

M Series Cylinder

Project:	Type:
Product Code:	Date:

V102325

4" Wall Mount



- Integrated Drivers allow for down to 0.1% dimming options within the cylinder
- Customize your cylinder with over one million configurations, allowing for easy maintenance and on-site modifications
- Wet location configurations available for exterior locations
- Die-cast aluminum trims with no visible hardware for a sleek, symmetrical design

CYLINDER

Mount

Wall Mount

Size

Diameter: 4"

Height: Medium (8"), Large (12")

Trims

Standard, Snoot, Decorative, Hyperbolic, Wall Wash

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



Up and downlight



Adjustable

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)



Declare.



DARKSKY APPROVED
Reduces light pollution
Certified by DarkSky.org



PRODUCT BUILDER

EXAMPLE: **DC4WMSD07NS0000024WHT00R**

CYLINDER	DC4	DC4	4" Cylinder									
MOUNT	WM	WM	Wall Mount									
MOISTURE RATING		S	Standard (Damp Location)		W	Wet Location  ¹						
LENGTH		M	Medium (8") (2000 lm Max)		L	Large (12") (3000 lm Max)						
LIGHT OPTIONS		D	Fixed 		A	Adjustable ²						
LUMENS DOWN		07	750 lm 		10	1000 lm 		12	1250 lm  ⁴	15	1500 lm  ⁴	
		20	2000 lm  ^{4,5}		25	2500 lm ^{4,5}		30	3000 lm ^{4,5}			
BEAM SPREAD DOWN		NS	Narrow Spot (15°) ^{6,8}		SP	Spot (25°)		FL	Flood (40°)			
		WF	Wide Flood (60°) ⁴		GA	General Ambient (90°+) ^{4,6}						
SPECIALTY LENS DOWN		0	None 		H	Hexcell Louver ⁷						
LUMENS UP ^{3,9}		00	None		07	750 lm 		10	1000 lm 			
		12	1250 lm 		15	1500 lm 		20	2000 lm  ⁵			
BEAM SPREAD UP ⁹		00	None		NS	Narrow Spot (15°) ^{6,8}		SP	Spot (25°)			
		FL	Flood (40°)		WF	Wide Flood (60°)		GA	General Ambient (90°+) ⁶			
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 DOWN		R	Round Standard Trim 		H	Hyperbolic Trim		S	Snoot (Black Only)			
		D	Decorative Trim  ^{6,14}		L	Low Profile Decorative Trim  ^{6,14}		W	Wall Wash Trim ¹⁵			
TRIM UP		[Blank]	N/A		R	Round Standard Trim 		H	Hyperbolic Trim			
		S	Snoot (Black Only)		D	Decorative Trim ^{6,14}		L	Low Profile Decorative Trim ^{6,14}			

 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 Available in large size only, sum of Lumens cannot be greater than 3000 lm

⁴ Not available in Adjustable

⁵ Only available in 0-10V

⁶ Only available in 750 lm, 1000 lm, 1250 lm, 1500 lm, or 2000lm

⁷ Only available for Adjustable; Not available with DALI-2

⁸ Not available in Warm Dim or Tunable White

⁹ Only applicable to Large size; Otherwise, select None; Uplight cannot be Adjustable

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

¹¹ Only available in 1000 lm downlight or 750 lm adjustable, DALI-2 dimming only; Not available in Narrow Spot

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 Not available in Uplight; 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 in 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

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, 91 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

CYLINDER: Extruded aluminum

CYLINDER DIMENSIONS:

Diameter: 4"
Height: 8", 12"

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

INSTALLATION:

