

3" Cylinder

Coastal IP65/Marine Grade

Project:	Type:
Product Code:	Date:

V072825



Surface/Pendant/Wall Mount

- Designed with an IP65 rating and Marine Grade Powder Coat Finish to withstand harsh coastal environments
- Powered by DMF's advanced LED downlight technology
- Die-cast aluminum with no visible hardware for a sleek, symmetrical design

CYLINDER

Mount

Surface, Pendant (Cord/Stem), Wall

Size

Diameter: 3.5"
Height: 6.5", 9"

Canopy

Standard, Flangeless

Trims

Standard

Finish

Marine Grade White, Marine Grade Black

LIGHT OUTPUT & DISTRIBUTION

Lumens (Power)

750 lm (9.5W), 1000 lm (12.5W),
1250 lm (14.3W), 1500 lm (14.3W)

Color Quality

93 CRI, 2- step SDCM

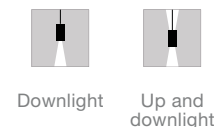
Color Temperature

2700K 3000K 3500K
4000K Warm Dim (3000K–1800K)

Beam Spread

20° Narrow Spot 30° Spot
40° Flood 50° Wide Flood

Lighting Type



POWER & CONTROLS

Input Voltage

120 / 277V

Dimming

0-10V (120/277V): 1%
TRIAC/ELV (120V): 1%

RATINGS & CERTIFICATIONS

- Wet Location / IP65 Rated
- RoHS Compliant
- DarkSky Approved (Downlight with CCT less than or equal to 3000K)
- Dark Sky Sea Turtle Sensitive Approved (with 300lm, TF Amber LED)

WARRANTY

5 year limited warranty; 50,000 hours



Declare.



DARKSKY APPROVED
Photoclight pollution
Certified by DarkSky.org



PRODUCT BUILDER

EXAMPLE: **3CCSR6SD07NS000027MW000S**

CYLINDER	3CC	3CC	3" Coastal Cylinder										
MOUNTING		S	Surface ¹		P	Pendant ²		W	Wall ³				
SHAPE	R	R	Round										
SIZE		6	6.5 Inch		9	9 Inch							
CANOPY/BRACKET		S	Standard (Surface)		F	Flangeless (Surface) ⁴		W	Std/Wet (Wall)				
		C2S	24" Cord (Pendant)		C4S	48" Cord (Pendant)		CCS	Custom Cord (Pendant) ⁵				
		S2S	24" Stem (Pendant)		S4S	48" Stem (Pendant)		SCS	Custom Stem (Pendant) ⁵				
LIGHT OPTIONS	D	D	Downlight										
LUMENS DOWN		03	300 lm ⁶		07	750 lm		10	1000 lm				
		12	1250 lm		15	1500 lm							
BEAM SPREAD DOWN		NS	Narrow Spot (20°) ⁷		SP	Spot (30°)		FL	Flood (40°)		WF	Wide Flood (50°)	
LUMENS UP ³		00	None		03	300 lm ⁹		07	750 lm				
		10	1000 lm		12	1250 lm		15	1500 lm				
BEAM SPREAD UP ³		00	None		NS	Narrow Spot (20°) ⁷		SP	Spot (30°)				
		FL	Flood (40°)		WF	Wide Flood (50°)							
CCT		27	2700K		30	3000K		35	3500K				
		40	4000K		3W	Warm Dim ⁷ (3000K-1800K)		TF	Turtle Friendly ⁶				
FINISH		MW	Marine Grade White 		MB	Marine Grade Black 							
DIMMING		O00	0-10V		T00	TRIAC/ELV 1%							
TRIM	S	S	Standard										

