4" Cylinder

(Formerly M Series Cylinder)

V032426

Pendant Mount

- Embedded 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

- Shadowless pendant uplight allows for direct and indirect lighting from a single cylinder

- Die-cast aluminum trims with no visible hardware for a sleek, symmetrical design

CYLINDER

Mount

Cord, Stem

Size

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

Suspension Length

Standard: 24" or 48"
Custom: Up to 156" (Cord) or 96" (Stem)

Canopy

Standard

Trims

Standard, Decorative, Low Profile, Snoot, Wall Wash

Finish

Standard: White, Black, Bronze
Premium: Brushed Aluminum, Custom Color

EMERGENCY LIGHTING

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

MAINTENANCE

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

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

- 15° Narrow Spot
- 25° Spot
- 40° Flood
- 60° Wide Flood
- 90°+ General

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 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

dmf

DMF LightSpeed
Standard Lead Time: 5-10 days
Wet Location & Emergency Applications: 10-15 days
Custom Color: 10 weeks

PRODUCT BUILDER

CYLINDER	4CP	4CP	4" Pendant Mount Cylinder					
SHAPE	R	R	Round					
SIZE		04	4 Inch (2000 lm Max)	08	8 Inch (2000 lm Max)	12	12 Inch (3000 lm Max)	
SUSPENSION		C	Cord	S	Stem ⦿			
LENGTH		2	24"	4	48"	C	Custom ¹	
MOISTURE RATING		S	Standard (Damp Location)	W	Wet ² (IP65 Location)			
LIGHT OPTIONS		D	Downlight ⦿	A	Adjustable ³			
LUMENS DOWN ⁴		07	750 lm ⦿	10	1000 lm ⦿	12	1250 lm ⁵ ⦿	15	1500 lm ⁵ ⦿
		20	2000 lm ⁵,⁶ ⦿	25	2500 lm ⁵,⁶	30	3000 lm ⁵,⁶	
BEAM SPREAD DOWN		NS	Narrow Spot (15°) ⁷,⁸	SP	Spot (25°)	FL	Flood (40°)	
		WF	Wide Flood (60°) ⁵	GA	General Ambient (90°+) ⁵,⁸			
SPECIALTY LENS (Adjustable Only)		0	None ⦿	H	Hex Louver ⁹			
LUMENS UP ⁴,⁵ (8" or 12" Only)		00	None ⦿ ⊕	07	750 lm	10	1000 lm	12	1250 lm
		15	1500 lm	20	2000 lm ⁶			
BEAM SPREAD UP ⁵ (8" or 12" Only)		00	None ⦿ ⊕	NS	Narrow Spot (15°) ⁷,⁸	SP	Spot (25°)	FL	Flood (40°)
		WF	Wide Flood (60°)	GA	General Ambient (90°+) ⁸			
CCT		24	2400K ¹⁰ ⊕	27	2700K ⊕	30	3000K ⊕	35	3500K
		40	4000K	3W	Warm Dim ¹¹ ⊕ (3000K-1800K)	T1	Tunable White ¹² (4000K-1800K)	T1	Tunable White ¹² (6500K-2700K)
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%) ¹³	
WIRELESS coming soon (Downlight Only)		0	None	A	Athena Node ⁶			
EMERGENCY		00	None	EO	EM, Remote Test Switch ¹⁴			
TRIM DOWN		S	Standard Trim ⦿	N	Snoot Trim (Black Only)	D	Decorative Trim ¹⁵	
		L	Low Profile Decorative Trim ¹⁵ ⦿	W	Wall Wash Trim ¹⁶			

⦿ Required for Wet Location/IP65 rating
⊕ Required for Dark Sky Compliance

¹ Custom Length Cord/Stem must be specified on PO, minimum length 3", maximum length 156" (Cord) 96" (Stem)

² Only available in 750-2000lm; Requires Round Standard, Decorative, or Low Profile Trim. Not available with Uplight

³ Only available in 750 or 1000 lm; Damp Location rated with Standard Round Trim only; Not available for Uplight

⁴ Combined lumens cannot be greater than 2000 lm for 4" or 8" size and 3000 lm for 12" size

⁵ Not available in Adjustable

⁶ Only available with 0-10V

⁷ Not available with Warm Dim or Tunable White

⁸ Lumen Range Limited to 750-2000lm

⁹ Adjustable Only; Not available with DALI-2

¹⁰ Lumen Range Limited to 750 or 1000lm

¹¹ Only available in 1000 lm; not available in Narrow Spot

¹² Only available in 1000 lm downlight/750 lm adjustable; requires DALI-2; not available in Narrow Spot

¹³ Only available in 1000 lm (Warm Dim/Tunable White) or 1250 lm (Static) for Downlight; 750lm and 1000 lm Warm Dim or Static CCT and 750 lm (Tunable White) or 1000 lm (Static/Warm Dim) for Adjustable