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

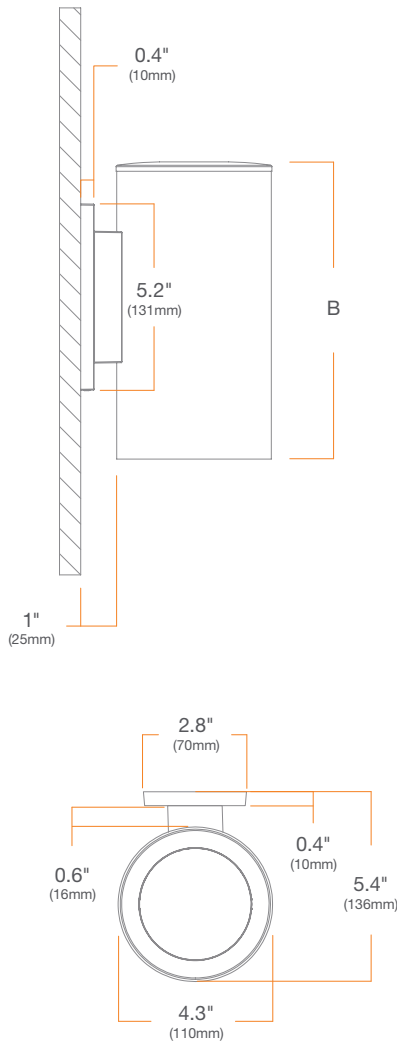
EMERGENCY LIGHTING: Optional installer mounted Remote Inverter or Emergency LED Driver for lighting up to 90 minutes in event of power failure. Emergency Output is equal to LPW x 5

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

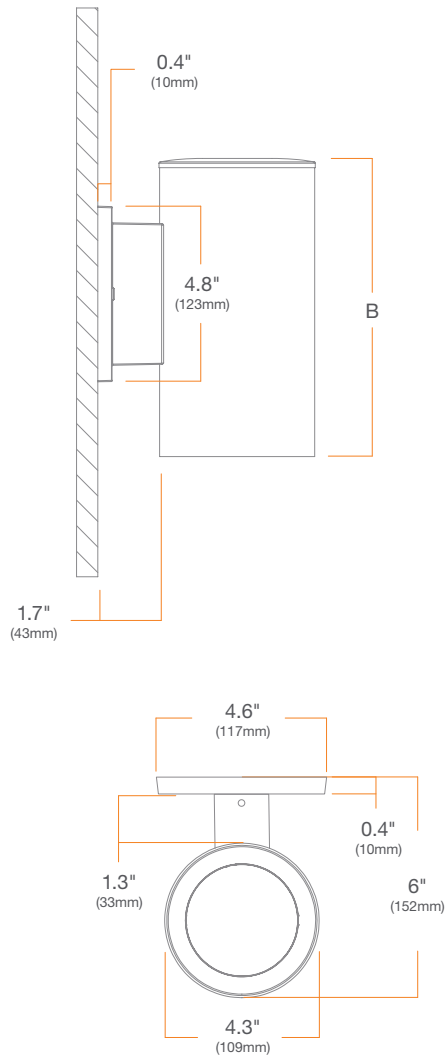


Wall Mount

DC4WM



Wall Mount, Wet Location

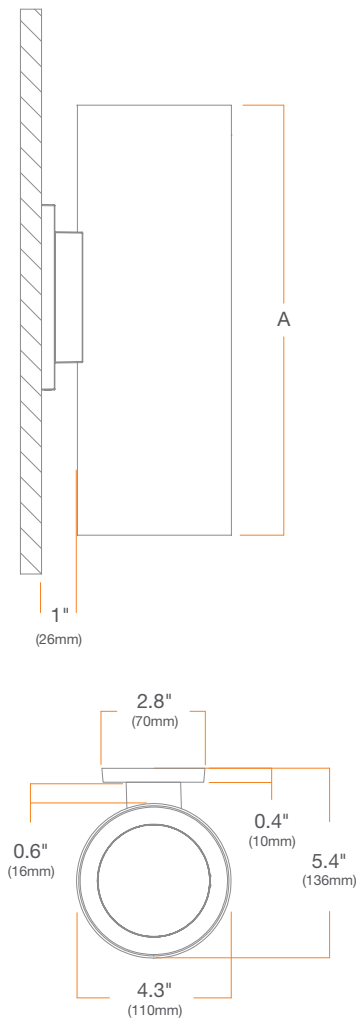


CYLINDER SIZE	B
Medium	8 1/4" [210 mm]
Large	12 1/4" [311 mm]