¹ Only available with surface mount Canopy/Bracket options: (S) Standard or (F) Flangeless
² Only available with pendant mount Canopy/Bracket options: (CxxS) Cord or (SxxS) Stem
³ Only available with wall Canopy/Bracket option: (W) Std/Wet
⁴ 3" Round junction box extension required for installation, reference detail on page 4
⁵ Custom Length must be specified on PO. Minimum Length 3", Maximum Length 156" (Cord), 96" (Stem)
⁶ Turtle Friendly (300lm) only available in 300lm lumens down, TF CCT and 0-10V dimming
⁷ Warm Dim is only available in 1000lm and not compatible with Narrow Spot Optic



SUMMARY

	STATIC CCT	WARM DIM	TURTLE FRIENDLY
CCT	2700K, 3000K, 3500K, 4000K	3000K - 1800K	Amber LED > 560 nm
LUMENS (POWER)	750 lm (9.5W), 1000 lm (12.5W), 1250 lm (14.3W), 1500lm (14.3W)	1000 lm (12.5W)	300 lm (7.7W)
EFFICACY	79 lm/W, 80 lm/W, 87 lm/W, 105 lm/W	80 lm/W	39 lm/W
COLOR QUALITY	93 CRI ¹ , 2-step SDCM	93 CRI ¹ , 3-step SDCM	N/A
BEAM SPREAD	Narrow Spot (20°), Spot (30°), Flood (40°), Wide Flood (50°)	Spot (30°), Flood (40°), Wide Flood (50°)	Narrow Spot (20°), Spot (30°), Flood (40°), Wide Flood (50°)
DIMMING	0-10V (120/277V): 1% TRIAC/ELV (120V): 1%	0-10V (120/277V): 1% TRIAC/ELV (120V): 1%	0-10V (120/277V): 1%
LED CHIP	Cree	Bridgelux	Cree Amber LED
LISTINGS	ENERGY STAR [®] qualified ² , California Title 24 2019 JA8 compliant, UL Listed for Wet Location, UL Certified US-CA, Declare, RoHS compliant, Dark Sky Approved ³ , Compliant to FWC Sea Turtle Lighting Guidelines, DarkSky Approved Sea Turtle Sensitive Luminaires, IP65 Rated, Marine Grade Finish		

¹ Tested in accordance to IESNA LM-79-2008

² Refer to ENERGY STAR Certified light fixtures database, Turtle Safe Not Compliant

³ Dark Sky approved is only applicable to CCT Options less than or equal to 3000K

ADDITIONAL

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

MAX INPUT CURRENT (120V): 0.11 amps

MAX INPUT CURRENT (277V): 0.05 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; 50,000 hours at 70% lumen maintenance

CYLINDER: Extruded aluminum

CYLINDER DIMENSIONS:

Diameter: 3.5"

Height: 6.5", 9"

SUSPENSION: 24" or 48" standard length.

Cord: Custom length must be specified on PO minimum 3" and maximum up to 156". White or black.

Stem: Custom length must be specified on PO minimum 3" and maximum up to 96". Painted steel stem with hanging straight endpoint up to 30° tilt (meets CA IR 16-9)

