DCC

Turtle Friendly Cylinder Lighting

Project:	Type:
Product Code:	Date:

- Compliant with FWC guidelines to minimize lighting's impact on sea turtles
- Powered by DMF's advanced LED downlight technology
- Modular Twist & Lock trims and Plug & Play light engines for easy maintenance and on-site modifications
- Shadowless pendant uplight allows for direct and indirect lighting from a single cylinder
- Die-cast aluminum with no visible hardware for a sleek, symmetrical design

Lumen Output
400 lm (12W)

Mount
Surface, Cord, Stem, Wall

Wavelength
> 560 nm

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

Color Temperature

Turtle Friendly

Finish
White, Black, Brushed Aluminum, Bronze, Custom Color

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

Lighting Type

Downlight   Up and downlight

Optics

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

Input
120/277V

1% Dimming
TRIAC/ELV, 0-10V, Lutron EcoSystem

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

Trims and Shades
Round Beveled Trim, Hyperbolic Trim, Snoot, Decorative Trim, Low-Profile Decorative Trim, Round Shade, Flat Shade

Standards

Ratings
Wet location available

Guarantee
50,000 hrs | 5 years

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PRODUCT BUILDER

CYLINDER		**DC4** 4" Cylinder			
MOUNT		**C2** Cord Mount, 24"	**C4** Cord Mount, 48"	**CC** Cord Mount, Custom [1]	
		T2 Stem Mount, 24"	**T4** Stem Mount, 48"	**TC** Stem Mount, Custom [1]	
		SM Surface Mount	**WM** Wall Mount [2]		
MOISTURE RATING		**S** Standard (Damp Location)	**W** Wet Location [3]		
LENGTH		**S** Small (4")	**M** Medium (8")	**L** Large (12")	
LIGHT OPTIONS		**D** Fixed			
LUMENS DOWN		**04** 400 lm			
OPTICS DOWN		**GA** General Ambient (90°+)	**NS** Narrow Spot (15°)	**SP** Spot (25°)	
		FL Flood (40°)	**WF** Wide Flood (60°)		
UPLIGHT		**00000** None			
CCT		**TF** Turtle Friendly			
FINISH		**WH** White	**BK** Black	**BA** Brushed Aluminum	
		BZ Bronze	**CC** Custom Color		
DRIVER		**T** TRIAC/ELV (1%)	**O** 0-10V (1%)	**C** Lutron EcoSystem LDE1 (1%) [4]	
EMERGENCY LIGHT		**00** None	**EM** EM, Remote Test Switch [5]		
TRIM / SHADE DOWN		**R** Round Beveled Trim	**H** Hyperbolic Trim	**S** Snoot	**D** Decorative Trim [6]
		L Low Profile Decorative Trim [6]	**RWC** Round Shade: White, Clear [7]	**RWW** Round Shade: White, Warm [7]	**RBC** Round Shade: Black, Clear [7]
		RBW Round Shade: Black, Warm [7]	**RAC** Round Shade: Aluminum, Clear [7]	**RCC** Round Shade: Custom Color [7]	**FWC** Flat Shade: White, Clear [7]
		FWW Flat Shade: White, Warm [7]	**FBC** Flat Shade: Black, Clear [7]	**FBW** Flat Shade: Black, Warm [7]	**FAC** Flat Shade: Aluminum, Clear [7]
		FCC Flat Shade: Custom Color [7]			

[1] Requires DCCX-CC/TC Custom Length Cord/Stem, minimum length 3", maximum length 156" (Cord), 96" (Stem)

[2] Only available in Medium or Large size

[3] Only available in Surface, Downlight Stem, or Wall Mount; 750, 1000, 1250, 1500 or 2000 lm; with Round Beveled, Decorative, or Low Profile Trim

[4] Only available in Medium or Large size or Medium

[5] TRIAC/ELV driver utilizes micro inverter; 0-10V or EcoSystem drivers utilize EM Kit mounted above ceiling with emergency LED driver & remote test switch