Wall Mount, Uplight & Downlight

DC4WM

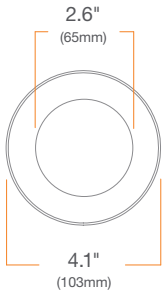


CYLINDER SIZE	A
Large	12" [305 mm]

TRIM

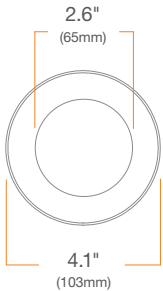
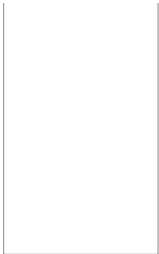
Standard Trim

-R



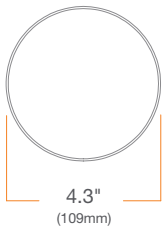
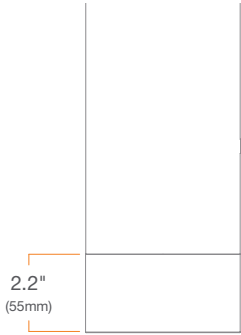
Hyperbolic Trim

-H



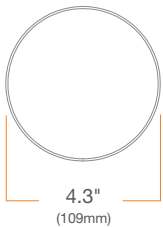
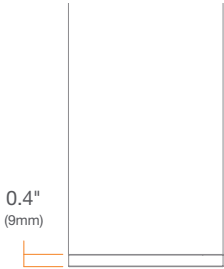
Decorative Trim

