

4" Cylinder

Coastal IP65/Marine Grade

Project:	Type:
Product Code:	Date:

V072925



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 (Stem), Wall

Size

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

Stem/Cord Length

Standard: 24" or 48"
Custom: Up to 96"

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),
2000 lm (24.5W)

Color Quality

93 CRI, 2-step SDCM

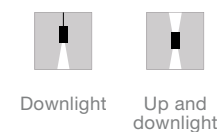
Color Temperature

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

Beam Spread



Lighting Type



POWER & CONTROLS

Input Voltage

120 / 277V

Dimming

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

RATINGS

- 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



PRODUCT BUILDER

EXAMPLE: 4CCSR04SD07GA000030MWO00S

CYLINDER	4CC	4CC	4" Coastal Cylinder							
MOUNTING		S	Surface ¹		P	Pendant ²		W	Wall ³	
SHAPE	R	R	Round							
SIZE		04	4 Inch <i>1500 lm Max</i>		08	8 Inch <i>2000 lm Max</i>		12	12 Inch <i>2000 lm Max</i>	
CANOPY/BRACKET		S	Standard (Surface)		W	Std/Wet (Wall)				
		S2S	24" Stem (Pendant)		S4S	48" Stem (Pendant)		SCS	Custom Stem (Pendant) ⁵	
LIGHT OPTIONS	D	D	Fixed							
LUMENS DOWN		03	300 lm ⁴		07	750 lm		10	1000 lm	
		12	1250 lm		15	1500 lm		20	2000 lm ⁵	
BEAM SPREAD DOWN		GA	General Ambient (90°+)		NS	Narrow Spot (15°) ⁶		SP	Spot (25°)	
		FL	Flood (40°)		WF	Wide Flood (60°)				
LUMENS UP ^{2,3,7}		00	None		07	750 lm		10	1000 lm	
		12	1250 lm							
BEAM SPREAD UP ^{2,3,7}		00	None		GA	General Ambient (90°+)		NS	Narrow Spot (15°) ⁶	
		SP	Spot (25°)		FL	Flood (40°)		WF	Wide Flood (60°)	
CCT		27	2700K		30	3000K		35	3500K	
		40	4000K		3W	Warm Dim ⁶ (3000K-1800K)		TF	Turtle & Wildlife Friendly ⁴	
FINISH		MW	Marine Grade White 		MB	Marine Grade Black 				
DIMMING		O00	0-10V (1%)		T00	TRIAC/ELV (1%)				
TRIM	S	S	Standard Trim							

¹ Custom Length must be specified on PO. Minimum Length 3", Maximum Length 96"

² Only available in Medium or Large length

³ Sum of total Lumens cannot be greater than 2000lm for Medium and Large Sizes

⁴ Turtle Friendly (300lm) only available in 300lm lumens down, TF CCT and 0-10V dimming

⁵ Only available in 0-10V

⁶ Warm Dim is only available in 1000lm and not compatible with Narrow Spot Optic

⁷ Only available in Wall Mount Style



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) 2000lm (24.5W)	1000 lm (12.5W)	300 lm (7.7W)
EFFICACY	79 lm/W, 80 lm/W, 87 lm/W, 105 lm/W, 82 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 - 2022 JA8-E Compliant, UL Listed for Wet Location, IP65 rated, UL Certified US-CA, DarkSky Approved ³ , Declare, Dark Sky Approved Sea Turtle Sensitive Luminaires (Option), Compliant with FWC Wildlife Lighting Requirements (option), Marine Grade Finish		

¹ Tested in accordance to IESNA LM-79-2008

² Refer to ENERGY STAR Certified light fixtures database

³ DarkSky Approved only applicable to CCT options less than or equal to 3000K

ADDITIONAL

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

MAX INPUT CURRENT (120V): 0.10 amps

MAX INPUT CURRENT (277V): 0.04 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: 4"

Height: 4", 8", 12"

SUSPENSION: 24" or 48" standard length. Stem: Custom length up to 96" must be specified on PO and be a minimum of 3". Painted steel stem with hanging straight endpoint up to 30° tilt (meets CA IR 16-9)