[6] Only available in General Ambient beam spread

[7] Not available in Wall Mount

PRODUCT BUILDER

ACCESSORIES

DCCX-CC	Custom Length Cord Mount (up to 156")
DCCX-TC	Custom Length Stem Mount (up to 96")
DCCX-RW	Round Beveled Trim, White
DCCX-RB	Round Beveled Trim, Black
DCCX-RA	Round Beveled Trim, Brushed Aluminum
DCCX-RZ	Round Beveled Trim, Bronze
DCCX-RC	Round Beveled Trim, Custom
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
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-RCC	Round Shade: Custom Color
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-FCC	Flat Shade: Custom Color
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
DCCX-JC	Junction Box Cover, Custom Color

PRODUCT SUMMARY

Large, black, stem mount with Junction Box Cover shown

SUMMARY

LED: Cree® Red-Orange LED (no color filter)

DELIVERED LUMENS: 400 lm (12W)

WAVELENGTH: > 560 nm

DIMMING: Down to 1% 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): 0.10 amps, 0.13 amps, 0.13 amps, 0.35 amps, 0.35 amps

MAX INPUT CURRENT (277V): 0.04 amps, 0.05 amps, 0.05 amps, 0.15 amps, 0.15 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 2019 JA8 compliant, UL Listed for Wet Location (option), UL Certified

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" 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).

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.

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

WARRANTY: 5 year limited warranty

CYLINDER DIMENSIONS

Surface Mount
LED Cylinder
DC4SM

A

ø4 5/16 "
(109mm)

Cord Mount
LED Cylinder
DC4C

1/4 "
(6mm)

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

B

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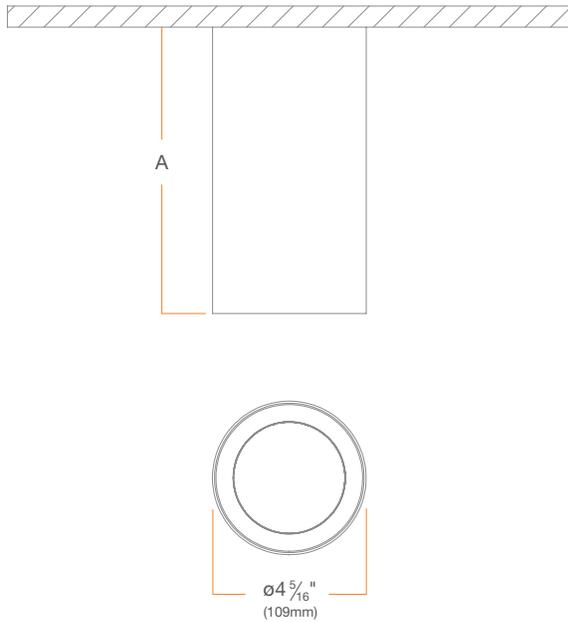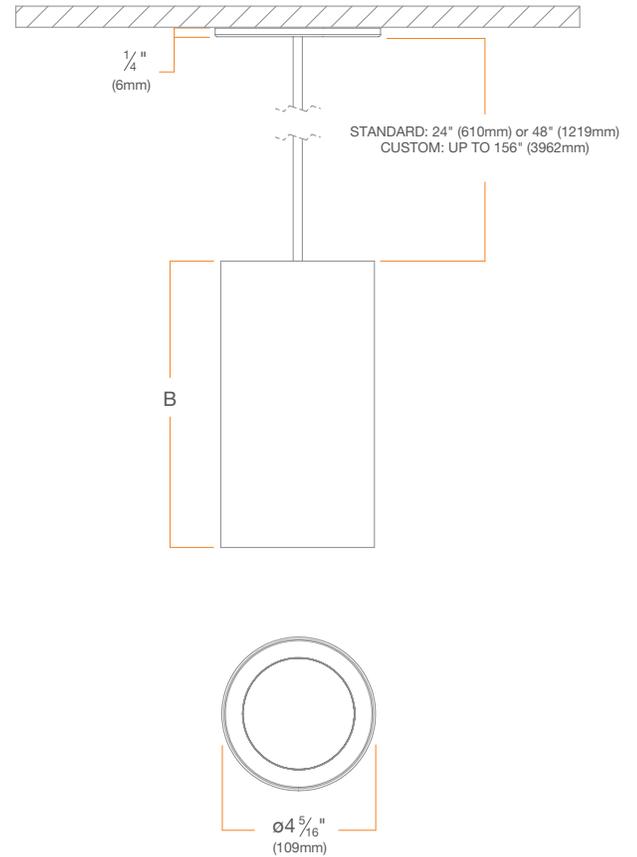
CYLINDER SIZE	A
Small	4" [102 mm]
Medium	8" [203 mm]
Large	12" [305 mm]