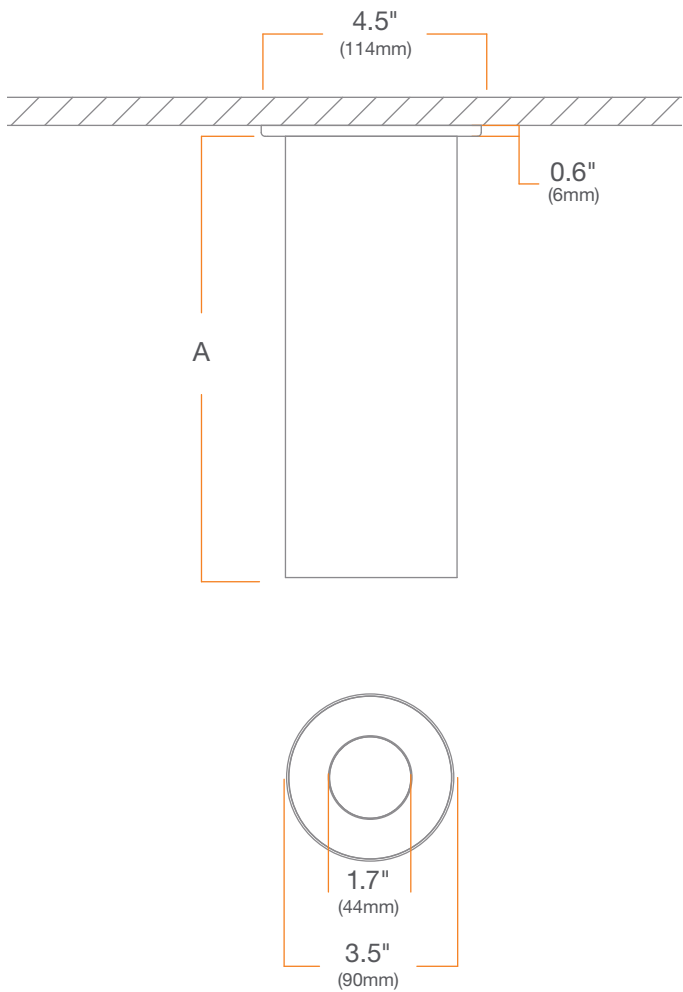
FINISH: Marine Grade White⁴, Marine Grade Black⁴

INSTALLATION: Standard pendant and surface mount canopy compatible with most 3" octagonal, 4" octagonal, 3" round and 4" round boxes. Wet location wall mount: Installs in most two-gang switch boxes, 3" & 4" octagonal and 3" & 4" round boxes. Flangeless surface mount: requires 3" round junction box extension ring. See detail on page 4.