FINISH: Marine Grade White, Marine Grade Black

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

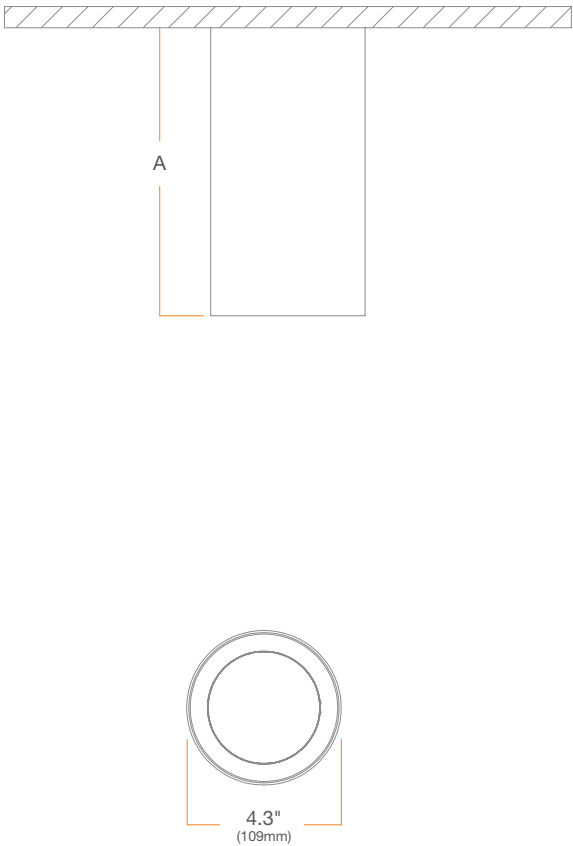
INSTALLATION: Surface, Stem: Installs in most 3" octagonal, 4" octagonal, 3" round and 4" round boxes. Wet Location Wall Mount: Installs in most two-gang switch, 3" octagonal, 4" octagonal, 3" round, 4" round and 4" square boxes.



