

Radielle Candlestick

Overview

PENDANT



Specifications

LIGHTING LED module with single light emitting source, appropriately thermally managed construction to provide optimal performance. Specifiable in 2700K-4000K in CRI>80 or CRI>90, Color accuracy within 3 SDCM. PoE compatible: integrates with Power over Ethernet lighting systems through standard, low voltage wires. Beam spreads from (20) degree spot to (80) degree wide flood available, achieved with optics that are easily changed in field. Optimized cut-off to light source for glare control and visual comfort. Suitable for Dry or Damp Locations, indoor use only.	MOUNTING Suspended from a PVC-free power cord. The 90D (49L & 61L) configurations utilize high-strength aircraft cable for secure mounting. ELECTRICAL 120-277V constant current, dimming driver standard. Can be wired dimming or non-dimming. 0-10v dimming input with a range of 1%-100%. Dim-to-Off standard. Driver can be accessed from the fixture. Power factor of >.95. Total Harmonic Distortion (THD) of <20%. Emergency battery output: 6 watts for 90 minutes. Compatible with Signify Bodine sinusoidal output emergency lighting inverters. Signify Bodine inverters allow designated lighting fixtures to serve as code compliant emergency lighting sources during failure of normal AC power. For additional information see link: http://www.bodine.com/products/inverter.html
LUMEN MAINTENANCE Reported: L90: >55,000 hours Calculated: L70: >180,000 hours L80: >120,000 hours <i>EPA TM21 calculator derived</i>	CLEANING & CARE Lightly dust with CO2 cansiter or Swifter type duster.
CONSTRUCTION Shade construction PETG. PVC free power cord.	WARRANTY 5 year warranty on all standard components. LED system rated for operation in ambient environments up to 25°C.
PHOTOMETRICS Consult factory or website for IES files for performance light core, tested in accordance with IESNA LM79.	
HARDWARE TGIC-free powder coat. Adjustable hanging height. Made with RoHS compliant parts.	



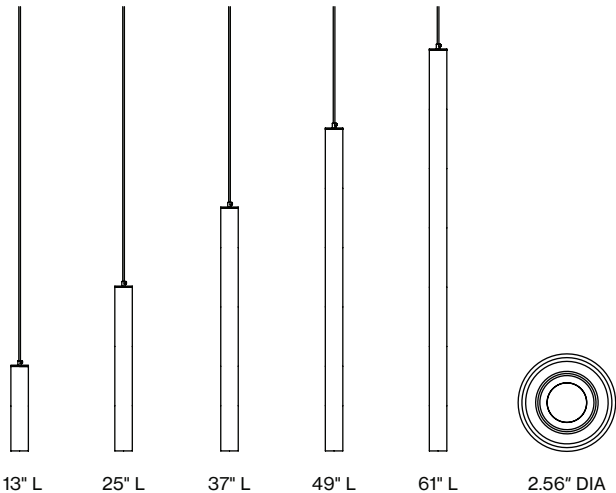
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Fixture Options