CYLINDER DIMENSION

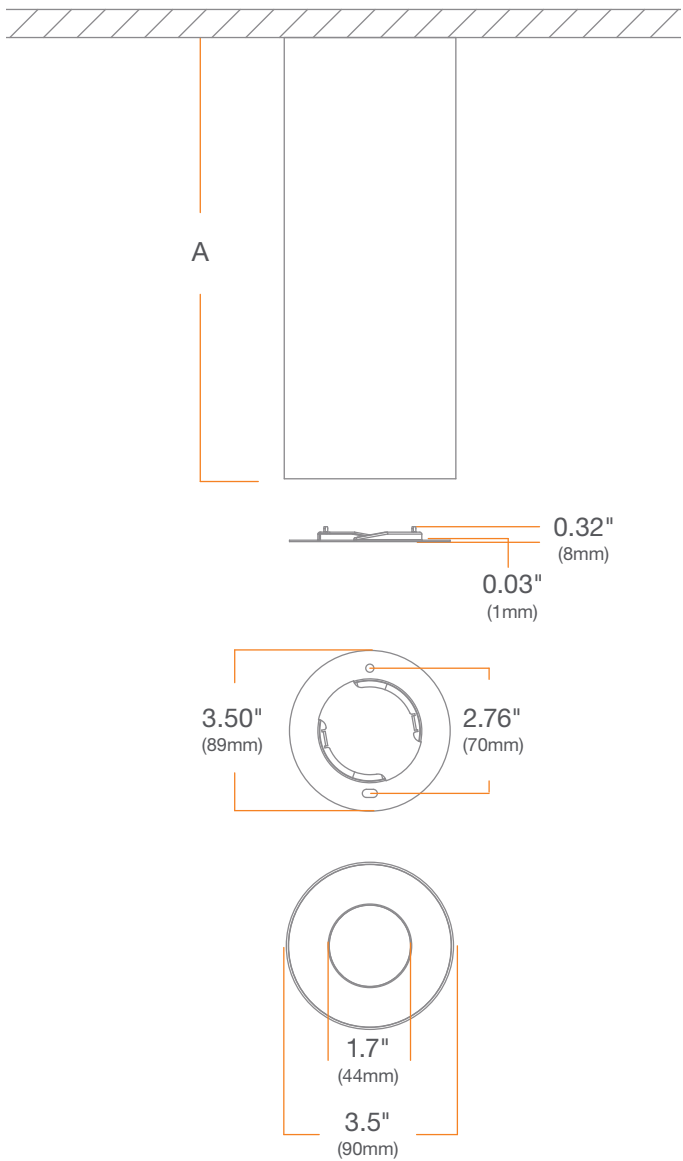
3" Surface Mount, Standard Canopy

3CCS



3" Surface Mount, Flangeless Canopy *

3CCS



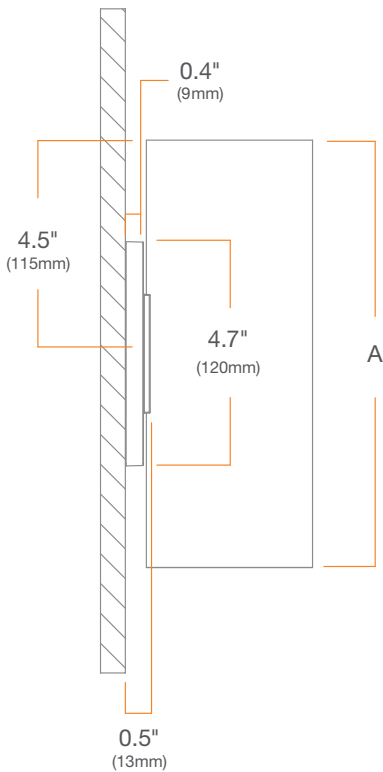
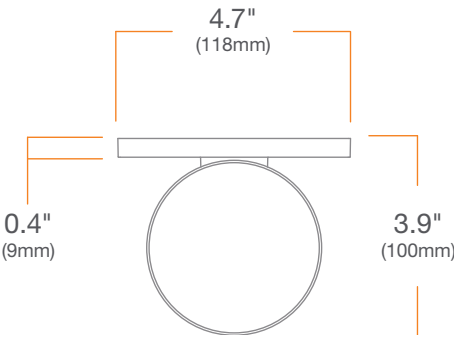
A
6.5" [165 mm]
9" [229 mm]

* Only compatible with 3" Round Junction Box Extension

CYLINDER DIMENSION

3" Wall Mount, Standard Bracket (Wet Location)

3CCW



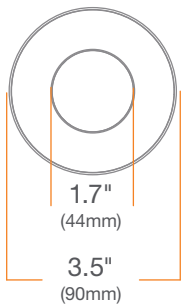
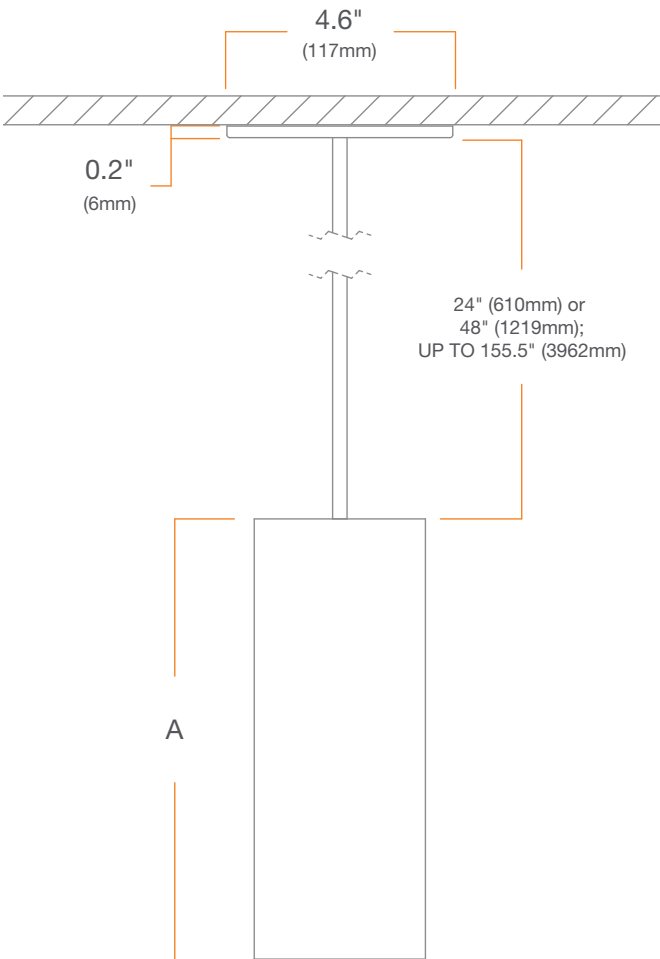
A
6.5" [165 mm]
9" [229 mm]