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

CYLINDER DIMENSIONS

Stem Mount
LED Cylinder
DC4T

¼"
(6mm)

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

C

ø4 $\frac{5}{16}$ "
(109mm)
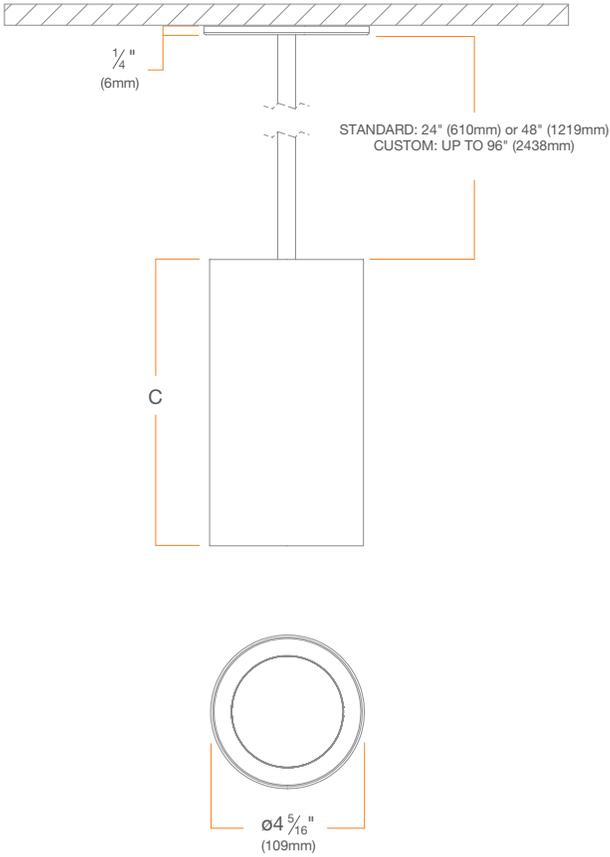
Stem Mount, Wet Location
LED Cylinder
DC4TxW

¼"
(6mm)