¹⁴ Emergency uses a remote mounted EM kit with driver and remote test switch

¹⁵ Lumen range limited to 750–1500 lm; General Ambient beam spread only

¹⁶ Only available with WF Optic; not available in Custom Colors

PRODUCT BUILDER

ACCESSORIES

4CCX-SW	Round Standard Trim, White
4CCX-SB	Round Standard Trim, Black
4CCX-SA	Round Standard Trim, Brushed Aluminum
4CCX-SZ	Round Standard Trim, Bronze
4CCX-SC	Round Standard Trim, Custom Color
4CCX-N	Snoot Trim[1] (Black Only)
4CCX-L	Low Profile Decorative Trim
4CCX-D	Decorative Trim
4CCX-JW	Junction Box Cover, White[1]
4CCX-JB	Junction Box Cover, Black[1]
4CCX-JA	Junction Box Cover, Brushed Aluminum[1]
4CCX-JZ	Junction Box Cover, Bronze[1]

[1] *Damp Location rated; not for use in Wet Locations*

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), 1500 lm (14.3W), 2000 lm (24.5W), 2500 lm (27.5W), 3000 lm (34W)	1000 lm (12.5W)	Downlight: 1000 lm (14.5W) Adjustable: 750lm (12.5W)
EFFICACY	79 lm/W, 80 lm/W, 87lm/W, 105 lm/W, 82 lm/W, 91 lm/W, 88 lm/W	80 lm/W	Downlight: 80 lm/W Adjustable: 79 lm/W
COLOR QUALITY	93 CRI [1], 2-step SDCM	93 CRI [1], 2-step SDCM	93 CRI [1], 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% [2]	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 [3], California Title 24 2019 - 2022 JA8-E Compliant, UL Listed for Wet Location (option), IP65 rated (option), UL Certified US·CA, Declare, RoHS Compliant, NSF/ANSI-2 Splash Zone Safe [4], Dark Sky Compliant (option), DALI-2 Compliant, Compliant to FCC Title 47 Part 15; Class B		

[1] Tested in accordance to IESNA LM-79-2008

[2] Only available in 1250lm (14.5W)

[3] Refer to ENERGY STAR Certified light fixtures database

[4] 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): 0.290 amps

MAX INPUT CURRENT (277V): 0.135 amps

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

SIZE: 4", 8", 12"

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

MOUNT: Installs in most 3" octagonal, 4" octagonal, 3" round and 4" round boxes

SUSPENSION: 24" or 48" standard. Cord: Custom length up to 156". White, black, or silver with round canopy. Stem: Custom length up to 96". Painted steel stem with round canopy and hanging straight endpoint with up to 30° tilt (meets CA IR 16-9)

MODULE PERFORMANCE

Based on 93 CRI, 3000K Downlight Module + Standard White Trim (S) Configuration
(Please refer to IES files for other trim types)

		STATIC CCT						WARM DIM	T1	T2
LED CHIP		CREE 93 CRI							Bridgelux 93 CRI	
SDCM		2-STEP							3-STEP	
PN DESIGNATION		07	10	12	15	20	25	30	10	10	10
WATTAGE		9.5W	12.5W	14.3W	14.3W	24.5W	27.5W	34.0W	12.5W	14.5W	14.5W
NS	Lumens	718	983	1111	1278	2163					
	LPW [1]	75.5	78.6	77.7	77.4	90.1		N/A			
	CBCP [2]	6227	8530	9639	11089	18766					
	UGR [3]	13	14.1	14.5	15	16.8					
SP	Lumens	696	953	1077	1239	2097	2603	3044	848	994	1094
	LPW	73.2	76.2	75.3	75.1	87.4	94.7	89.5	67.9	68.6	75.4
	CBCP	2131	2919	3298	3795	6421	12861	15037	2598	2254	2479
	UGR	13.2	14.3	14.7	15.2	17	12.2	12.8	13.8	16.5	16.8
FL	Lumens	685	939	1061	1221	2066	2545	2976	836	981	1079
	LPW	72.2	75.1	74.2	74	86.1	82.5	87.5	66.9	67.7	74.4
	CBCP	1196	1638	1851	2130	3604	9094	10634	1458	1257	1382
	UGR	14.9	16	16.4	16.9	18.8	12.6	13.1	15.6	17.4	17.7
WF	Lumens	677.4	928	1049	1206	2042	2453	2868	826	956	1052
	LPW	71.3	74.2	73.3	73.1	85.1	89.2	84.4	66.1	66	72.6
	CBCP	696	953	1077	1239	2096	1926	2252	848	1090	1199
	UGR	17.3	18.4	18.8	19.3	21.1	22.4	23	18	17.8	18.1
GA	Lumens	654	896	1012	1165	1971	-	-	797	1031	1134
	LPW	68.9	71.7	70.8	70.6	82.1	-	-	63.8	71.1	78.2
	CBCP	264	362	409	470	796	-	-	322	595	655
	UGR	22.1	23.2	23.6	24.1	25.9	-	-	22.8	21.8	22.2

