

M Series Cylinder

Project:	Type:
Product Code:	Date:

V102425

4" Surface Mount



- Integrated Drivers allow for down to 0.1% dimming options within the pendant and no need to locate anything above the canopy
- Customize your cylinder with over one million configurations, allowing for easy maintenance and on-site modifications
- Attaches directly to a surface or recessed mounted junction box, ideal for areas with limited ceiling height & plenum space restrictions
- Die-cast aluminum trims with no visible hardware for a sleek, symmetrical design

CYLINDER

Mount
Surface
Size
Diameter: 4"
Height: Small (4"), Medium (8"), Large (12")
Canopy
Standard
Trims & Shades
Standard, Snoot, Decorative, Hyperbolic, Wall Wash, Flat Shade, Round Shade
Finish
Standard: White, Black, Bronze
Premium: Brushed Aluminum, Custom Color

EMERGENCY LIGHTING

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

LIGHT OUTPUT & DISTRIBUTION

Lumens (Power)
750 lm (9.5W), 1000 lm (12.5W), 1250 lm (14.3W), 1500 lm (14.3W), 2000 lm (24.5W), 2500 lm (27.5W), 3000 lm (34W)
Color Quality
93 CRI, 2-step SDCM
Color Temperature
2400K 2700K 3000K
3500K 4000K
Warm Dim (3000K–1800K)
Tunable White (4000K–1800K)
Tunable White (6500K–2700K)

Beam Spread

Narrow Spot (15°)	Spot (25°)
Flood (40°)	Wide Flood (60°)
General (90°)	

Lighting Type

Downlight	Adjustable
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POWER & CONTROLS

Input Voltage
120 / 277V
Dimming
0-10V (120/277V): 1%
TRIAC/ELV (120V): 1%
DALI-2 (120/277V): 0.1%

SPECIALTY LENS

Hexcell Louver

RATINGS

Wet Location / IP65 Rated Configurations Available
NSF Listed (White and Black Finish Only)
DarkSky Approved (Downlight with non-decorative trims only, CCT less than or equal to 3000K)

WARRANTY

5 year limited warranty; 50,000 hours

MAINTENANCE

Driver and LED chip are embedded within the cylinder module featuring touch-safe connections and replacement following trim removal (EM Excluded)



PRODUCT BUILDER

EXAMPLE: **DC4SMSSD07NS0000024WHT00R**

CYLINDER	DC4	DC4 4" Cylinder							
MOUNT	SM	SM Surface Mount							
MOISTURE RATING		S Standard (Damp Location)		W Wet Location  ¹					
LENGTH		S Small (4") (2000 lm Max)		M Medium (8") (2000 lm Max)		L Large (12") (3000 lm Max)			
LIGHT OPTIONS		D Fixed 		A Adjustable ²					
LUMENS DOWN ³		07 750 lm 		10 1000 lm 		12 1250 lm  ⁴		15 1500 lm  ⁴	
		20 2000 lm  ^{4,5,6}		25 2500 lm ^{4,5}		30 3000 lm ^{4,5}			
BEAM SPREAD DOWN		NS Narrow Spot (15°) ^{7,8}		SP Spot (25°)		FL Flood (40°)			
		WF Wide Flood (60°) ⁴		GA General Ambient (90°+) ^{4,7}					
SPECIALTY LENS DOWN		0 None 		H Hexcell Louver ⁹					
LUMENS UP	00	00 None							
BEAM SPREAD UP	00	00 None							
CCT		24 2400K (1000 lm Max)		27 2700K		30 3000K		35 3500K	
		40 4000K		3W Warm Dim (3000K-1800K) ¹⁰		T1 Tunable White (4000K-1800K) ¹¹		T1 Tunable White (6500K-2700K) ¹¹	
STANDARD FINISH		WH White 		BK Black 		BZ Bronze 			
PREMIUM FINISH		BA Brushed Aluminum 		CC Custom Color 					
DIMMING		T TRIAC/ELV (1%)		O 0-10V (1%)		D DALI-2 (0.1%) ¹²			
EMERGENCY		00 None		EM EM, Remote Test Switch ¹³					
TRIM / SHADE DOWN		R Round Standard Trim 		H Hyperbolic Trim		S Snoot (Black Only)		D Decorative Trim  ^{7,14}	
		L Low Profile Decorative Trim  ^{7,14}		W Wall Wash Trim ¹⁵		RWC Round Shade: White, Clear		RWW Round Shade: White, Warm	
		RBC Round Shade: Black, Clear		RBW Round Shade: Black, Warm		RAC Round Shade: Aluminum, Clear		FWC Flat Shade: White, Clear	
		FWW Flat Shade: White, Warm		FBC Flat Shade: Black, Clear		FBW Flat Shade: Black, Warm		FAC Flat Shade: Aluminum, Clear	

¹ Required for Wet Location/IP65 rating

¹ Only available in 750, 1000, 1250, 1500 or 2000 lm; with Round Standard, Decorative, or Low Profile Trim

² Only available in 750 or 1000 lm; Damp Location moisture rating; Round Standard or Hyperbolic trim

³ Total Lumens cannot be greater than 2000 lm for Small size or Medium size, 3000 lm for Large size

⁴ Not available in Adjustable

⁵ Only available in 0-10V

⁶ Wet location only available with Medium or Large size for 2000lm and only compatible in Standard trims.