-D



Low-Profile Decorative Trim

-L

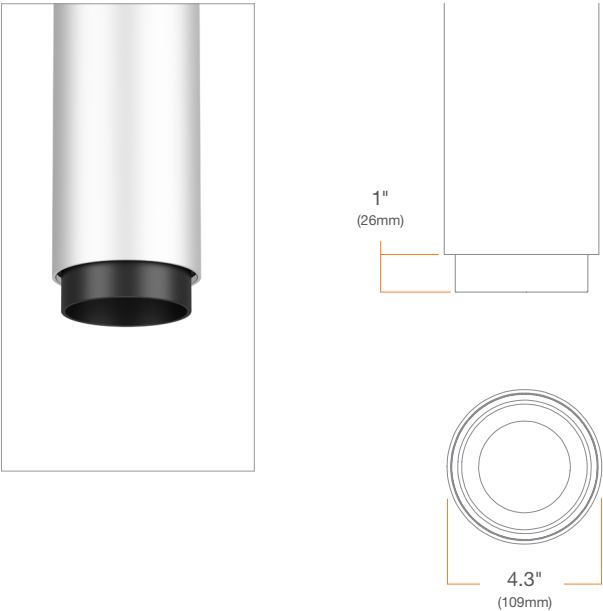




TRIM

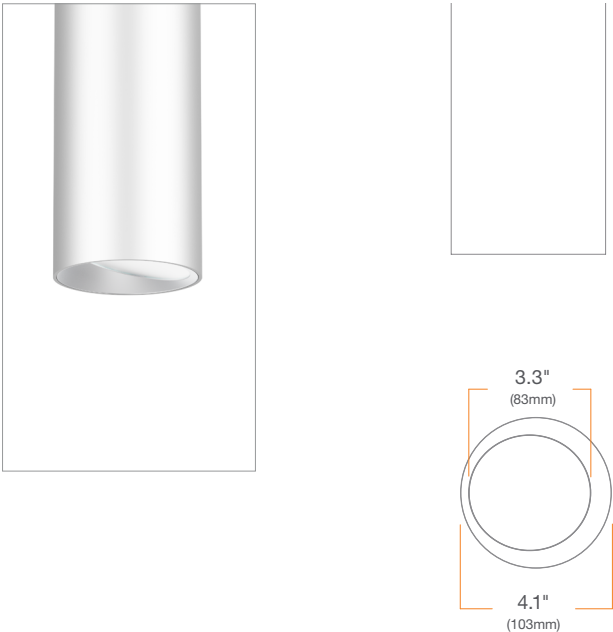
Snoot Trim

-S



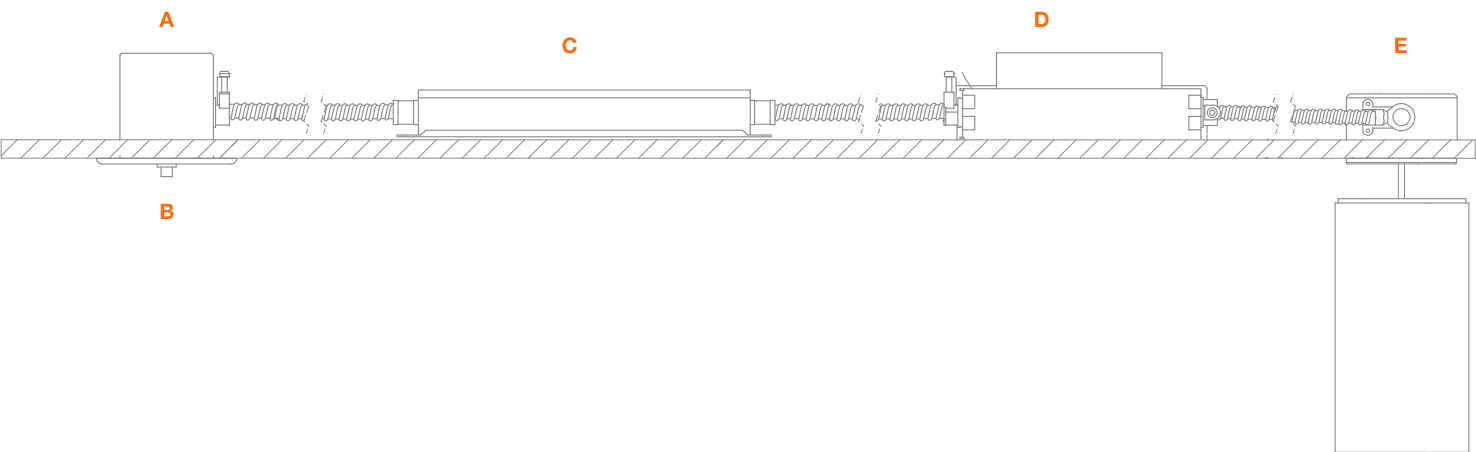
Wall Wash Trim

-W





Emergency Lighting Kit

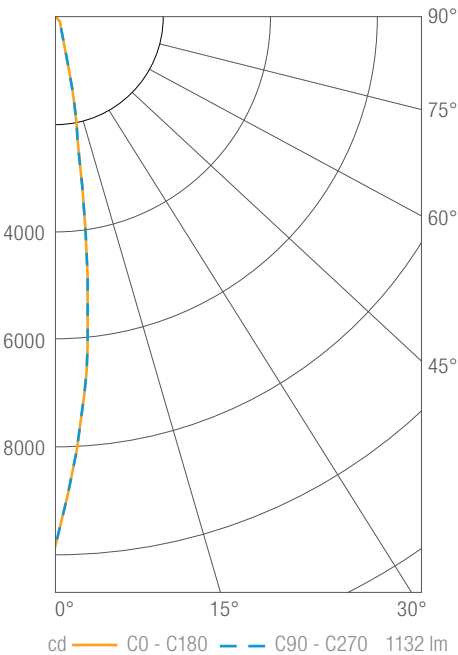


ITEM	LENGTH	WIDTH	HEIGHT
A Junction Box (not included)	N/A	N/A	N/A
B Remote Test Switch	4 1/2" [114 mm]	2 3/4" [70 mm]	9/16" [15 mm]
C Emergency LED Driver (Battery)	10 5/8" [271 mm]	2 5/16" [58 mm]	1 1/2" [38 mm]
D Cylinder Driver	4 15/16" [126 mm]	3 3/8" [85 mm]	2 11/16" [68 mm]
E Junction Box (not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