	STATIC					WARM DIM		T1 TUNABLE WHITE			T2 TUNABLE WHITE		
CCT MULTIPLIER	2400K	2700K	3000K	3500K	4000K	1800K	3000K	1800K	3000K	4000K	2700K	3000K	6500K
	0.80	0.93	1	1.05	1.07	0.05	1	0.73	1	1.12	0.96	1	1.07

EMERGENCY BATTERY MULTIPLIER	LPW X 5W

[1] LPW: Lumens per watt
[2] CBCP: Center beam candlepower
[3] UGR: Unified glare ratio (0.7/0.5/0.2, 4H/8H)

ADJUSTABLE MODULE PERFORMANCE

Based on 93 CRI, 3000K Adjustable Module+ Standard White Trim (S) Configuration
(Please refer to IES files for other trim types)

		STATIC CCT		WARM DIM	T1 TUNABLE WHITE	T2 TUNABLE WHITE
LED CHIP		CREE 93 CRI		Bridgelux 93 CRI		
SDCM		2-STEP		3-STEP		
PN DESIGNATION		07	10	10	07	07
WATTAGE		9.5W	12.5W	12.5W	12.5W	12.5W
NS	Lumens	729	984	N/A		
	LPW [1]	81	78.7			
	CBCP [2]	5264	7106			
	UGR [3]	14.6	15.6			
SP	Lumens	720	972	915	831	854
	LPW	80	77.8	73.2	69.2	71.1
	CBCP	1876	2532	2385	2164	2224
	UGR	15.5	16.6	16.4	16	16.1
FL	Lumens	739	998	939	853	876
	LPW	82.1	79.8	75.2	71.1	73
	CBCP	1032	1394	1312	1191	1224
	UGR	18.4	19.4	19.2	18.9	19

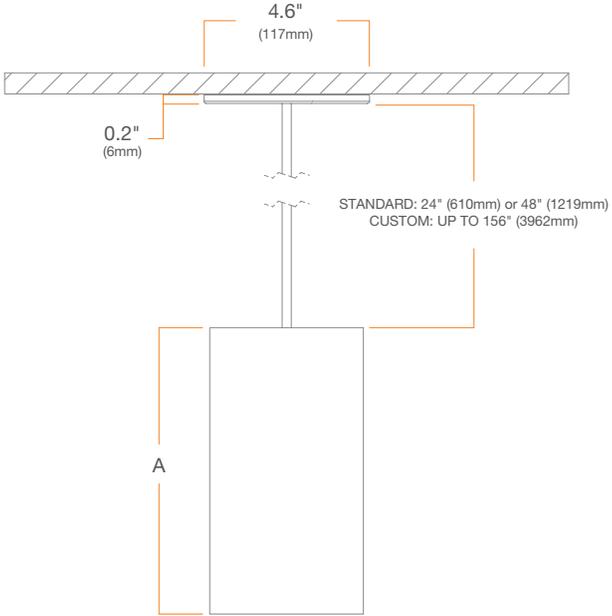|	STATIC					WARM DIM		T1 TUNABLE WHITE			T2 TUNABLE WHITE		
CCT MULTIPLIER	2400K	2700K	3000K	3500K	4000K	1800K	3000K	1800K	3000K	4000K	2700K	3000K	6500K
	0.8	0.93	1	1.05	1.07	0.05	1	0.7	1	1.12	0.96	1	1.07