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

D

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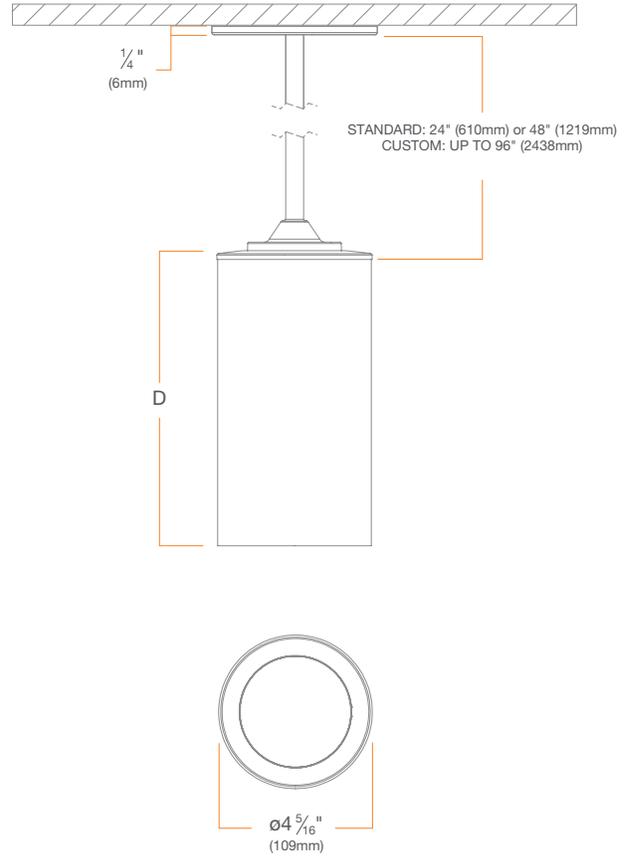
CYLINDER SIZE	C
Small	4" [102 mm]
Medium	8" [203 mm]
Large	12" [305 mm]

CYLINDER SIZE	D
Small	4 $\frac{1}{4}$" [108 mm]
Medium	8 $\frac{1}{4}$" [210 mm]
Large	12 $\frac{1}{4}$" [311 mm]

CYLINDER DIMENSIONS

Wall Mount Downlight
LED Cylinder
DC4WM

3/8 "
(9mm)

5 1/8 "
(131mm)

E

1 "
(25mm)

ø4 5/16 "
(109mm)
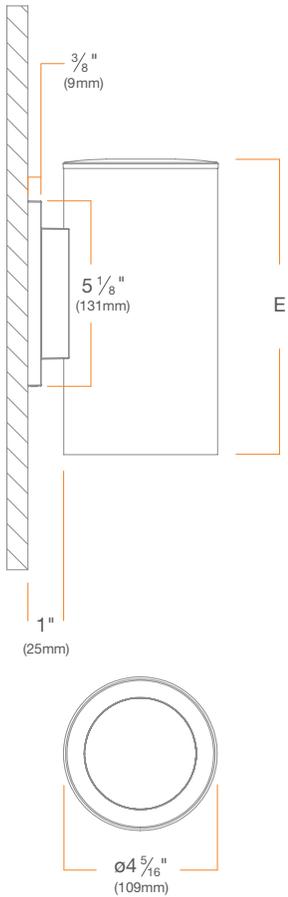
Wall Mount Downlight,
Wet Location LED Cylinder
DC4WMW

3/8 "
(9mm)

4 13/16 "
(123mm)

F

1 11/16 "
(44mm)

ø4 5/16 "
(109mm)
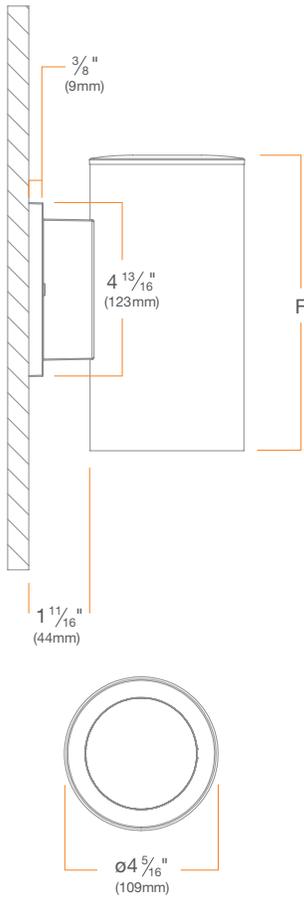
CYLINDER SIZE	E
Medium	8 1/4" [210 mm]
Large	12 1/4" [311 mm]

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

CYLINDER DIMENSIONS

Wall Mount Up and Downlight LED Cylinder
DC4WM

G

1"
(25mm)