CYLINDER DIMENSION

Surface Mount

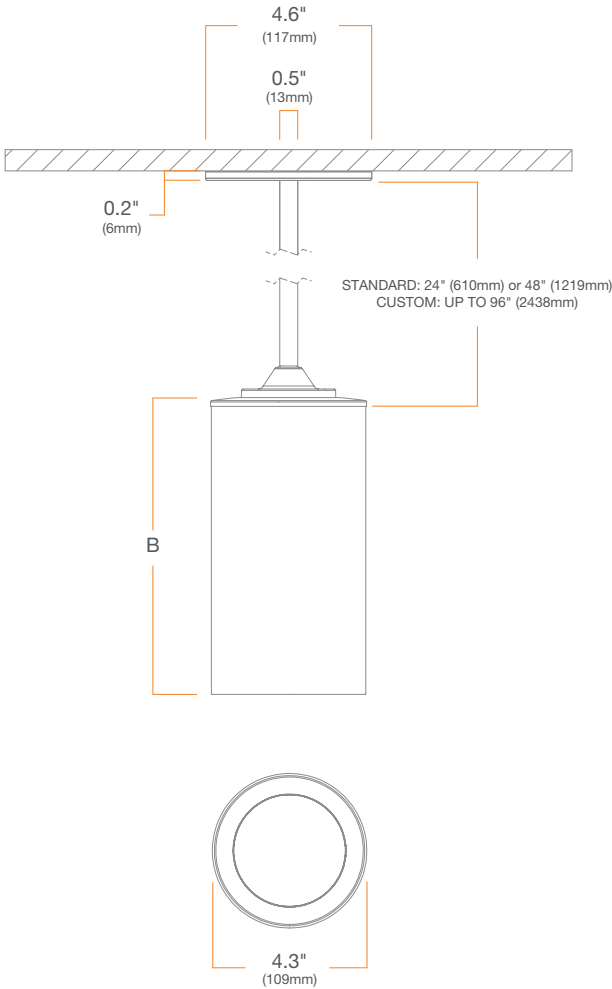
4CCSRxx



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

Stem Mount, Wet Location

4CCPRxx



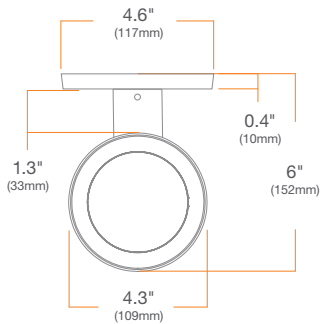
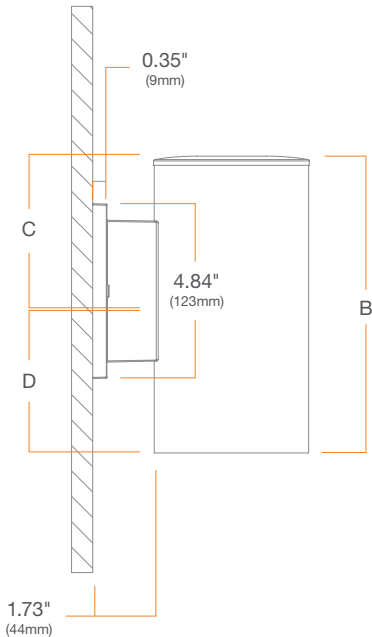
CYLINDER SIZE	B
Small	4 1/4" [108 mm]
Medium	8 1/4" [210 mm]
Large	12 1/4" [311 mm]



CYLINDER DIMENSION

Wall Mount, Wet Location

4CCWRxx

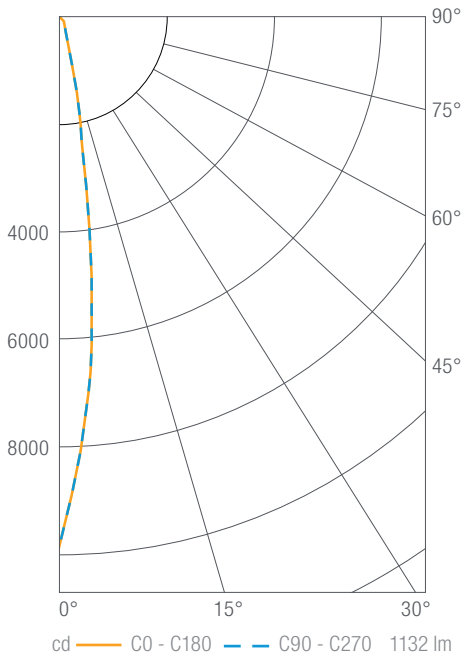


CYLINDER SIZE	B
Medium	8 1/4" [210 mm]
Large	12 1/4" [311 mm]

PHOTOMETRY

4" Coastal Cylinder Fixed, 1000 lm, 3000K, Narrow Spot

4CCxRxxxxSD10NSxxxx30xxxxxR



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

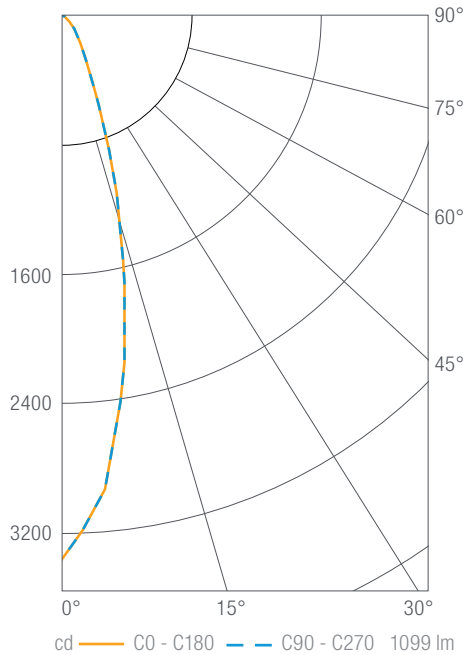
Illuminance Chart

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" Coastal Cylinder Fixed, 1000 lm, 3000K, Spot

