIMENSIONS

Surface Mount,
Wet Location LED Cylinder
DCCXSW



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

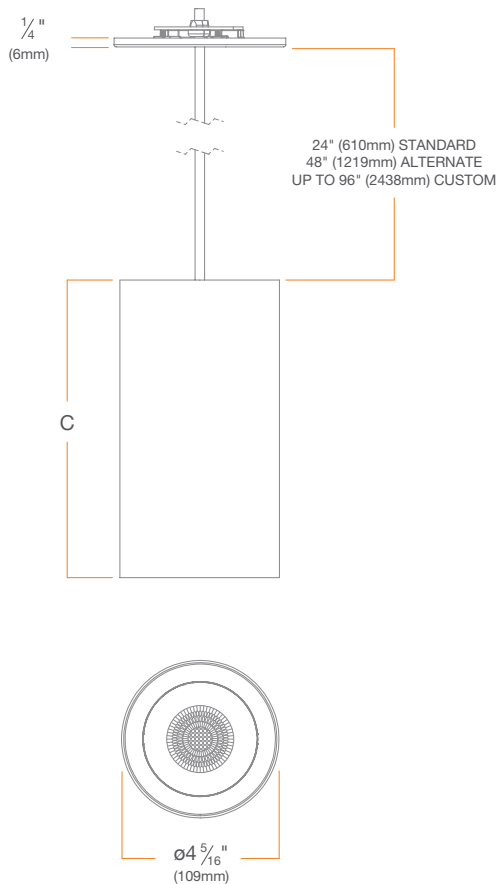
Surface Mount, Wet Location LED Cylinder
with Decorative Frosted Trim
DCCXSW + DCC2X-DFT



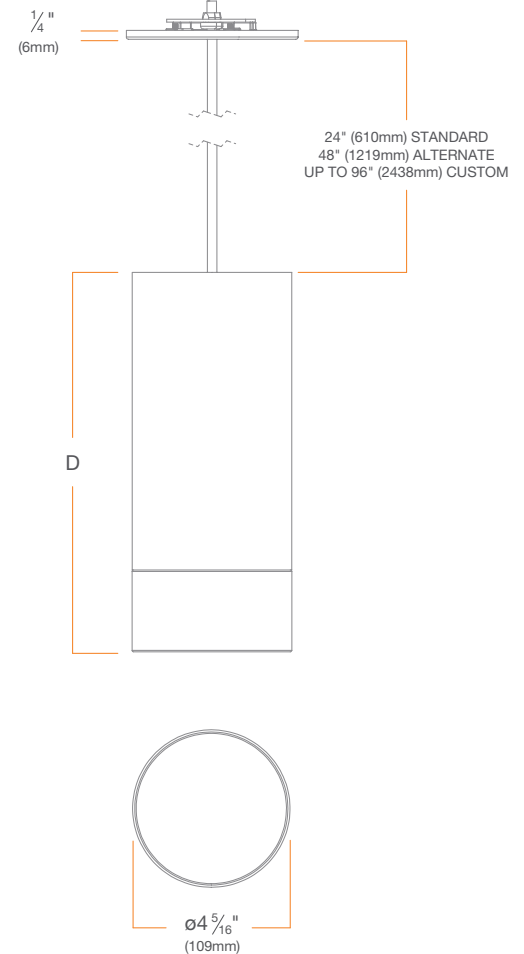
CYLINDER SIZE	B
Small	6 $\frac{3}{16}''$ [158 mm]
Medium	10 $\frac{3}{16}''$ [259 mm]
Large	14 $\frac{3}{16}''$ [361 mm]