HEX LOUVER MULTIPLIER	0.6

[1] LPW: Lumens per watt
[2] CBCP: Center beam candlepower
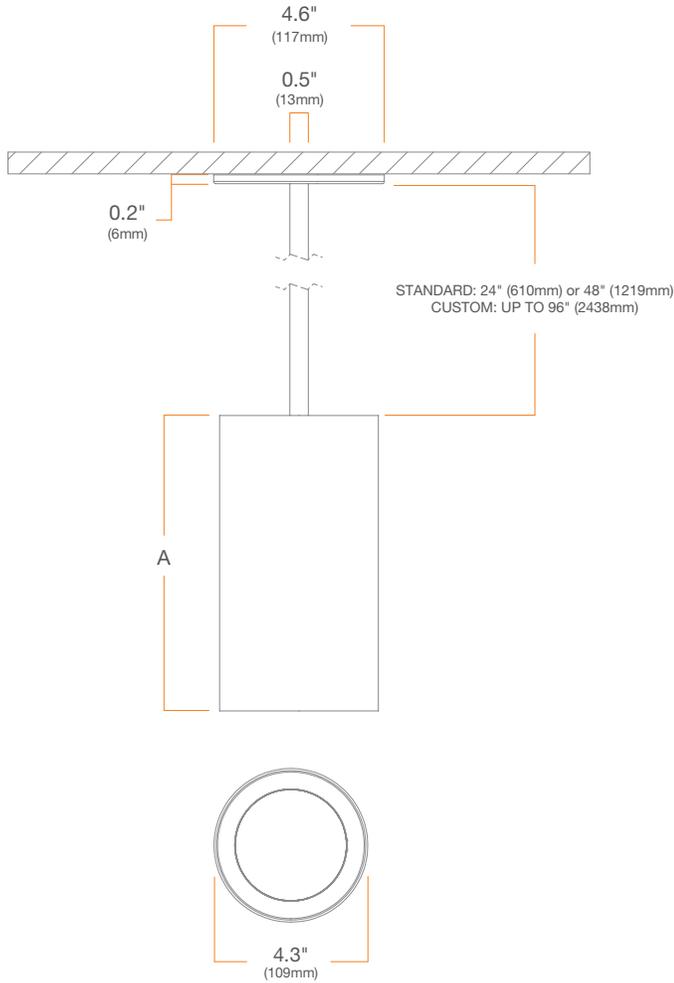[3] UGR: Unified glare ratio (0.7/0.5/0.2, 4H/8H)

Cord Mount

4CPRxxC

4.6"
(117mm)

0.2"
(6mm)

STANDARD: 24" (610mm) or 48" (1219mm)
CUSTOM: UP TO 156" (3962mm)

A

4.3"
(109mm)

A
4" [102 mm]
8" [203 mm]
12" [305 mm]

Stem Mount

4CPRxxSxS

4.6"
(117mm)

0.5"
(13mm)

0.2"
(6mm)

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

A

4.3"
(109mm)

Stem Mount, Wet Location

4CPRxxSxW

4.6"
(117mm)

0.5"
(13mm)

0.2"
(6mm)

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

B

4.3"
(109mm)

A
4" [102 mm]
8" [203 mm]
12" [305 mm]
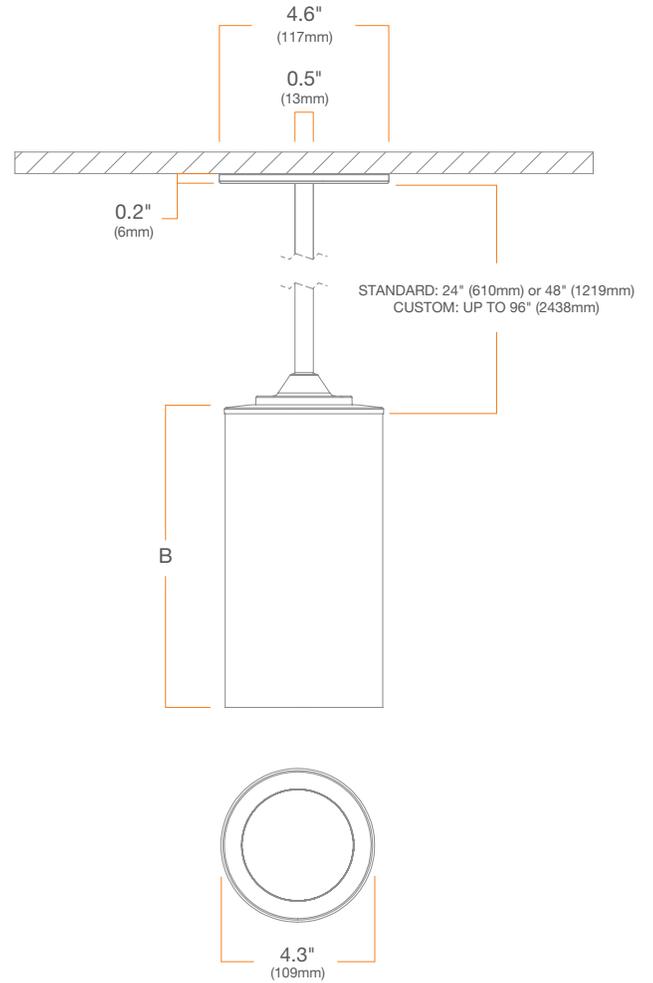
B
4 1/4" [108 mm]
8 1/4" [210 mm]
12 1/4" [311 mm]

Standard Trim

-S

2.6"
(65mm)

4.1"
(103mm)

Decorative Trim[1]

-D

2.2"
(55mm)

4.3"
(109mm)

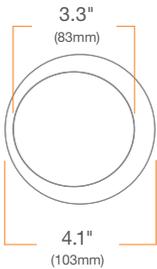## Low Profile Decorative Trim[1]