⁷ Only available in 750 lm, 1000 lm, 1250 lm, 1500 lm, or 2000lm

⁸ Not available in Warm Dim or Tunable White

⁹ Only available for Adjustable; not available for DALI-2

¹⁰ Only available in 1000 lm; not available in Narrow Spot

¹¹ Only available in 1000 lm Downlight, 750 lm Adjustable and DALI-2 dimming

¹² Only available in 1000 lm Warm Dim, Tunable White or 1250 lm Static CCT Downlight and 1000 lm Warm Dim or Static CCT and 750 lm Tunable White Adjustable

¹³ TRIAC/ELV driver utilizes micro inverter; 0-10V or DALI-2 drivers utilize EM Kit mounted above ceiling with emergency LED driver & remote test switch

¹⁴ Only available with General Ambient beam spread

¹⁵ Downlight Only, Requires WF Optic, Not available in Custom Color



PRODUCT BUILDER

LOOSE ACCESSORIES

DCCX-RW	Round Standard Trim, White
DCCX-RB	Round Standard Trim, Black
DCCX-RA	Round Standard Trim, Brushed Aluminum
DCCX-RZ	Round Standard Trim, Bronze
DCCX-RC	Round Standard Trim, Custom Color
DCCX-HW	Hyperbolic Trim, White
DCCX-HB	Hyperbolic Trim, Black
DCCX-HA	Hyperbolic Trim, Brushed Aluminum
DCCX-HZ	Hyperbolic Trim, Bronze
DCCX-HC	Hyperbolic Trim, Custom Color
DCCX-S	Snoot
DCCX-RWC	Round Shade: White Outside, Clear Diffused Inside
DCCX-RWW	Round Shade: White Outside, Warm Diffused Inside
DCCX-RBC	Round Shade: Black Outside, Clear Diffused Inside
DCCX-RBW	Round Shade: Black Outside, Warm Diffused Inside
DCCX-RAC	Round Shade: Brushed Aluminum Outside, Clear Diffused Inside
DCCX-FWC	Flat Shade: White Outside, Clear Diffused Inside
DCCX-FWW	Flat Shade: White Outside, Warm Diffused Inside
DCCX-FBC	Flat Shade: Black Outside, Clear Diffused Inside
DCCX-FBW	Flat Shade: Black Outside, Warm Diffused Inside
DCCX-FAC	Flat Shade: Brushed Aluminum Outside, Clear Diffused Inside
DCCX-JW	Junction Box Cover, White
DCCX-JB	Junction Box Cover, Black
DCCX-JA	Junction Box Cover, Brushed Aluminum
DCCX-JZ	Junction Box Cover, Bronze



SUMMARY

	STATIC CCT	WARM DIM	TUNABLE WHITE
CCT	2400K, 2700K, 3000K, 3500K, 4000K	3000K - 1800K	4000K - 1800K; 6500K - 2700K
LUMENS	750 lm (9.5W), 1000 lm (12.5W), 1250 lm (14.3W), 1500lm (14.3W), 2000 lm (24.5W), 2500 lm (27.5W), 3000 lm (34.0W)	1000 lm (12.5W)	1000 lm (14.5W)
EFFICACY	79 lm/W, 80 lm/W, 87lm/W, 105 lm/W, 82 lm/W, 92 lm/W, 88 lm/W	80 lm/W	69 lm/W
COLOR QUALITY	93 CRI, 2-step SDCM	93 CRI, 3-step SDCM	93 CRI, 3-step SDCM
BEAM SPREAD	Narrow Spot (15°), Spot (25°), Flood (40°), Wide Flood (60°), General (90°)	Spot (25°), Flood (40°), Wide Flood (60°), General (90°)	Spot (25°), Flood (40°), Wide Flood (60°), General (90°)
DIMMING	0-10V (120/277V): 1% TRIAC/ELV (120V): 1% DALI-2 (120/277V): 0.1%	0-10V (120/277V): 1% TRIAC/ELV (120V): 1% DALI-2 (120/277V): 0.1%	DALI-2 (120/277V): 0.1%
LED CHIP	Bridgelux (2400K) Cree (All other CCT)	Bridgelux	Bridgelux
LISTINGS	ENERGY STAR® qualified ¹ , California Title 24 2019 - 2022 JA8-E Compliant, UL Listed for Wet Location (option), IP65 rated (option), UL Certified US-CA, Declare, NSF/ANSI-2 Splash Zone Safe ² , Dark Sky Compliant (option), DALI-2 Compliant		

¹ Refer to ENERGY STAR Certified light fixtures database

² This product is evaluated in accordance to NSF/ANSI 2 for Splash Zones having designated trim finishes