ø4 $\frac{5}{16}$ "
(109mm)
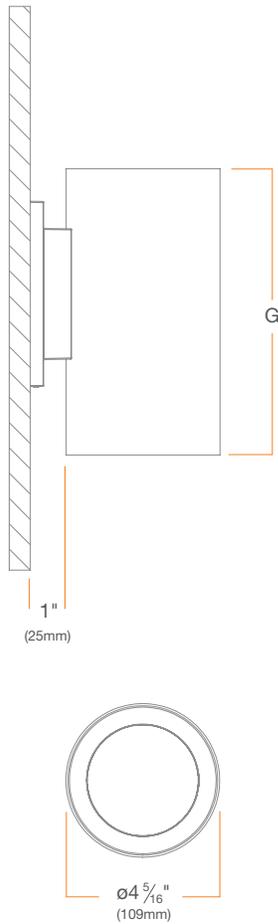
Decorative Trim
DCCX-D

2 $\frac{3}{16}$ "
(55mm)

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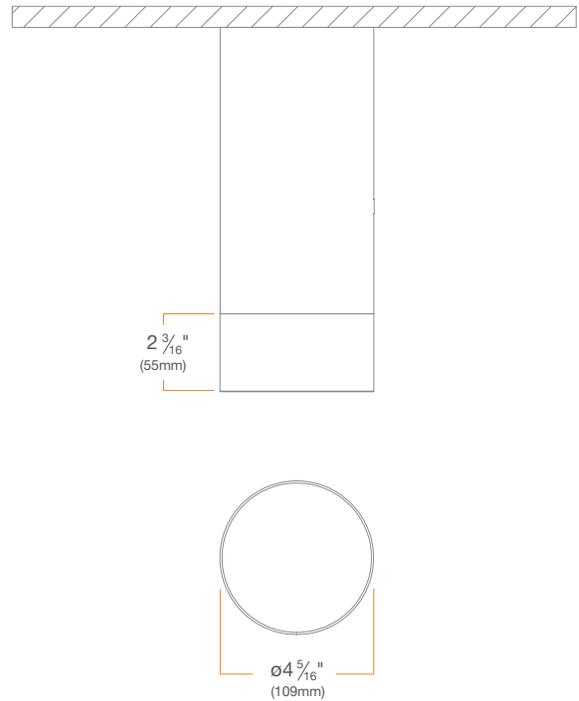
CYLINDER SIZE	G
Medium	8" [203 mm]
Large	12" [305 mm]

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CYLINDER ACCESSORY DIMENSIONS

Low-Profile
Decorative Trim
DCCX-L

$\frac{5}{16}$ "
(9mm)

ø4 $\frac{5}{16}$ "
(109mm)

Snoot
DCCX-S

1 $\frac{1}{16}$ "
(26mm)

ø4 $\frac{5}{16}$ "
(109mm)

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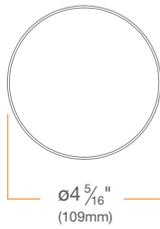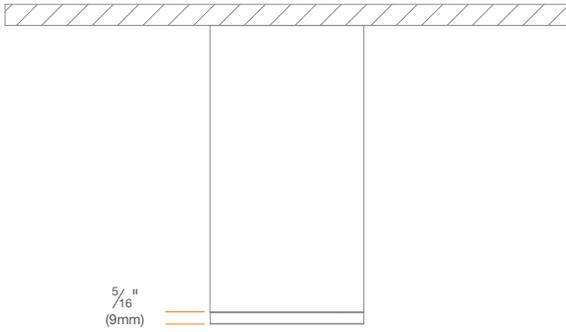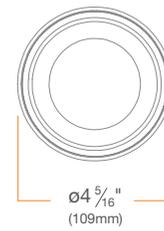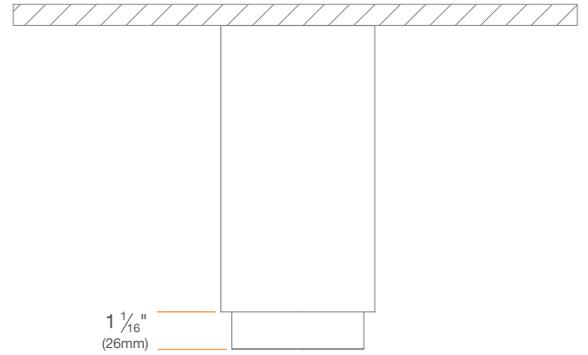
CYLINDER ACCESSORY DIMENSIONS