-L

0.4"
(9mm)

4.3"
(109mm)

Snoot Trim

-N

1"
(26mm)

4.3"
(109mm)
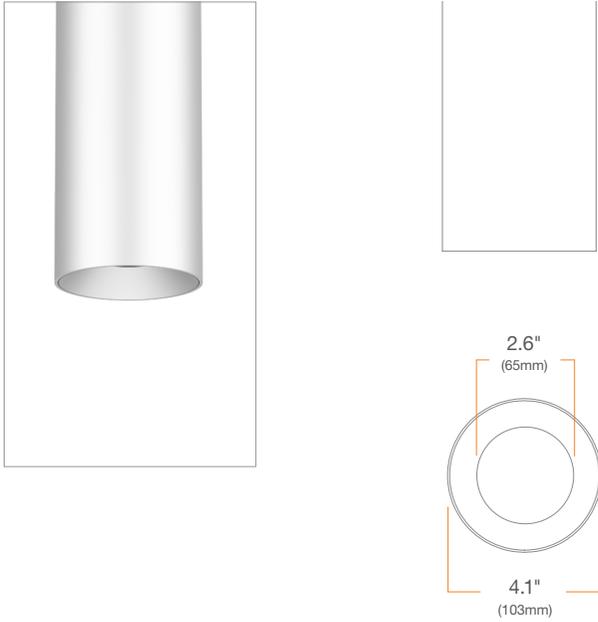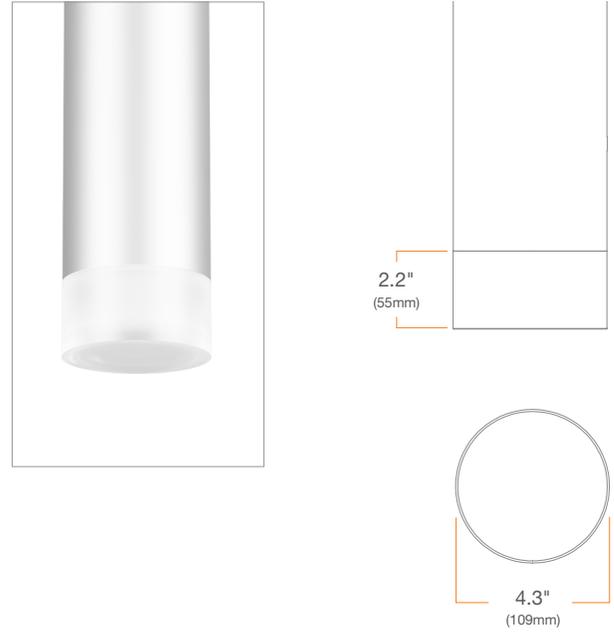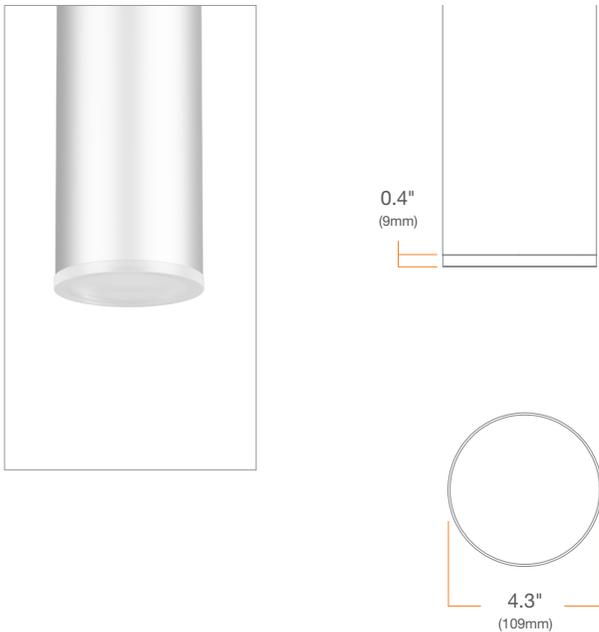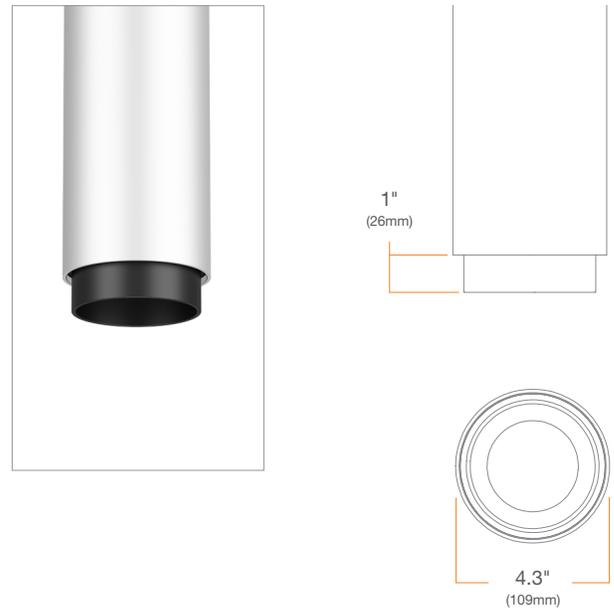
[1] IK10 Rated