CYLINDER DIMENSIONS

Cord Mount LED Cylinder DCCXCM



Cord Mount LED Cylinder with Decorative Frosted Trim DCCXCM + DCC2X-DFT

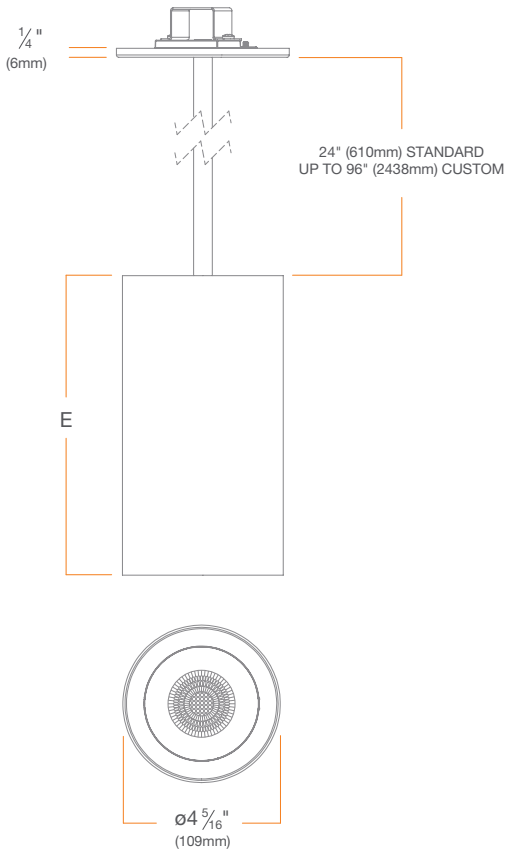


CYLINDER SIZE	C
Small	4" [102 mm]
Medium	8" [203 mm]
Large	12" [305 mm]

CYLINDER SIZE	D
Small	6 $\frac{3}{16}"$ [158 mm]
Medium	10 $\frac{3}{16}"$ [259 mm]
Large	14 $\frac{3}{16}"$ [361 mm]