CYLINDER DIMENSION

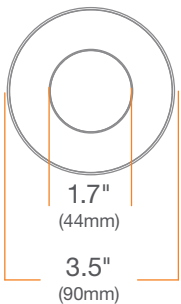
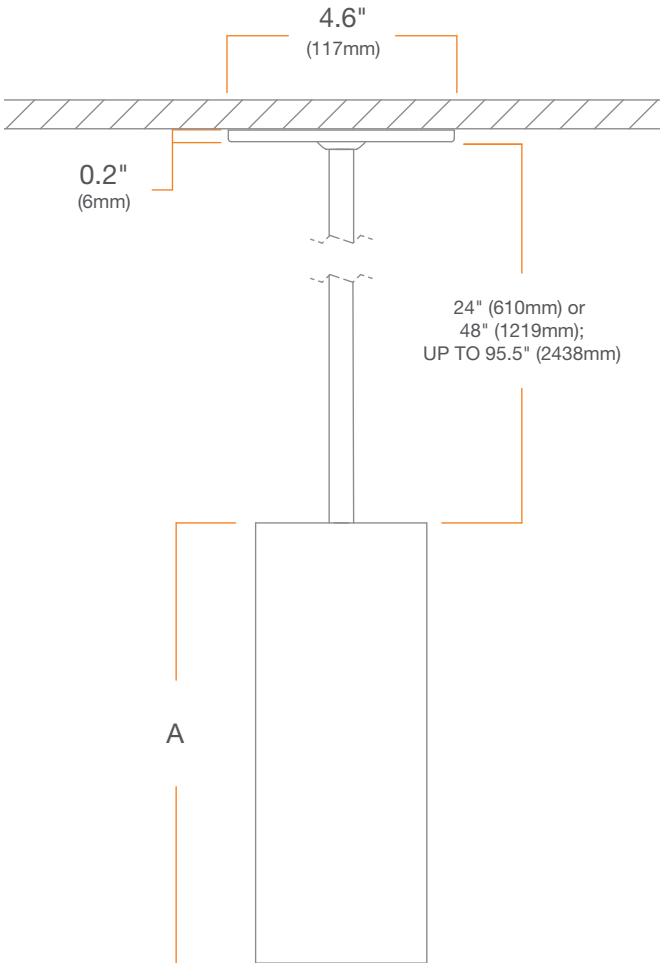
3" Cord Mount

3CCP



3" Stem Mount

3CCP



A

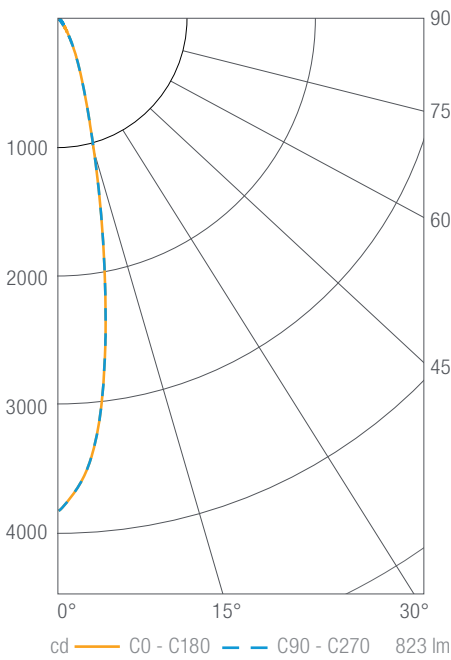
6.5" [165 mm]