Round Shade
DCCX-R

9 ⅜ "
(239mm)

ø14 ¼ "
(362mm)

Flat Shade
DCCX-F

5 ⁹⁄₁₆ "
(141mm)

ø13 ⁷⁄₁₆ "
(341mm)
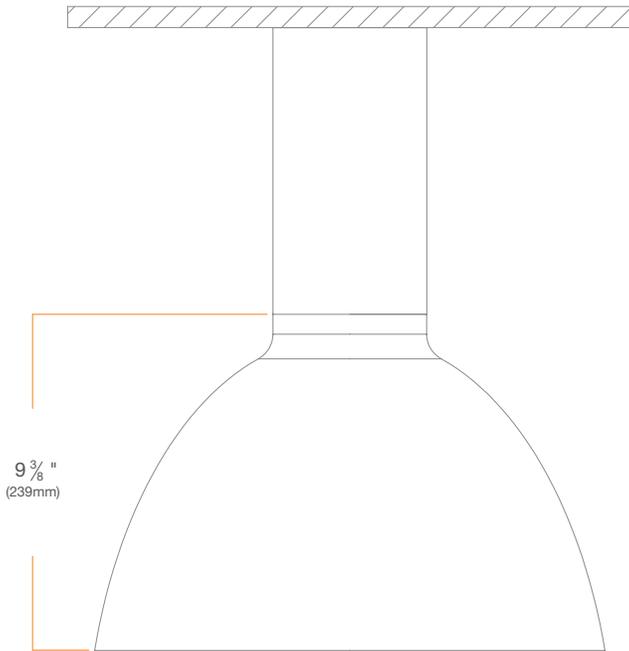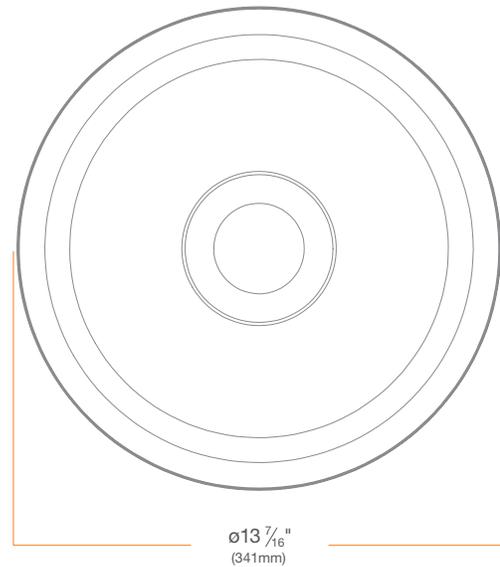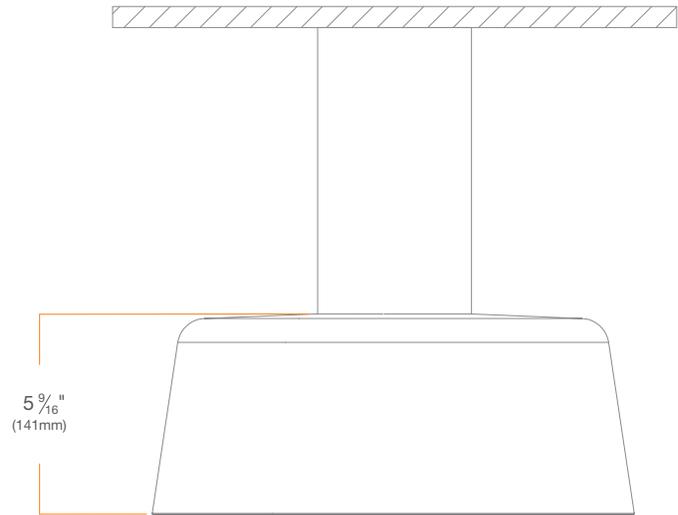
CYLINDER ACCESSORY DIMENSIONS