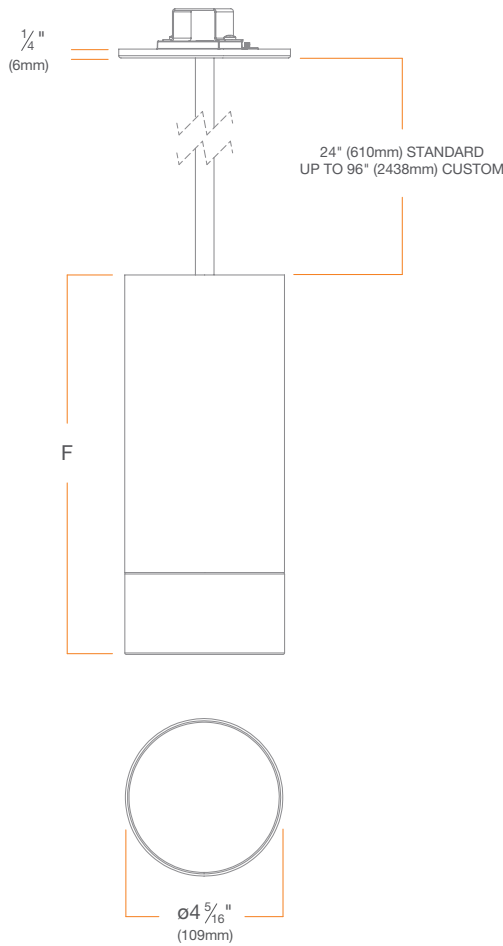
CYLINDER DIMENSIONS

Stem Mount
LED Cylinder
DCCXTM



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

Stem Mount LED Cylinder
with Decorative Frosted Trim
DCCXTM + DCC2X-DFT

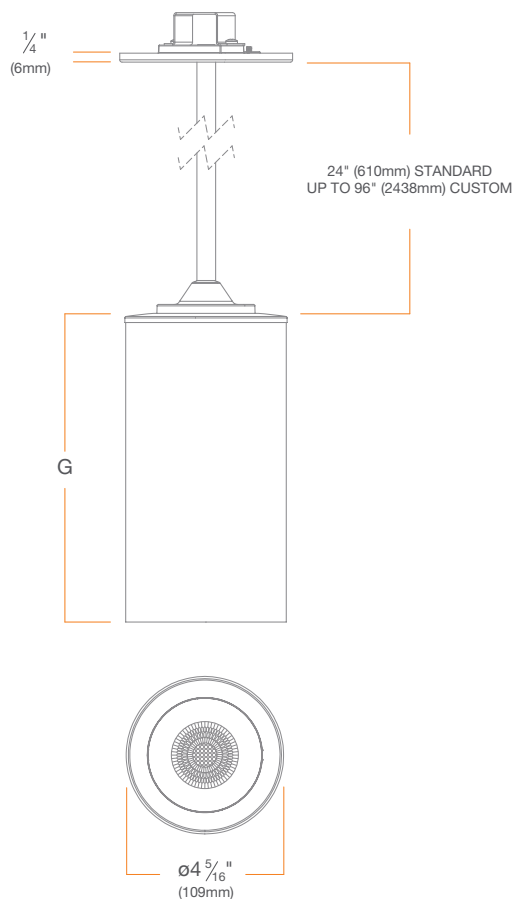


CYLINDER SIZE	F
Small	6 ³ / ₁₆ " [158 mm]
Medium	10 ³ / ₁₆ " [259 mm]
Large	14 ³ / ₁₆ " [361 mm]

CYLINDER DIMENSIONS

Stem Mount, Wet Location LED Cylinder

DCCXTW



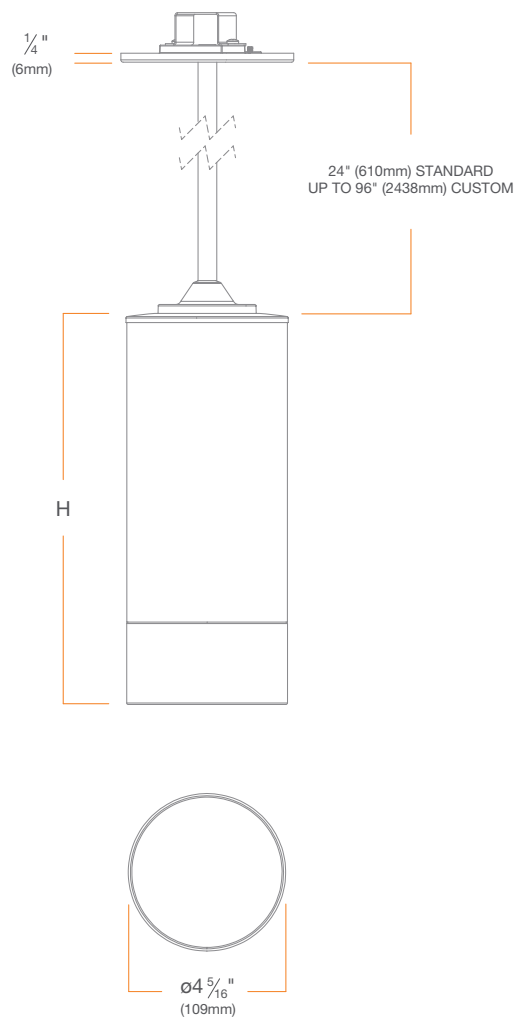
CYLINDER SIZE

G

Small	4 1/4" [108 mm]
Medium	8 1/4" [210 mm]
Large	12 1/4" [311 mm]

Stem Mount, Wet Location LED Cylinder with Decorative Frosted Trim

DCCXTW + DCC2X-DFT



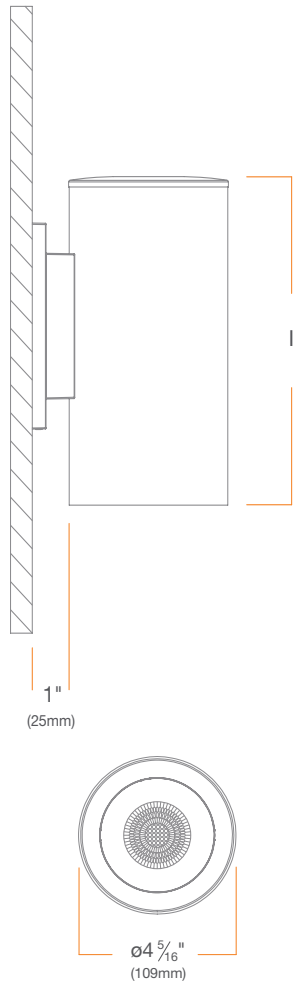
CYLINDER SIZE

H

Small	6 7/16" [164 mm]
Medium	10 7/16" [265 mm]
Large	14 7/16" [367 mm]