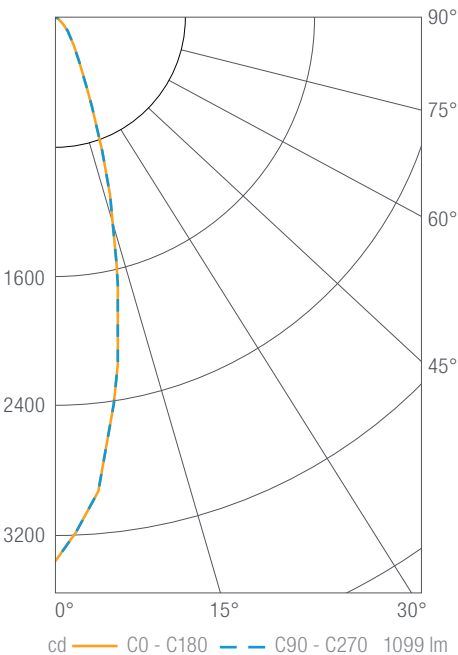
Illuminance Chart

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

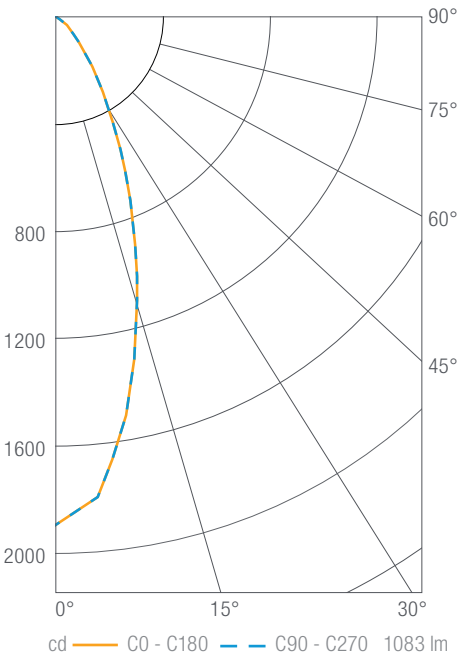
Distance from LED	Foot Candles	Diameter
3'	374	1.4'
6'	93	2.8'
9'	42	4.2'
12'	23	5.6'