Wall Wash Trim

-W

3.3"
(83mm)

4.1"
(103mm)
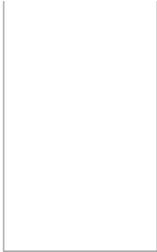
Junction Box (J-Box) Cover [2]

4CCX-J

2.6"
(67mm)

6"
(152mm)
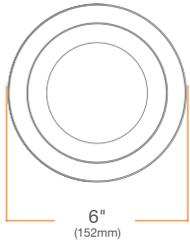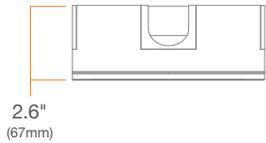
[2] *Damp Location rated; not for use in Wet Locations*

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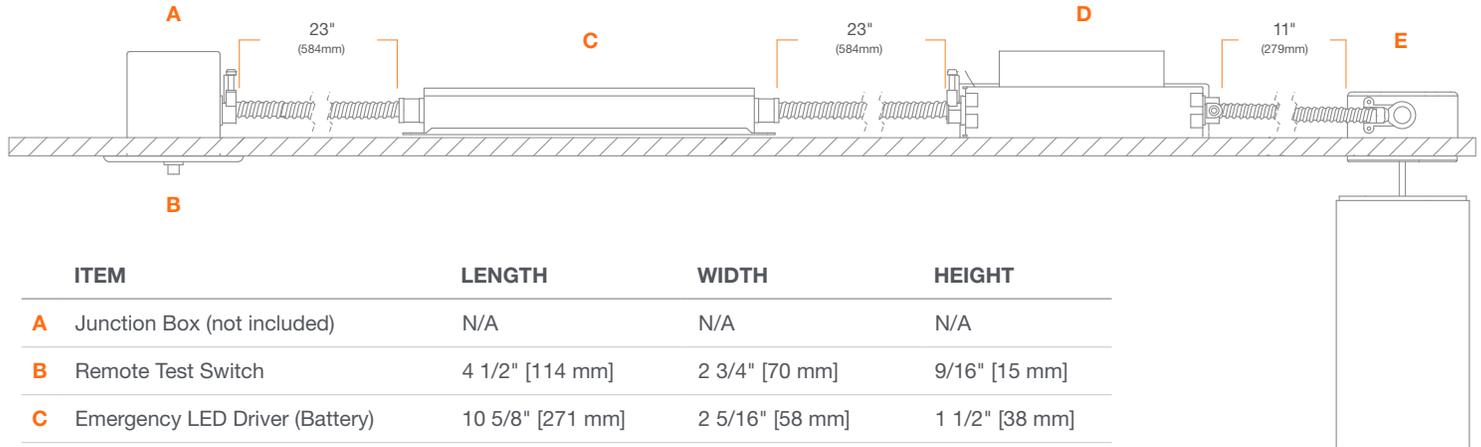
	ITEM	LENGTH	WIDTH	HEIGHT
A	Junction Box (not included)	N/A	N/A	N/A
B	Remote Test Switch	4 1/2" [114 mm]	2 3/4" [70 mm]	9/16" [15 mm]
C	Emergency LED Driver (Battery)	10 5/8" [271 mm]	2 5/16" [58 mm]	1 1/2" [38 mm]
D	Cylinder Driver	4 15/16" [126 mm]	3 3/8" [85 mm]	2 11/16" [68 mm]
E	Junction Box (not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

EMERGENCY LIGHTING SPECIFICATIONS

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

ILLUMINATION TIME: 90 Minutes

EMERGENCY WATTAGE: 5W (Constant)

EMERGENCY LUMENS: 5W × LPW (Efficacy)

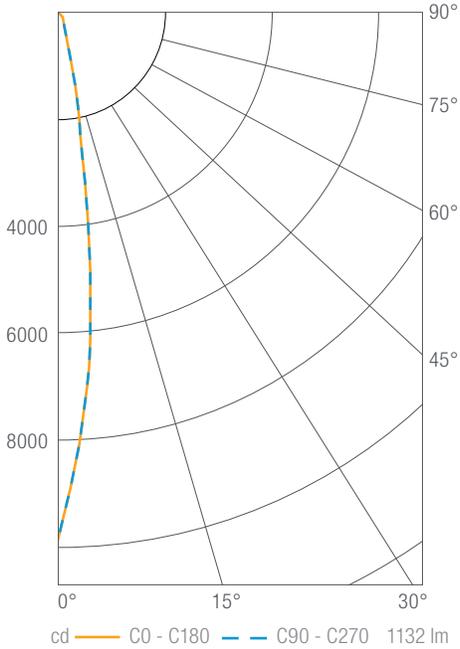**COMPATIBILITY:** Not available for Uplight applications