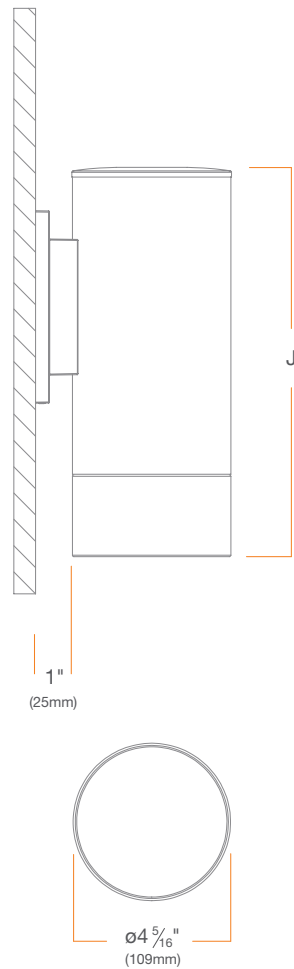
CYLINDER DIMENSIONS

Wall Mount Downlight
LED Cylinder
DCCXWM



CYLINDER SIZE	I
Medium	8 1/4" [210 mm]
Large	12 1/4" [311 mm]

Wall Mount Downlight LED Cylinder
with Decorative Frosted Trim
DCCXWM + DCC2X-DFT

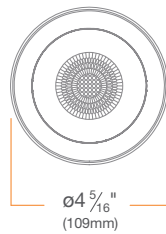
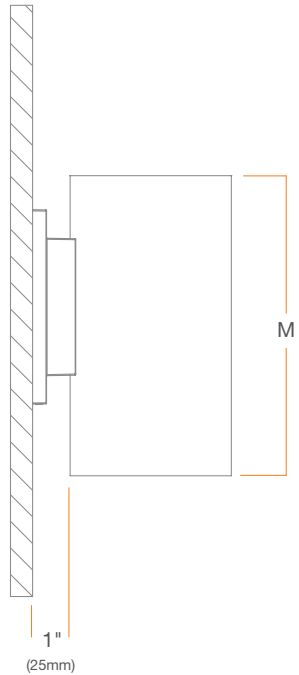


CYLINDER SIZE	J
Medium	10 7/16" [265 mm]
Large	14 7/16" [367 mm]

CYLINDER DIMENSIONS

Wall Mount Up and Downlight LED Cylinder

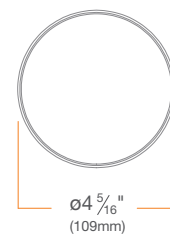
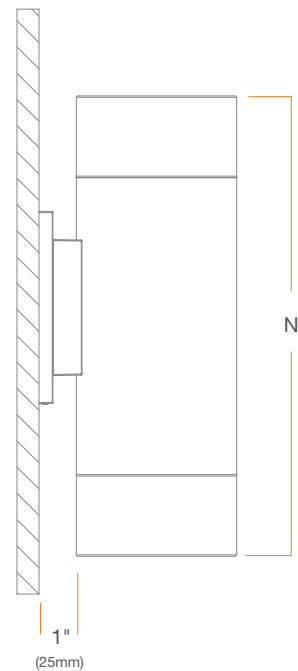
DCCXWM



CYLINDER SIZE	M
Large	12" [305 mm]

Wall Mount Up and Downlight LED Cylinder with Decorative Frosted Trim

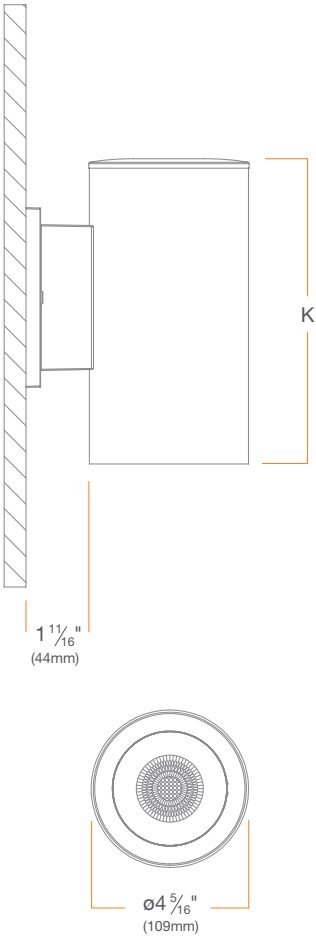
DCCXWM + DCC2X-DFT



CYLINDER SIZE	N
Large	16 3/8" [416 mm]