9" [229 mm]

PHOTOMETRY

3" Coastal Cylinder 750 lm, 3000K, Narrow Spot

3CCxRxxxxD10NSxxxx30xxxxxS



Luminous Intensity	
Gamma	C 0°
0°	3916
5°	3377
10°	2127
15°	1092
20°	574
25°	336
30°	186
35°	103
40°	62
45°	42
50°	29
55°	21
60°	17
65°	13
70°	10
75°	7
80°	4
85°	2
90°	0

Values in candela

Zonal Lumen Summary

Zone	Lumens	Luminaire %
0-30	704	86
0-40	761	92
0-60	804	98
0-90	823	100
0-180	823	100

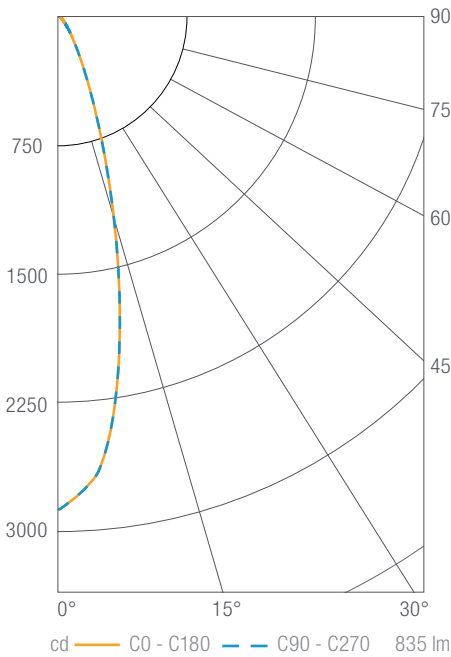
Illuminance Chart

Distance from LED	Foot Candles	Diameter
3'	435	1.1'
6'	109	2.3'
9'	48	3.4'
12'	27	4.5'

Beam Angle: 21°

3" Coastal Cylinder 750 lm, 3000K, Spot

3CCxRxxxxD10NSPxxxx30xxxxxS



Luminous Intensity	
Gamma	C 0°
0°	2848
5°	2649
10°	2003
15°	1237
20°	675
25°	364
30°	203
35°	119
40°	71
45°	45
50°	31
55°	22
60°	18
65°	14
70°	10
75°	7
80°	5
85°	2
90°	1

Values in candela

Zonal Lumen Summary

Zone	Lumens	Luminaire %
0-30	701	84
0-40	768	92
0-60	815	98
0-90	835	100
0-180	835	100

Illuminance Chart

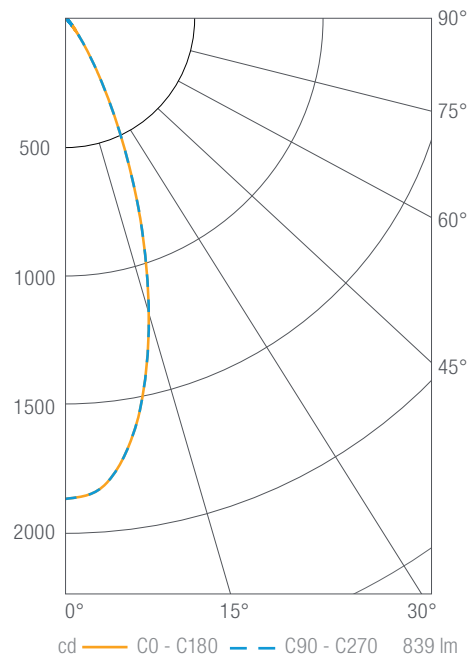
Distance from LED	Foot Candles	Diameter
3'	317	1.5'
6'	79.1	2.9'
9'	35.2	4.4'
12'	19.8	5.9'