4CCxRxxxxSD10SPxxxx30xxxxxR



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

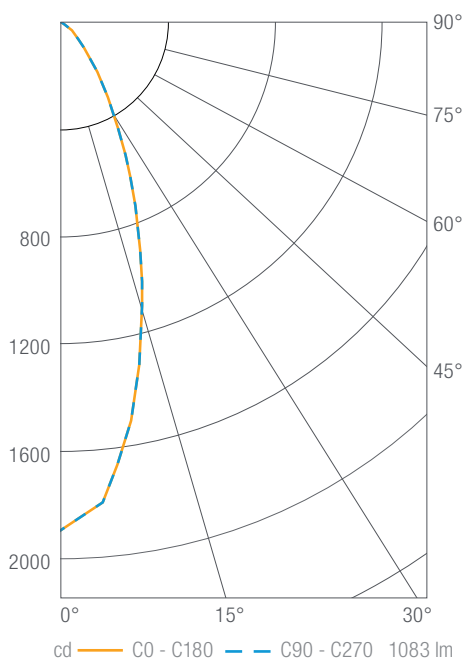
Distance from LED	Foot Candles	Diameter
3'	374	1.4'
6'	93	2.8'
9'	42	4.2'
12'	23	5.6'

Beam Angle: 26°

PHOTOMETRY

4" Coastal Cylinder Fixed, 1000 lm, 3000K, Flood

4CCxRxxxxSD10FLxxxx30xxxxR



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

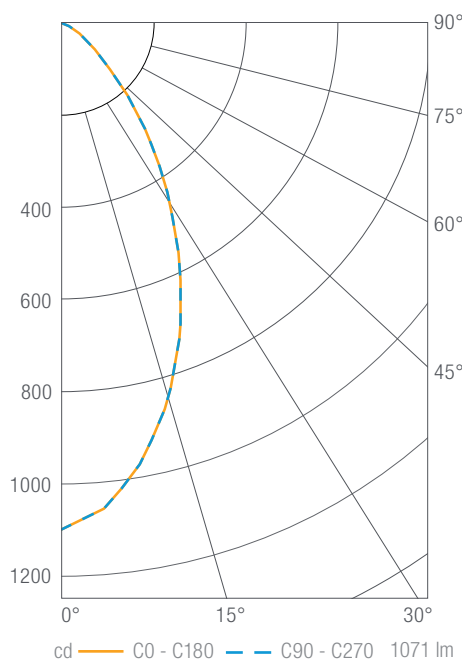
Illuminance Chart

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" Coastal Cylinder Fixed, 1000 lm, 3000K, Wide Flood

4CCxRxxxxSD10WFxxxx30xxxxR



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

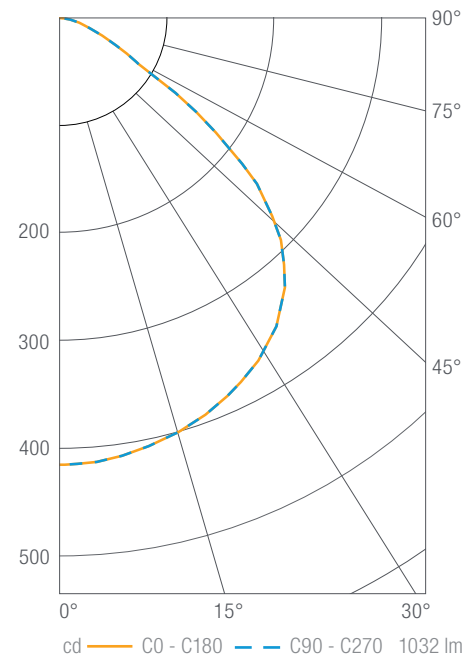
Distance from LED	Foot Candles	Diameter
3'	122	3.1'
6'	31	6.2'
9'	14	9.3'
12'	8	12.3'