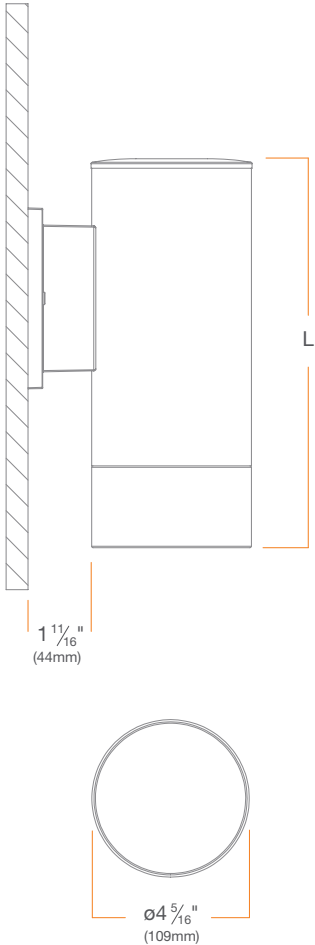
CYLINDER DIMENSIONS

Wall Mount, Wet Location
Downlight LED Cylinder
DCCXWW



CYLINDER SIZE	K
Medium	8 1/4" [210 mm]
Large	12 1/4" [311 mm]

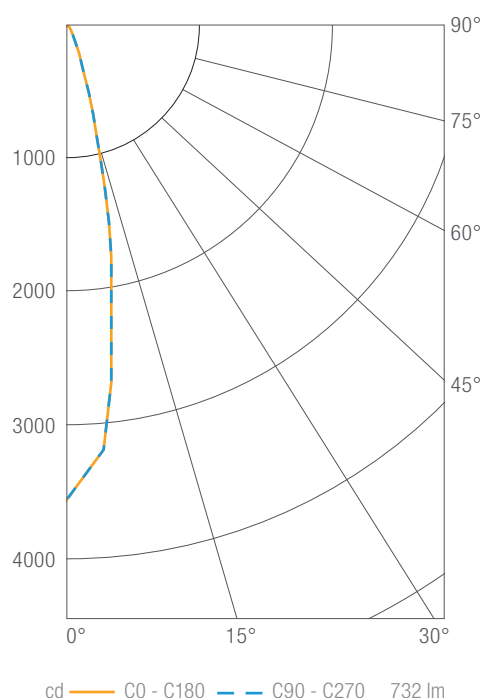
Wall Mount, Wet Location Downlight
LED Cylinder with Decorative Frosted Trim
DCCXWW + DCC2X-DFT



CYLINDER SIZE	L
Medium	10 7/16" [265 mm]
Large	14 7/16" [367 mm]

PHOTOMETRY

DCCX Cord Mount, Medium, 750 lm, 90 CRI, 3000K, Spot, White **DCCXCMM07930SW**



Luminous Intensity

Gamma	C 0°
0.0°	3569
5.0°	3203
10.0°	1981
15.0°	908
20.0°	397
25.0°	195
30.0°	111
35.0°	75
40.0°	53
45.0°	36
50.0°	26
55.0°	20
60.0°	14
65.0°	8
70.0°	4
75.0°	1
80.0°	0
85.0°	1
90.0°	0

Values in candela

Zonal Lumen Summary

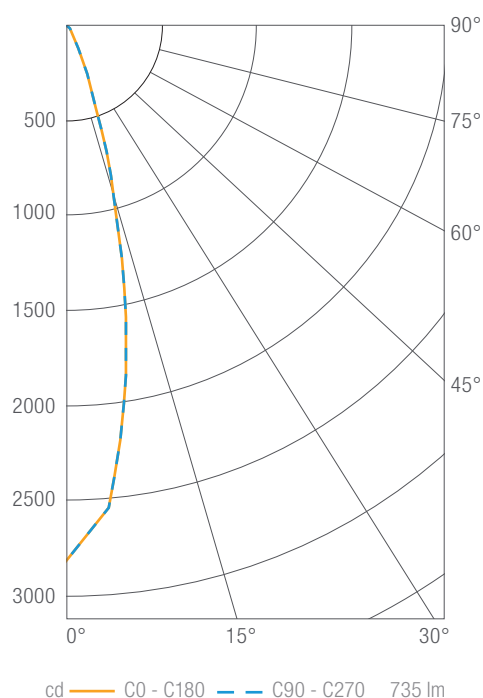
Zone	Lumens	Luminaire %
0-30	630	86
0-40	677	93
0-60	722	99
0-90	732	100
0-180	732	100