Beam Angle: 28°

PHOTOMETRY

3" Coastal Cylinder 750 lm, 3000K, Flood

3CCxRxxxxD10FLxxxx30xxxxxS



Luminous Intensity

Gamma	C 0°
0°	1831
5°	1786
10°	1578
15°	1239
20°	858
25°	516
30°	276
35°	142
40°	77
45°	46
50°	29
55°	19
60°	15
65°	12
70°	9
75°	6
80°	4
85°	2
90°	1

Values in candela

Zonal Lumen Summary

Zone	Lumens	Luminaire %
0-30	688	82
0-40	773	92
0-60	821	98
0-90	839	100
0-180	839	100

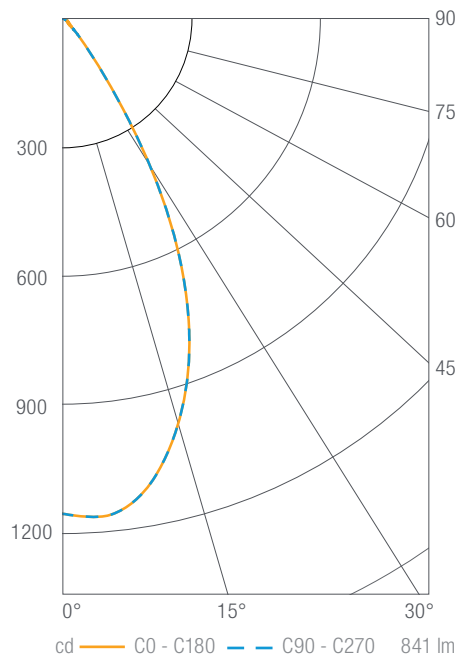
Illuminance Chart

Distance from LED	Foot Candles	Diameter
3'	204	2.1'
6'	51	4.2'
9'	23	6.3'
12'	13	8.4'

Beam Angle: 39°

3" Coastal Cylinder 750 lm, 3000K, Wide Flood

3CCxRxxxxD10WFxxxx30xxxxxS



Luminous Intensity

Gamma	C 0°
0°	1158
5°	1167
10°	1120
15°	1017
20°	872
25°	681
30°	449
35°	221
40°	97
45°	48
50°	28
55°	21
60°	17
65°	14
70°	11
75°	8
80°	5
85°	2
90°	0

Values in candela

Zonal Lumen Summary

Zone	Lumens	Luminaire %
0-30	645	77
0-40	770	92
0-60	820	98
0-90	841	100
0-180	841	100

Illuminance Chart

Distance from LED	Foot Candles	Diameter
3'	129	3.1'
6'	32.2	6.2'
9'	14.3	9.2'
12'	8	12.3'

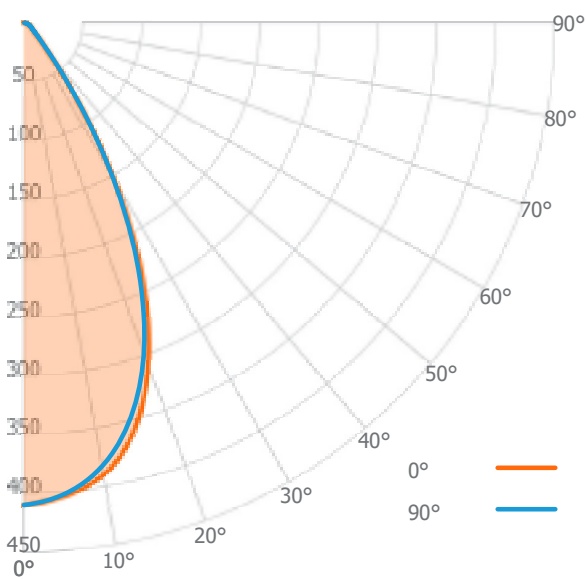
Beam Angle: 54°

PHOTOMETRY

3" Coastal Cylinder 300 lm, Turtle & Wildlife Friendly, Wide Flood 300lm, Turtle Friendly