Junction Box Cover
DCCX-J

2 ⅝ "
(67mm)

ø6 "
(152mm)
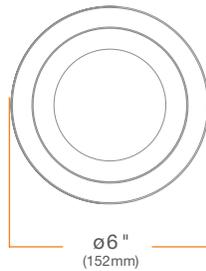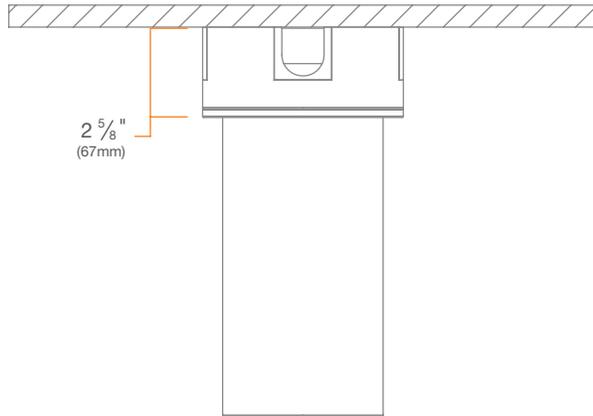
CYLINDER ACCESSORY DIMENSIONS

Emergency Lighting Kit
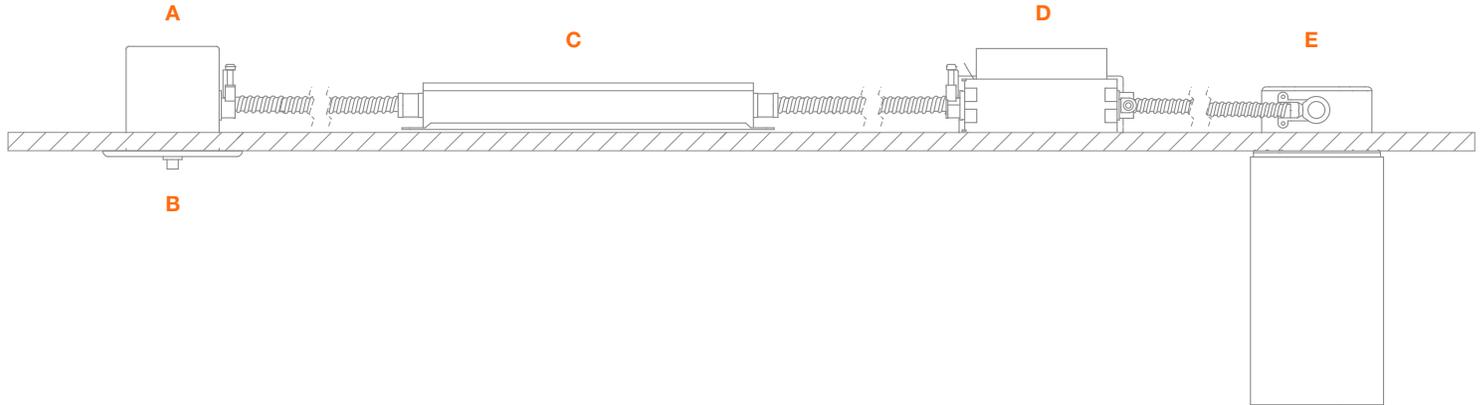
	ITEM	LENGTH	WIDTH	HEIGHT
A	Junction Box (not included)	N/A	N/A	N/A
B	Remote Test Switch	4 ½" [114 mm]	2 ¾" [70 mm]	⁹⁄₁₆" [15 mm]
C	Emergency LED Driver (Battery)	10 ⅝" [271 mm]	2 ⁵⁄₁₆" [58 mm]	1 ½" [38 mm]
D	Cylinder Driver	4 ¹⁵⁄₁₆" [126 mm]	3 ⅜" [85 mm]	2 ¹¹⁄₁₆" [68 mm]
E	Junction Box (not included)	N/A	N/A	N/A