Beam Angle: 55°

PHOTOMETRY

4" Coastal Cylinder Fixed, 1000 lm, 3000K, General Ambient

4CCxRxxxxSD10GAxxxx30xxxxxR



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

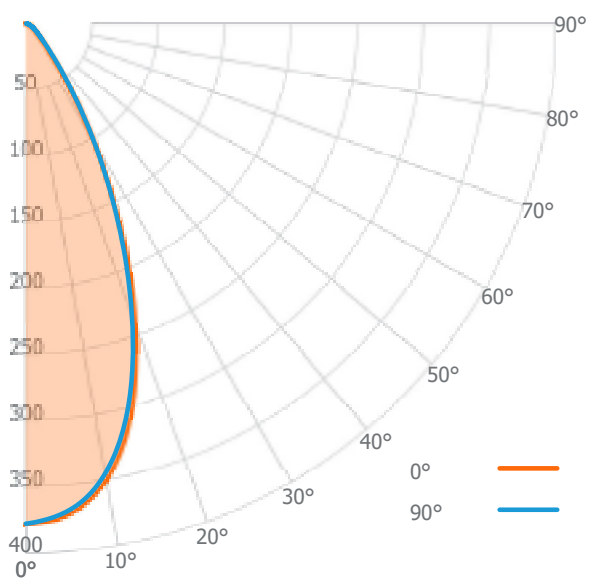
Distance from LED	Foot Candles	Diameter
3'	46	7.8'
6'	12	15.5'
9'	5	23.3'
12'	3	31.1'

Beam Angle: 100°

PRODUCT SUMMARY

4" Coastal Cylinder Turtle & Wildlife Friendly, 300 lm, Wide Flood
4CCRxxxxSD03WF0000TFxxxR

Candela Distribution



Luminous Intensity

	0°
0°	378
5°	372
10°	350
15°	306
20°	242
25°	169
30°	103
35°	55
40°	29
45°	16
50°	11
55°	8
60°	6
65°	4
70°	2
75°	1
80°	1
85°	0
90°	0

Zonal Lumen Summary

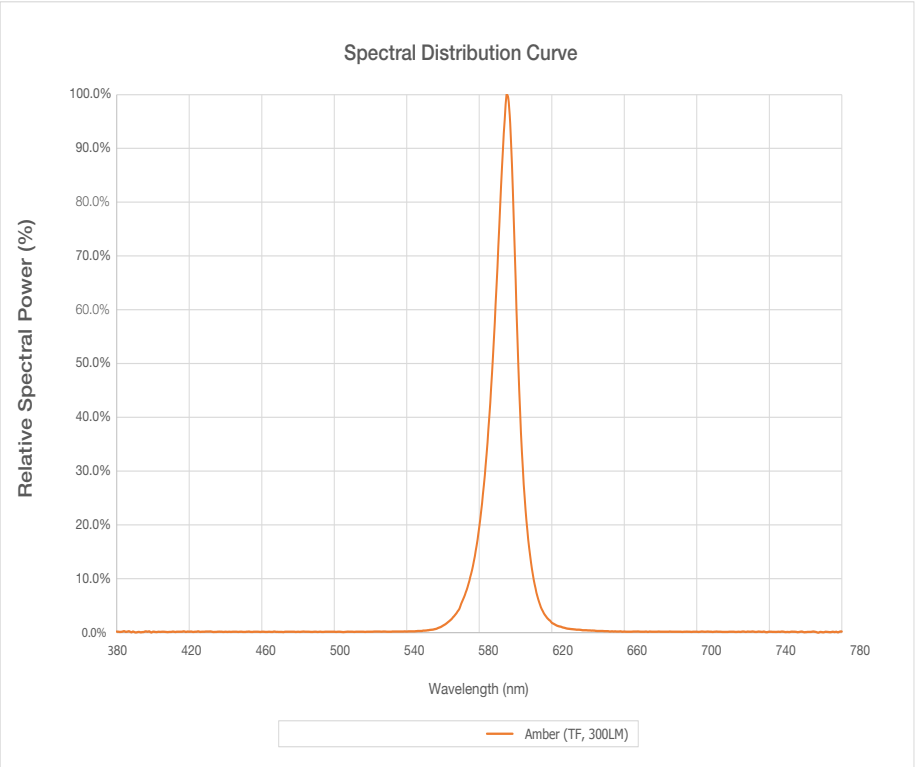
Zone	Lumens	Luminaire %
0° - 30°	194	75%
0° - 40°	231	90%
0° - 60°	252	98%
0° - 90°	258	100%
0° - 180°	258	100%

Illuminance Chart

Distance from LED	Foot Candles	Diameter
3 ft	42.0 fc	2.6 ft
6 ft	10.5 fc	5.2 ft
9 ft	4.7 fc	7.9 ft
12 ft	2.6 fc	10.5 ft

Input Watts: 7.7 W
Lumens: 258 lm
Efficacy: 33.5 lm/W
Beam Angle: 47° x 46°

Spectrum



BUG Classification