ADDITIONAL

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

MAX INPUT CURRENT (120V):

0.085 amps (750 lm), 0.110 amps (1000 lm), 0.125 amps (1250 lm), 0.145 amps (1500 lm), 0.205 amps (2000 lm), 0.235 amps (2500 lm), 0.290 amps (3000 lm)

MAX INPUT CURRENT (277V):

0.045 amps (750 lm), 0.055 amps (1000 lm), 0.060 amps (1250 lm), 0.070 amps (1500 lm), 0.100 amps (2000 lm), 0.110 amps (2500 lm), 0.135 amps (3000 lm)

POWER FACTOR: Greater than 0.9

TOTAL HARMONIC DISTORTION: Less than 20%

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

LIFETIME: 50,000 hours at 70% lumen maintenance

WARRANTY: 5 year limited warranty

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

CYLINDER: Extruded aluminum

CYLINDER DIMENSIONS:

Diameter: 4"
Height: 4", 8", 12"

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

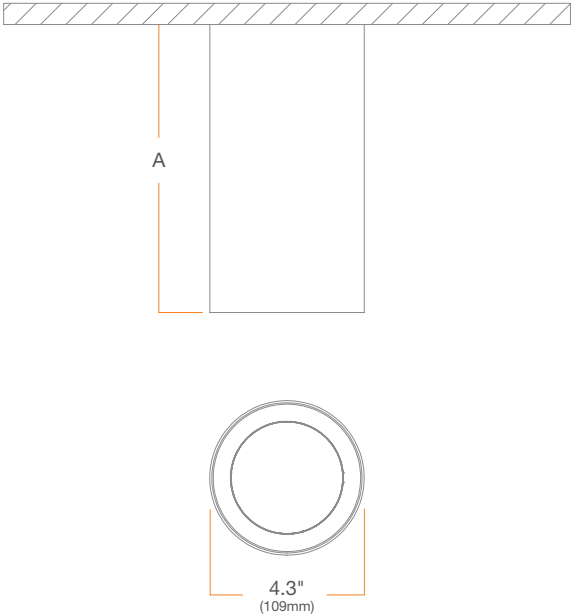
INSTALLATION: Compatible with most 3" octagonal, 4" octagonal, 3" round and 4" round boxes and 4" square boxes.

JUNCTION BOX COVERS: Allows up to 4 solid metal conduit branches. Compatible with 4" octagonal and 4" square boxes.

EMERGENCY LIGHTING: Optional installer mounted Remote Inverter or Emergency LED Driver for lighting up to 90 minutes in event of power failure. Emergency Output is equal to LPW x 5

Surface Mount

DC4SM

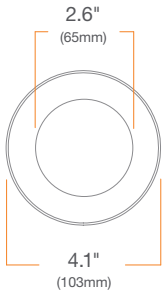


CYLINDER SIZE	A
Small	4" [102 mm]
Medium	8" [203 mm]
Large	12" [305 mm]

TRIM

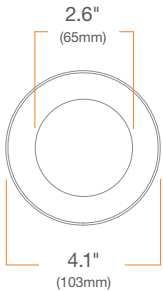
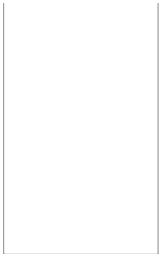
Standard Trim

-R



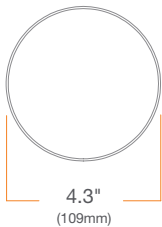
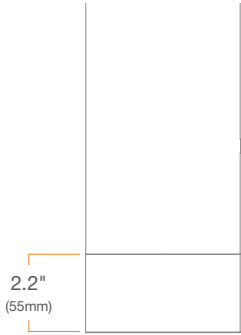
Hyperbolic Trim

-H



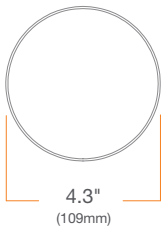
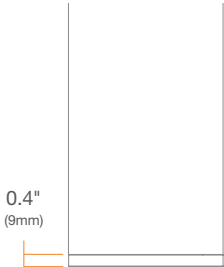
Decorative Trim