Illuminance Chart

Distance from LED	Foot Candles	Diameter
3.0'	397	1.1'
6.0'	99	2.2'
9.0'	44	3.3'
12.0'	25	4.4'

Beam Angle: 16°

DCCX Cord Mount, Medium, 750 lm, 90 CRI, 3000K, Narrow Flood, White **DCCXCMM07930NW**



Luminous Intensity

Gamma	C 0°
0.0°	2814
5.0°	2546
10.0°	1818
15.0°	1002
20.0°	451
25.0°	202
30.0°	102
35.0°	59
40.0°	39
45.0°	28
50.0°	20
55.0°	15
60.0°	10
65.0°	7
70.0°	5
75.0°	3
80.0°	0
85.0°	0
90.0°	0

Values in candela

Zonal Lumen Summary

Zone	Lumens	Luminaire %
0-30	649	87
0-40	693	93
0-60	731	98
0-90	743	100
0-180	743	100

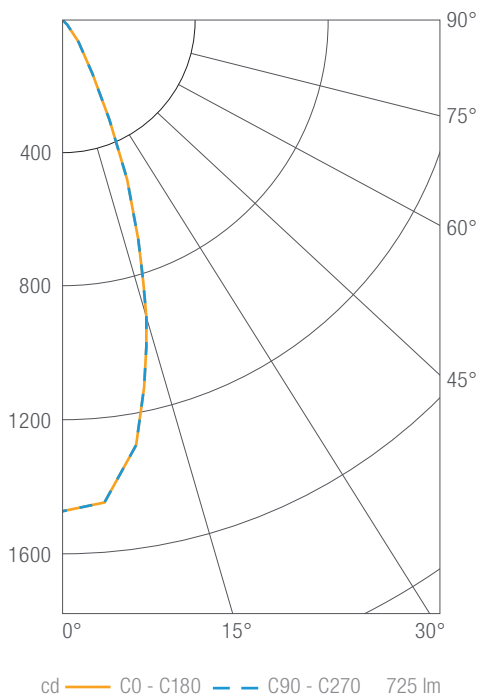
Illuminance Chart

Distance from LED	Foot Candles	Diameter
3.0'	313	1.5'
6.0'	78	2.9'
9.0'	35	4.4'
12.0'	20	5.8'

Beam Angle: 28°

PHOTOMETRY

DCCX Cord Mount, Medium, 750 lm, 90 CRI, 3000K, Flood, White DCCXMM07930FW



Luminous Intensity

Gamma	C 0°
0.0°	1474
5.0°	1454
10.0°	1295
15.0°	989
20.0°	632
25.0°	346
30.0°	180
35.0°	95
40.0°	55
45.0°	38
50.0°	28
55.0°	20
60.0°	15
65.0°	11
70.0°	6
75.0°	3
80.0°	2
85.0°	0
90.0°	0

Values in candela

Zonal Lumen Summary

Zone	Lumens	Luminaire %
0-30	584	81
0-40	655	90
0-60	708	98
0-90	725	100
0-180	725	100

Illuminance Chart

Distance from LED	Foot Candles	Diameter
3.0'	164	2.1'
6.0'	41	4.1'
9.0'	18	6.2'
12.0'	10	8.3'

Beam Angle: 41°

Lumen Scaling

DCCXCMM06 (600 lm)	DCCXCMM07 (750 lm)
0.80	1.00

CCT Scaling

DCCXCMM07927 (2700K)	DCCXCMM07930 (3000K)	DCCXCMM07935 (3500K)	DCCXCMM07940 (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 DCCXxxx06	Max Load DCCXxxx07
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 Dimmers¹ (Dims down to 20% nominal measured light output)

Brand	Series	Model Number	Max Load DCCXxxx06	Max Load DCCXxxx07
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.



0-10V DIMMING COMPATIBILITY

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

Brand	Series	Model Number	Max Load DCCXxxx06	Max Load DCCXxxx07
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