INSTALLATION NOTES:
EM Kit includes an emergency LED driver and remote test switch. Components are designed for remote mounting above the ceiling (refer to the installation diagram above).

dmf®

PHOTOMETRY

4" Cylinder Downlight, 1000 lm, 3000K, Narrow Spot

4CPxxxxxxD10NSxxxxx30

cd —— C0 - C180 – – C90 - C270   1132 lm

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°

4" Cylinder Downlight, 1000 lm, 3000K, Spot

4CPxxxxxD10SPxxxxx30

cd —— C0 - C180 – – C90 - C270   1099 lm
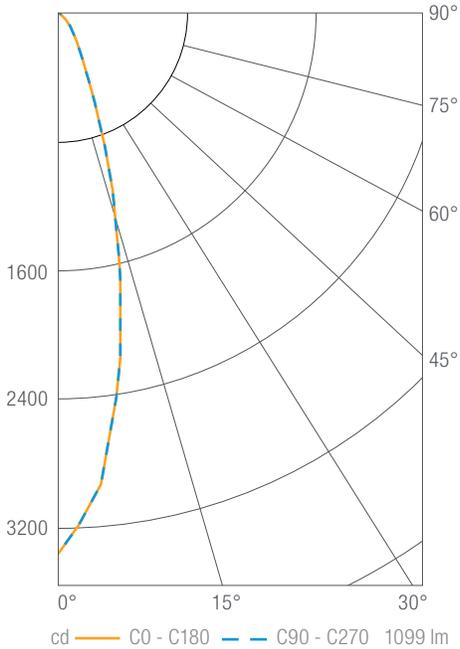
Luminous Intensity

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°

PHOTOMETRY

4" Cylinder Downlight, 1000 lm, 3000K, Flood

4CPxxxxxD10FLxxxxx30

cd —— C0 - C180 – – C90 - C270 1083 lm
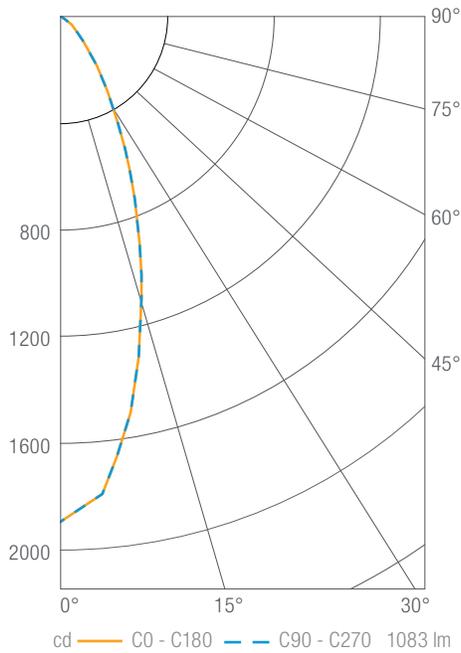
Luminous Intensity

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°

4" Cylinder Downlight, 1000 lm, 3000K, Wide Flood

4CPxxxxxD10WFxxxxx30

cd —— C0 - C180 – – C90 - C270 1071 lm
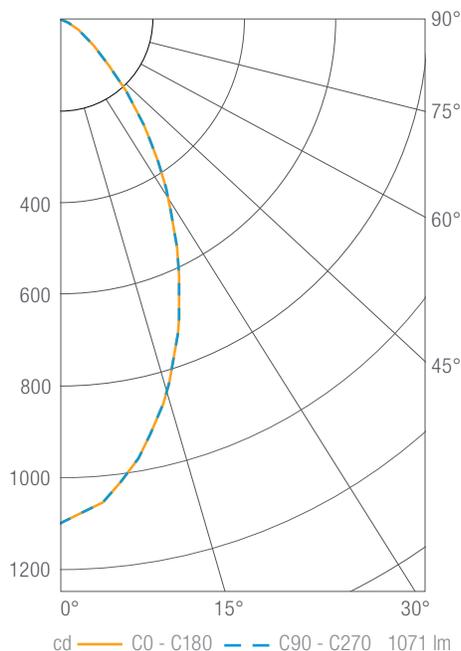
Luminous Intensity