-D



Low-Profile Decorative Trim

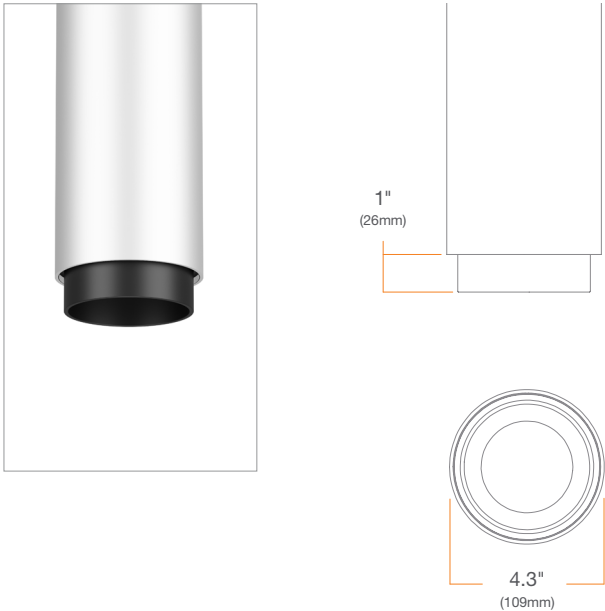
-L



TRIM

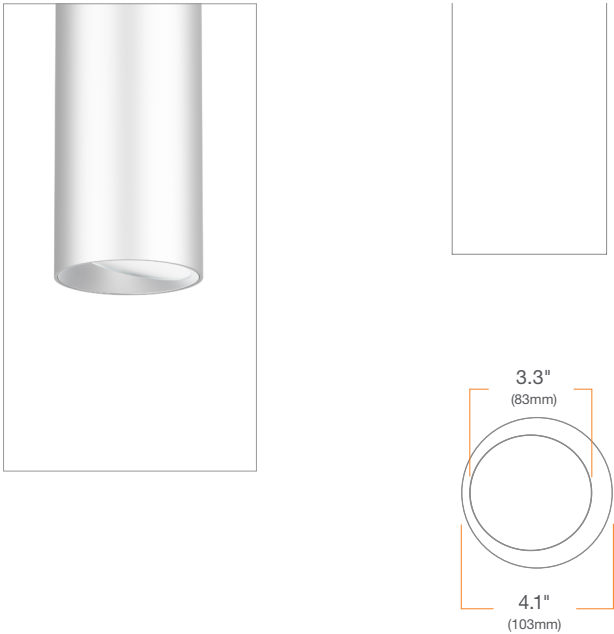
Snoot Trim

-S



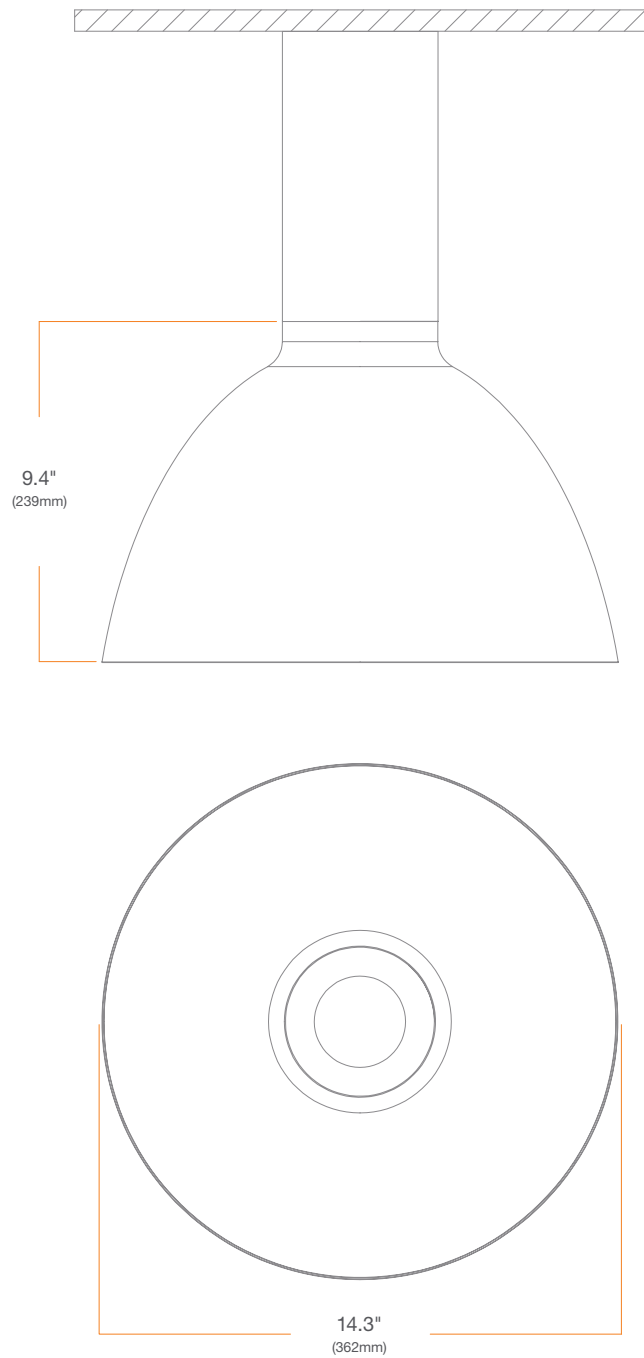
Wall Wash Trim

-W



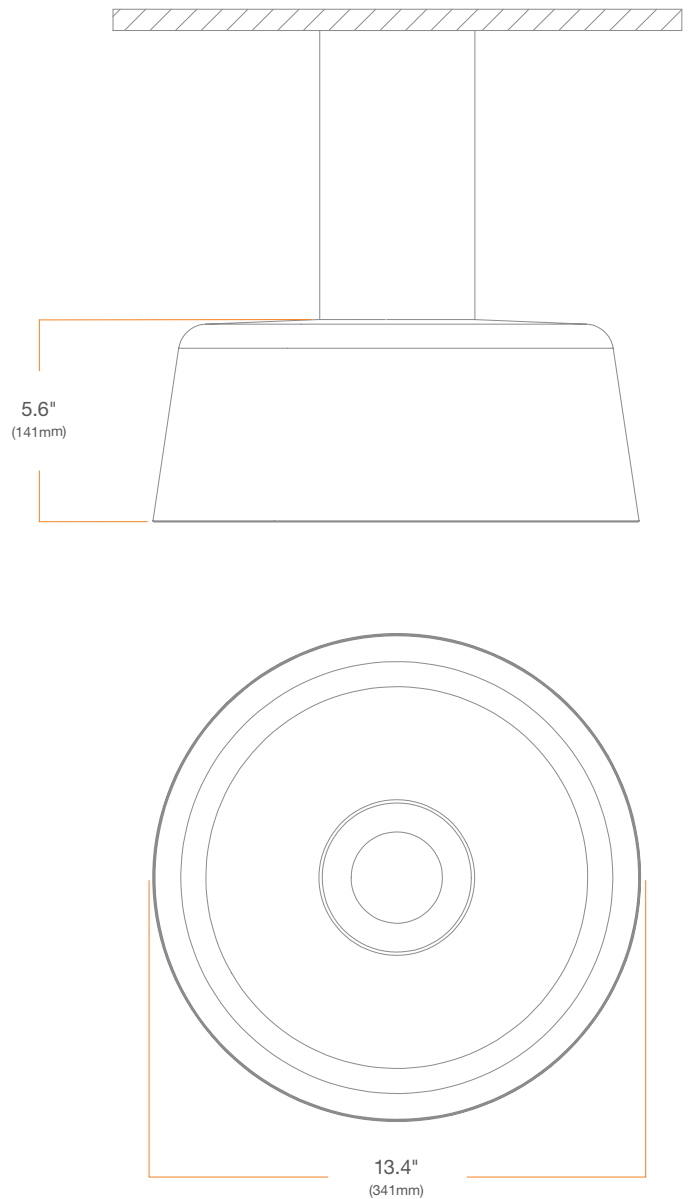
Round Shade

-Rxx



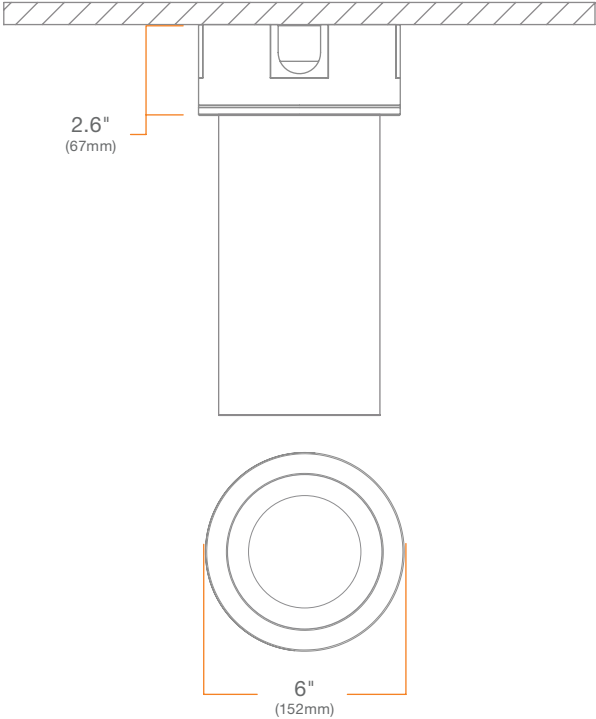
Flat Shade

-Fxx

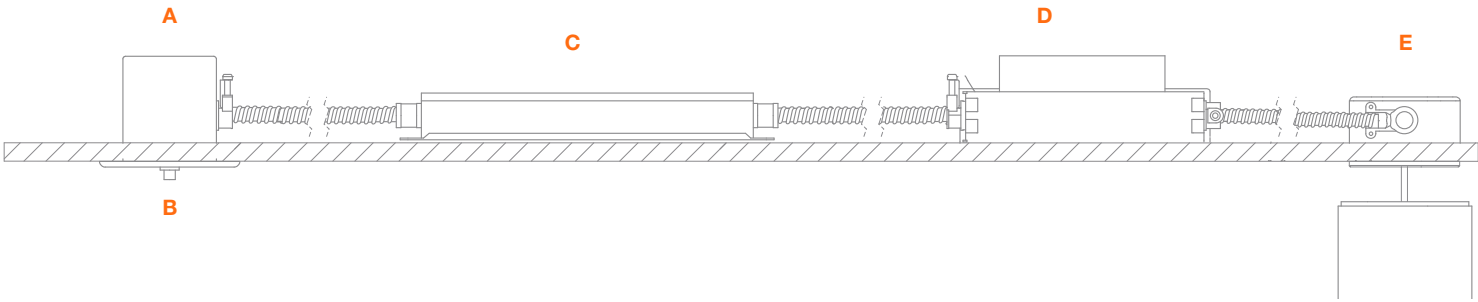


Junction Box (J-Box) Cover

-J



Emergency Lighting Kit

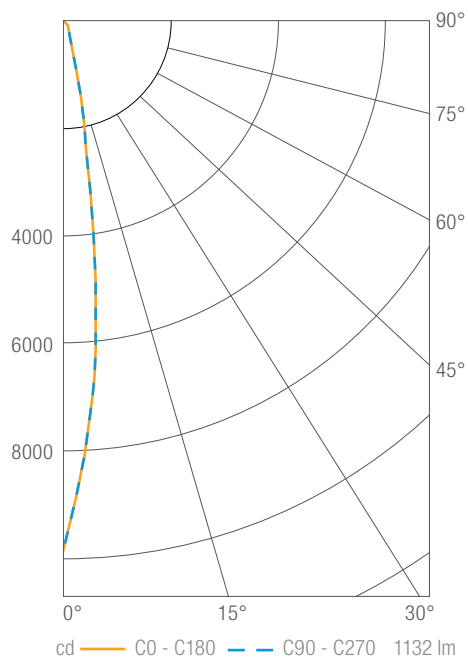


ITEM	LENGTH	WIDTH	HEIGHT
A Junction Box (not included)	N/A	N/A	N/A
B Remote Test Switch	4 1/2" [114 mm]	2 3/4" [70 mm]	9/16" [15 mm]