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PHOTOMETRY

DC4xxxxx04GA00000TFxxxxxR

Photometric Distribution

cd ── C0 - C180 ── C90 - C270 450 lm
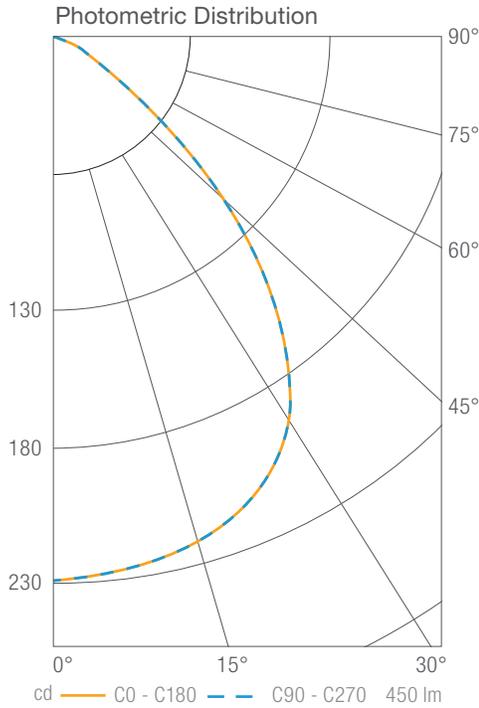
Luminous Intensity

Gamma	C 0°
0°	292
5°	290
10°	285
15°	275
20°	258
25°	232
30°	198
35°	155
40°	113
45°	82
50°	63
55°	46
60°	31
65°	19
70°	13
75°	9
80°	5
85°	2
90°	0

Values in candela

BUG Classification
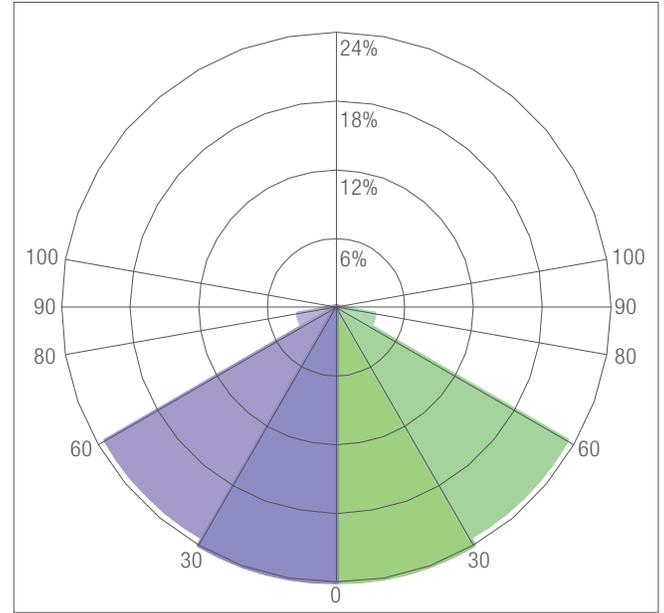
Percent Luminaire Lumens
Front Low: 23.6%, Medium: 22.8%, High: 3.3%, Very High: 0.3%
Back Low: 23.6%, Medium: 22.8%, High: 3.3%, Very High: 0.3%
Uplight Low: 0.0%, High: 0.0%

Spectrum