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

4" Cylinder Downlight, 1000 lm, 3000K, General Ambient

4CPxxxxxD10GAxxxxx30

cd — C0 - C180 — - C90 - C270 1032 lm
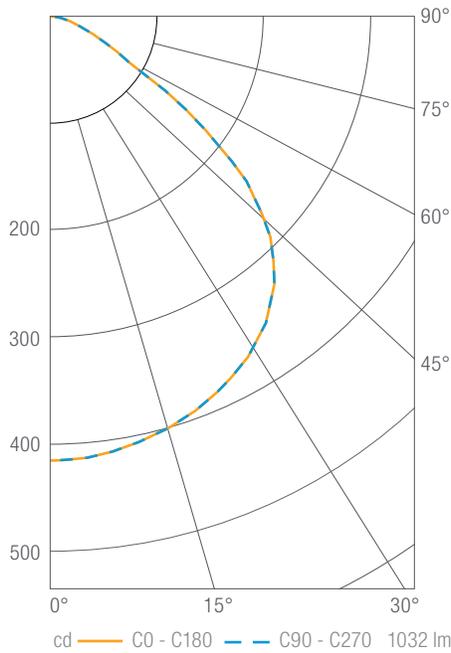
Luminous Intensity

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°

4" Cylinder Adjustable, 750 lm, 3000K, Narrow Spot

4CPxxxxxA07NSxxxxx30

cd — C0 - C180 — - C90 - C270 817 lm
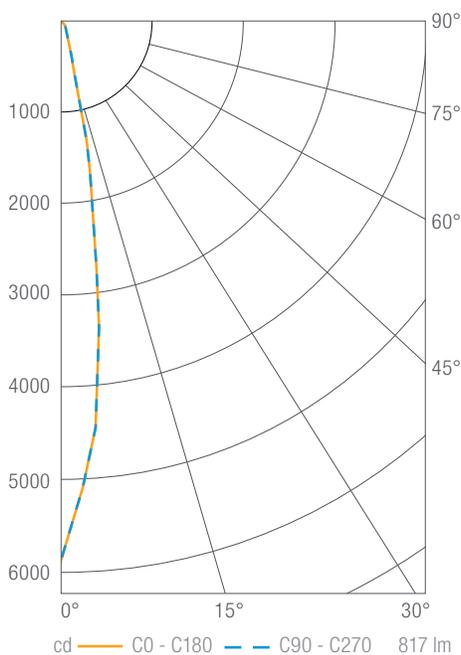
Luminous Intensity

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

4" Cylinder Adjustable, 750 lm, 3000K, Spot

4CPxxxxxA07SPxxxxx30

cd —— C0 - C180   – – C90 - C270   808 lm
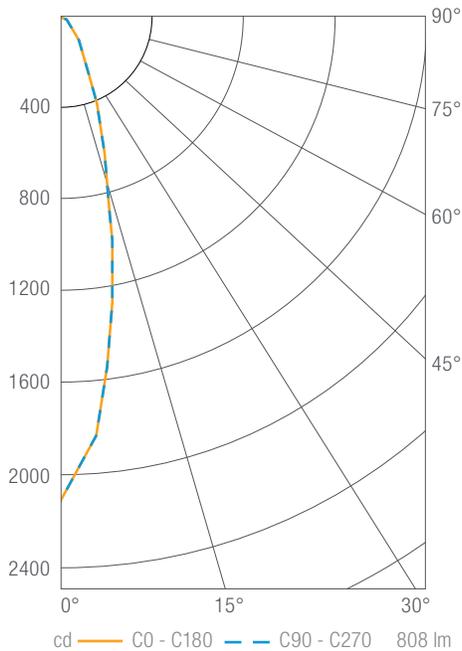
Luminous Intensity

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°

4" Cylinder Adjustable, 750 lm, 3000K, Flood

4CPxxxxxA07FLxxxxx30

cd —— C0 - C180   – – C90 - C270   829 lm
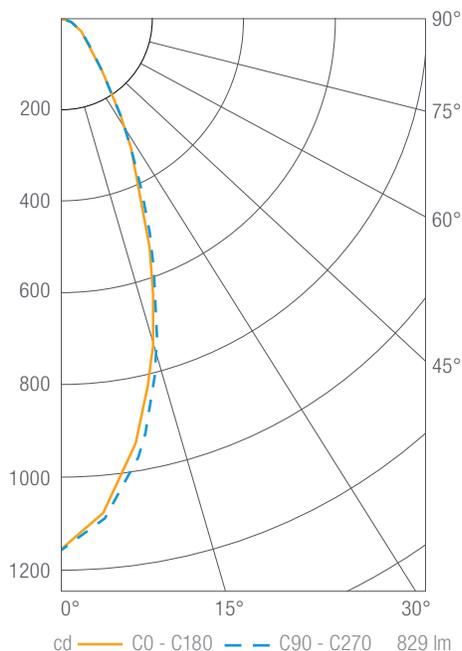
Luminous Intensity

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°