C Emergency LED Driver (Battery)	10 5/8" [271 mm]	2 5/16" [58 mm]	1 1/2" [38 mm]
D Cylinder Driver	4 15/16" [126 mm]	3 3/8" [85 mm]	2 11/16" [68 mm]
E Junction Box (not included)	N/A	N/A	N/A

PRODUCT SUMMARY

M Series Cylinder Fixed, 1000 lm, 3000K, Narrow Spot

DC4xxxxD10NSxxxxx30



Luminous Intensity

Gamma	C 0°
0°	9823
5°	6600
10°	2335
15°	734
20°	357
25°	244
30°	195
35°	159
40°	116
45°	85
50°	61
55°	42
60°	28
65°	16
70°	7
75°	4
80°	2
85°	1
90°	0

Values in candela

Zonal Lumen Summary

Zone	Lumens	Luminaire %
0-30	906	80
0-40	1004	89
0-60	1110	98
0-90	1131	100
0-180	1132	100

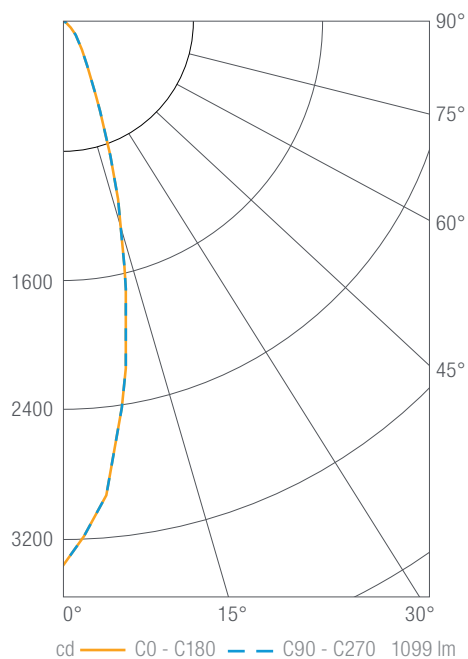
Illuminance Chart

Distance from LED	Foot Candles	Diameter
3'	1091	0.7'
6'	273	1.5'
9'	121	2.2'
12'	68	2.9'

Beam Angle: 14°

M Series Cylinder Fixed, 1000 lm, 3000K, Spot

DC4xxxxD10SPxxxxx30



Luminous Intensity

Gamma	C 0°
0°	3366
5°	2967
10°	2203
15°	1391
20°	775
25°	419
30°	248
35°	167
40°	119
45°	87
50°	62
55°	43
60°	26
65°	15
70°	7
75°	4
80°	2
85°	1
90°	0

Values in candela

Zonal Lumen Summary

Zone	Lumens	Luminaire %
0-30	862	78
0-40	971	88
0-60	1078	98
0-90	1098	100
0-180	1099	100