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

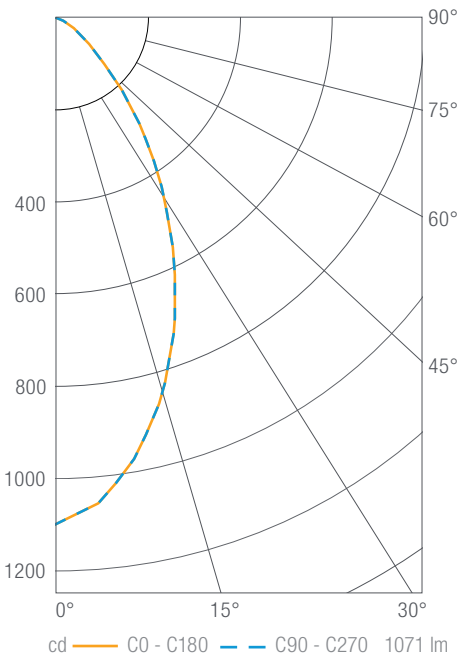
Illuminance Chart

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

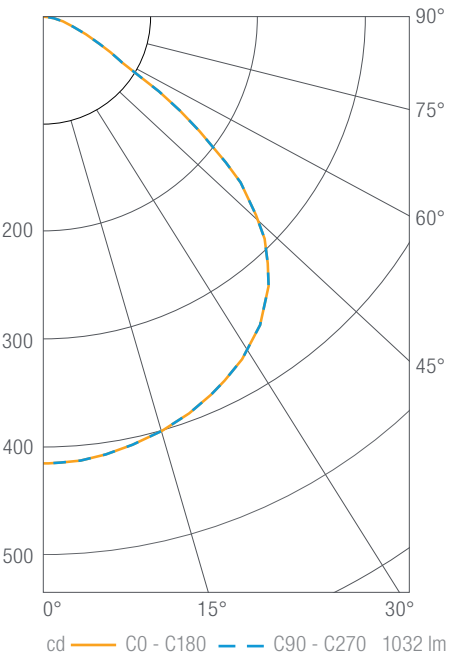
Distance from LED	Foot Candles	Diameter
3'	122	3.1'
6'	31	6.2'
9'	14	9.3'
12'	8	12.3'

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

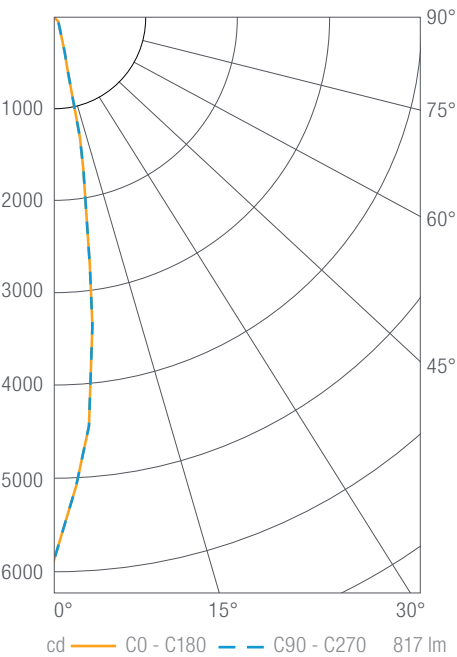
Illuminance Chart

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'

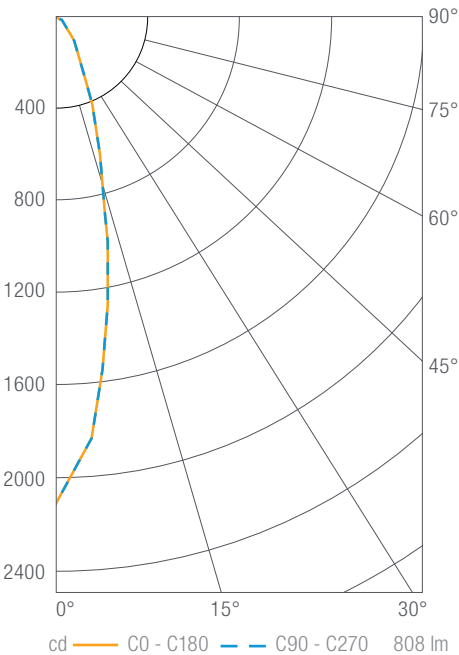
Beam Angle: 16°



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

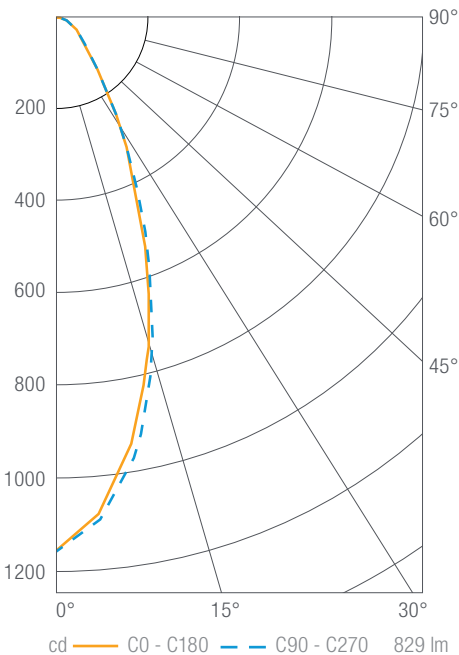
Illuminance Chart

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°