3CCxRxxD03xx0TFxxO00x

Candela Distribution



Luminous Intensity

	0°
0°	410
5°	404
10°	390
15°	360
20°	309
25°	238
30°	153
35°	77
40°	34
45°	18
50°	11
55°	8
60°	7
65°	6
70°	4
75°	3
80°	2
85°	1
90°	0

Zonal Lumen Summary

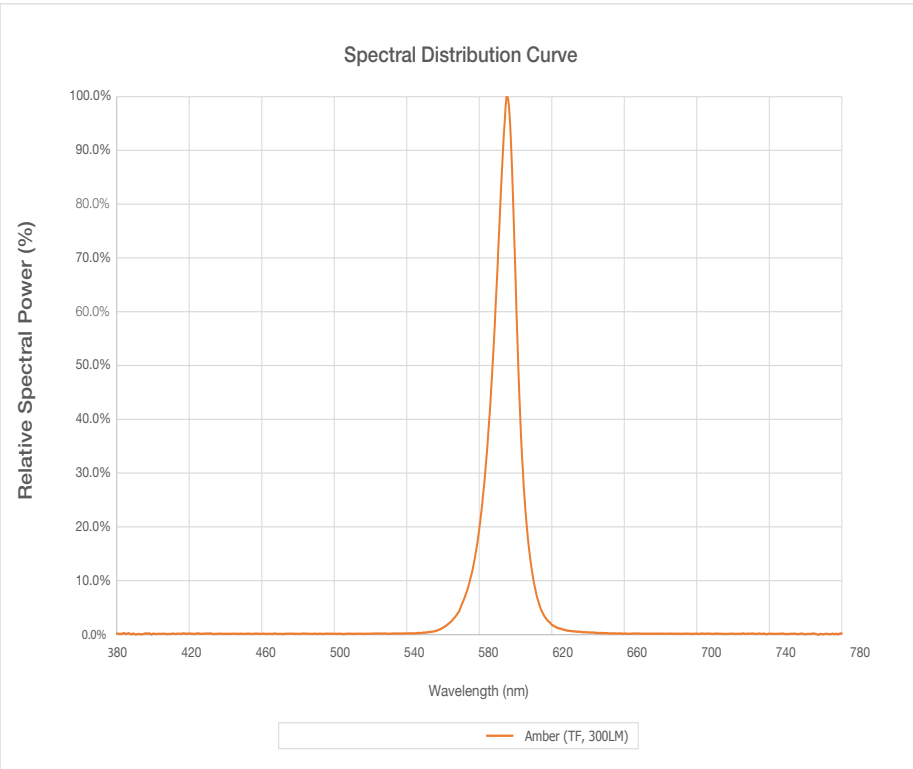
Zone	Lumens	Luminaire %
0° - 30°	243	75%
0° - 40°	293	90%
0° - 60°	316	97%
0° - 90°	325	100%
0° - 180°	325	100%

Illuminance Chart

Distance from LED	Foot Candles	Diameter
3 ft	45.6 fc	3.1 ft
6 ft	11.4 fc	6.1 ft
9 ft	5.1 fc	9.2 ft
12 ft	2.8 fc	12.2 ft

Input Watts: 7.7 W
Lumens: 325 lm
Efficacy: 42 lm/W
Beam Angle: 54° x 53°

Spectrum



BUG Classification