Illuminance Chart

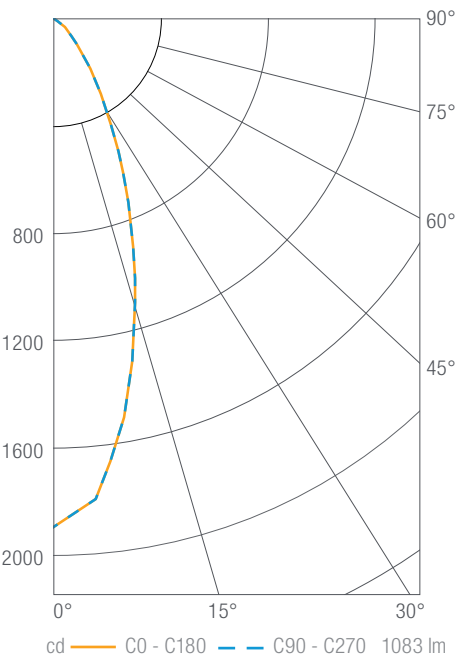
Distance from LED	Foot Candles	Diameter
3'	374	1.4'
6'	93	2.8'
9'	42	4.2'
12'	23	5.6'

Beam Angle: 26°

PRODUCT SUMMARY

M Series Cylinder Fixed, 1000 lm, 3000K, Flood

DC4xxxxD10FLxxxxx30



Luminous Intensity

Gamma	C 0°
0°	1890
5°	1792
10°	1503
15°	1161
20°	849
25°	589
30°	391
35°	256
40°	162
45°	107
50°	74
55°	51
60°	30
65°	18
70°	8
75°	5
80°	3
85°	1
90°	0

Values in candela

Zonal Lumen Summary

Zone	Lumens	Luminaire %
0-30	760	70
0-40	925	85
0-60	1058	98
0-90	1081	100
0-180	1083	100

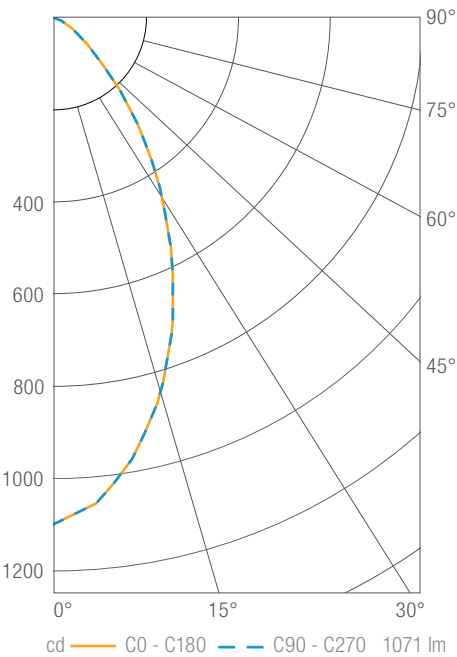
Illuminance Chart

Distance from LED	Foot Candles	Diameter
3'	210	2.0'
6'	52	4.0'
9'	23	6.0'
12'	13	8.0'

Beam Angle: 37°

M Series Cylinder Fixed, 1000 lm, 3000K, Wide Flood

DC4xxxxD10WFxxxxx30



Luminous Intensity

Gamma	C 0°
0°	1100
5°	1058
10°	973
15°	866
20°	743
25°	609
30°	478
35°	361
40°	252
45°	161
50°	102
55°	68
60°	41
65°	24
70°	11
75°	6
80°	4
85°	2
90°	0

Values in candela

Zonal Lumen Summary

Zone	Lumens	Luminaire %
0-30	620	58
0-40	845	79
0-60	1037	97
0-90	1069	100
0-180	1071	100

Illuminance Chart

Distance from LED	Foot Candles	Diameter
3'	122	3.1'
6'	31	6.2'
9'	14	9.3'
12'	8	12.3'

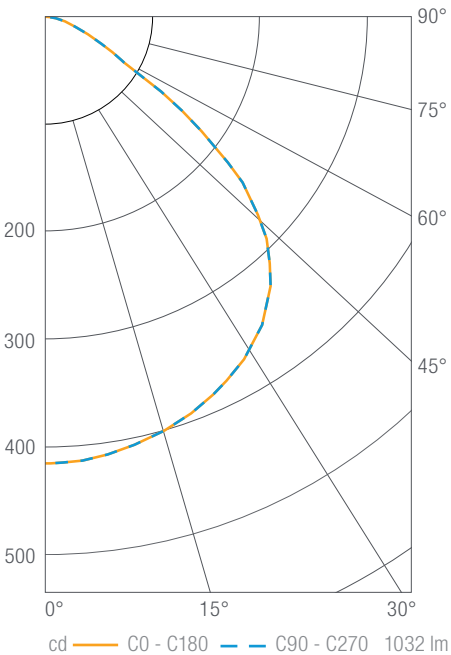
Beam Angle: 55°



PHOTOMETRY

M Series Cylinder Fixed, 1000 lm, 3000K, General Ambient

DC4xxxxD10GAxxxxx30



Luminous Intensity

Gamma	C 0°
0°	416
5°	415
10°	410
15°	403
20°	394
25°	382
30°	369
35°	351
40°	327
45°	291
50°	240
55°	162
60°	84
65°	54
70°	33
75°	21
80°	12
85°	6
90°	1

Values in candela

Zonal Lumen Summary

Zone	Lumens	Luminaire %
0-30	333	32
0-40	557	54
0-60	942	91
0-90	1024	99
0-180	1032	100