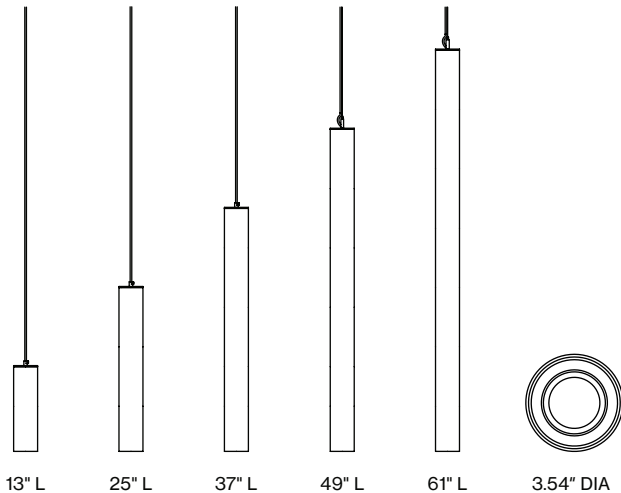
PENDANT

SHAPES & DIMENSIONS

CANDLESTICK 60D

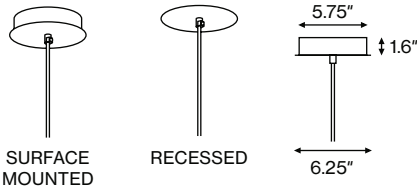


CANDLESTICK 90D

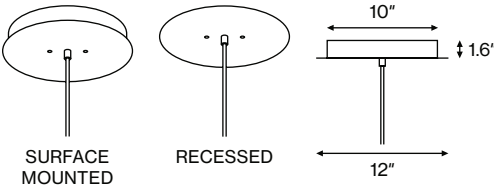


CEILING CONNECTION

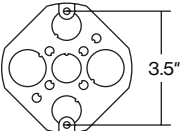
STANDARD CANOPY For recessed canopy, cut 6" dia hole and recess j-box or mounting structure by 1.5"



EM BATTERY OPTION ONLY For recessed canopy, cut 6" dia hole and recess j-box or mounting structure by 1.5"



4" OCTAGONAL JUNCTION BOX (BY OTHERS)



Required for powered units;
optional for unlit units

CANOPY/DRESS PLATE FINISH OPTIONS



SHADE COLOR OPTIONS



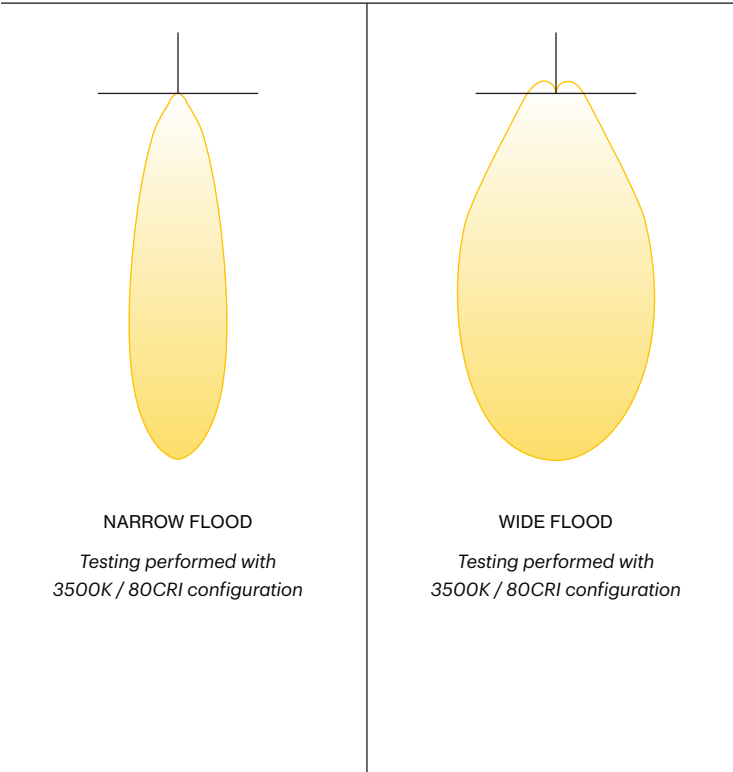
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Lighting Details

PENDANT

LIGHT DISTRIBUTION OPTIONS

Consult factory or lightart.com for IES files, tested in accordance with IESNA LM79



OUTPUT MULTIPLIERS

Based on measurement data

COLOR TEMPERATURE / CRI	MULTIPLIER
2700K / 80	0.93
2700K / 90	0.78
3000K / 80	0.97
3000K / 90	0.81
3500K / 80	1.00
3500K / 90	0.83
4000K / 80	1.01
4000K / 90	0.86
WARM DIM 1830 / 90	0.72

FIXTURE	OPTIC	MULTIPLIER
65D	19°	1.00
	34°	0.94
	43°	0.90
90D	31°	1.00
	43°	0.99
	73°	0.96

OUTPUT MULTIPLIERS INSTRUCTIONS

Adjusted Value = $L_1 \times C_m \times O_m$ where:

L_1 = (Lumen output at 3500K / 80 CRI) ×

C_m = (Color Temp. / CRI Multiplier) ×

O_m = (Optic Multiplier)

Example:

700LM / 3000K / 80CRI / FL Configuration

$(700) \times (0.97) \times (0.94) = 638\text{LM}$

LIGHTING DETAILS CONTINUE TO NEXT PAGE

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Lighting Details

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LIGHTING DETAILS CONTINUED

OPTICAL CHARACTERISTICS

Based on measurement data

65D	BEAM ANGLE	SPACING CRITERION	90D	BEAM ANGLE	SPACING CRITERION
NARROW FLOOD	19°	0.34	NARROW FLOOD	31°	0.52
FLOOD	34°	0.56	FLOOD	43°	0.68
WIDE FLOOD	43°	0.70	WIDE FLOOD	73°	0.90

PERFORMANCE

Based on 3500K / 80CRI / NFL

NOMINAL LUMEN OUTPUT	DELIVERED LUMENS	INPUT POWER (W)	EFFICACY (LM/W)	POE COMPATIBILITY	OUTPUT/LED DRAW WATTAGE (FOR USE W/POE)
700	718	8.60	83	POE & POE+	7.30
900	887	8.00	111	POE & POE+	6.80
1000	1044	9.50	110	POE & POE+	8.10
1500	1524	14.60	104	POE & POE+	12.40

SPECIFICATION CODE

Example: 2 QTY COL-RAD-CAND-65D-23LC1-HAR-927CK-850LM-NFL-LV01-STD-WPC-WH

COL-RAD-CAND-

1

2

3

4

5

6

7

8

9

10

QTY.

Complete form to order Radielle Candlestick Pendant fixture(s). For each number, make one selection and enter in the corresponding box above.
*Indicates modified choices; additional lead times and/or costs may apply.

1

SIZE

65D

CANDLESTICK 65
2.6" (65mm) diameter

90D

CANDLESTICK 90
3.5" (90mm) diameter

2

LENGTH

13L

13 INCH

25L

25 INCH

37L

37 INCH

49L

49 INCH

61L

61 INCH

3

MATERIAL

OBS

OBSIDIAN

SLA

SLATE

PEW

PEWTER

MBL

MIDNIGHT BLUE

SPR

SPRUCE

RUS

RUST

CRI

CRIMSON

ABL

ARCTIC BLUE

ESP

ESPRESSO

MOC

MOCHA

SAN

SAND

SUE

SUEDE

HAR

HARVEST

PAR

PARCHMENT

BON

BONE

4

LED CRI/CCT

827CK

80 CRI / 2700K

830CK

80 CRI / 3000K

835CK

80 CRI / 3500K

840CK

80 CRI / 4000K

927CK

90 CRI / 2700K

930CK

90 CRI / 3000K

935CK

90 CRI / 3500K

1830W

WARM DIMMING 90 CRI
3000K to 1800K Dimming Range

5

NOMINAL DELIVERED LUMENS

Only available in style 65D

700LM

700 LUMEN

Only available in style 90D

900LM

900 LUMEN

1000LM

1000 LUMEN

1500LM

1500 LUMEN
Warm Dim only available in 1500LM

6

BEAM SPREAD

NFL

NARROW FLOOD OPTION (65D 19° | 90D 31°)

FL

FLOOD OPTION (65D 34° | 90D 43°)

WFL

WIDE FLOOD OPTION (65D 43° | 90D 73°)

7

DIMMING AND CONTROLS

LV01

0-10V – 1% DIMMING 120 & 277V

LT02

LEADING/TRAILING/TRIAC – 5% DIMMING 120v only

LP01

ELV FORWARD/REVERSE PHASE – 1% DIMMING 120v only

LVP

LOW VOLTAGE POE
No driver provided for POE. Power supply by others.

EBM

0-10V 1% DIMMING INTEGRATED EM BATTERY OPTION
Max Lumen ouput limited—consult LightArt.

8

SUSPENSION

STD

12" – 96"

EXT*

24" – 240"

9

CANOPY OPTIONS

WPC

WHITE

BPC

BLACK

10

POWER CORD

WH

WHITE

BK

BLACK

*Indicates modified choices; additional lead times and/or costs may apply.

align

Declare.

Red List Free Ingredients

MADE IN USA WITH GLOBAL AND DOMESTIC PRODUCTS

1747

POE