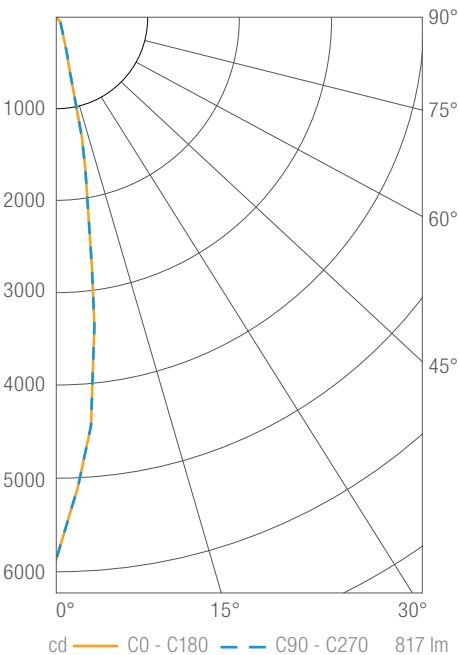
Illuminance Chart

Distance from LED	Foot Candles	Diameter
3'	46	7.8'
6'	12	15.5'
9'	5	23.3'
12'	3	31.1'

Beam Angle: 100°

M Series Cylinder Adjustable, 750 lm, 3000K, Narrow Spot

DC4xxxxA07NSxxxxx30



Luminous Intensity

Gamma	C 0°
0°	5897
5°	4418
10°	1911
15°	561
20°	280
25°	165
30°	117
35°	87
40°	69
45°	57
50°	47
55°	38
60°	31
65°	23
70°	16
75°	10
80°	4
85°	1
90°	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'	655	0.8'
6'	164	1.7'
9'	73	2.5'
12'	41	3.3'

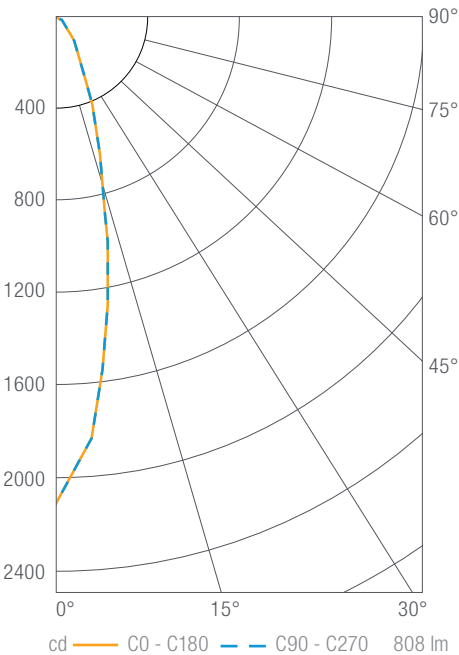
Beam Angle: 16°



PHOTOMETRY

M Series Cylinder Adjustable, 750 lm, 3000K, Spot

DC4xxxxA07SPxxxxx30



Luminous Intensity

Gamma	C 0°
0°	2105
5°	1826
10°	1282
15°	800
20°	497
25°	310
30°	201
35°	137
40°	98
45°	73
50°	57
55°	45
60°	35
65°	23
70°	12
75°	5
80°	3
85°	2
90°	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

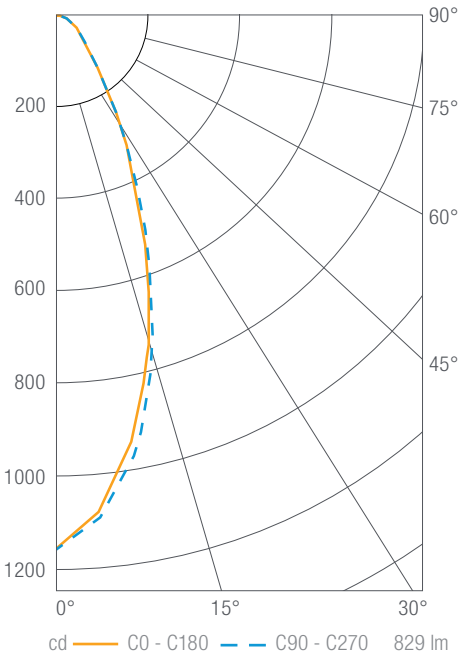
Illuminance Chart

Distance from LED	Foot Candles	Diameter
3'	234	1.3'
6'	58	2.6'
9'	26	3.9'
12'	15	5.2'

Beam Angle: 28°

M Series Cylinder Adjustable, 750 lm, 3000K, Flood

DC4xxxxA07FLxxxxx30



Luminous Intensity

Gamma	C 0°
0°	1158
5°	1081
10°	941
15°	765
20°	576
25°	414
30°	288
35°	192
40°	130
45°	96
50°	76
55°	61
60°	49
65°	38
70°	28
75°	18
80°	10
85°	4
90°	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'	129	2.2'
6'	32	4.5'
9'	14	6.7'
12'	8	9.0'

Beam Angle: 41°