



## C70-220 SURFACE MOUNTED CYLINDERS

With a 2.75" aperture and excellent visual cutoff, Lumenture's C70 220mm Cylinders blend discreetly into any environment. These fixtures deliver high lumens without glare. The result is superior brightness and quality from an unobtrusive fixture. These Cylinders are available both in micro canopy, slim canopy, and standard canopy surface mount options.

TYPE: \_\_\_\_\_

PROJECT: \_\_\_\_\_



### DIMMING

Triac, ELV, 0-10V,  
DALI & LEDcode



### WEIGHT

11 oz.



### WATTAGE

6W-26W



### EFFICACY

up to 2200lm  
up to 90lm/W



### AC DRIVER INPUT

120-277V



### FINISH

Aluminum module &  
trim, Powdercoat



### ACCESSORIES

Field replaceable  
optics & accessories

### LISTINGS

Certified to UL standard 1598 and CSA C22.2 No. 9.0 for damp locations



### MOUNTING OPTIONS

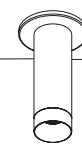
#### SMMC

Surface Mount  
Micro Canopy



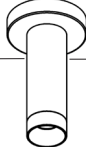
#### SMSC

Surface Mount  
Slim Canopy



#### SMTC

Surface Mount  
Standard Canopy



### FINISH OPTIONS

White, Black, Silver, Custom



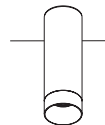
### BEAM SPREADS



15° 25° 40° 60°

### FIXTURE LENGTH

Available in 220mm (8 5/8")



C70-220 | Surface Mounted Slim Canopy | Ordering

PRODUCT #

C70

1220

2

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12

ORDERING EXAMPLE: C70 - 220 - 22H - 15 - W - SNC - W - X - X - U - 150 - SMMC - W

[1] FIXTURE LENGTH

☐ 220 220mm Length Surface Mounted Cylinders

[2] CCT/CRI <sup>1</sup>

- ☐ 22H 2200K, CRI 90+
- ☐ 27H 2700K, CRI 90+
- ☐ 30H 3000K, CRI 90+
- ☐ 30B 3000K, CRI 95+
- ☐ 30D 3000K, CRI 90+ (Dim-to-Warm) <sup>2</sup>
- ☐ 35H 3500K, CRI 90+
- ☐ 40H 4000K, CRI 90+

[3] BEAM SPREAD <sup>1</sup>

- ☐ 15 15° <sup>3</sup>
- ☐ 25 25°
- ☐ 40 40°
- ☐ 60 60°

[4] CYLINDER FINISH <sup>1</sup>

- ☐ W White
- ☐ B Black
- ☐ S Silver

[5] BEZEL TYPE

- ☐ SNC Cylinder Snoot
- ☐ DR Decorative Ring <sup>4</sup>

[5] BEZEL FINISH <sup>1</sup>

- ☐ W White
- ☐ WB White Exterior / Black Interior
- ☐ B Black
- ☐ S Silver
- ☐ SB Silver Exterior / Black Interior
- ☐ FR Frosted

[7] COLORED LENS ACCESSORIES <sup>5</sup>

- ☐ BL Lens Blue
- ☐ GR Lens Green
- ☐ RE Lens Red
- ☐ RO Lens Rose
- ☐ YE Lens Yellow
- ☐ X None

[8] LENS ACCESSORIES <sup>5</sup>

- ☐ HL Black Honeycomb Louver
- ☐ LS Linear Spread
- ☐ SOL Solite Lens
- ☐ X None

[9] DRIVER <sup>6</sup>

- ☐ U Universal Dimming Driver (Triac, ELV & 0-10V)
- ☐ D1 EldoLED DALI/LEDcode (0.1% dimming)
- ☐ Z1 EldoLED 0-10V (0.1% dimming)

[10] OUTPUT (MA) <sup>1</sup>

- ☐ 150 6W, 500lm
- ☐ 200 8W, 750lm
- ☐ 250 10W, 900lm
- ☐ 300 12.5W, 1100lm
- ☐ 350 14.5W, 1250lm
- ☐ 400 16.5W, 1400lm
- ☐ 450 19W, 1600lm <sup>7</sup>
- ☐ 500 21W, 1750lm <sup>7</sup>
- ☐ 600 26W, 2100lm <sup>7</sup>

[11] MOUNTING

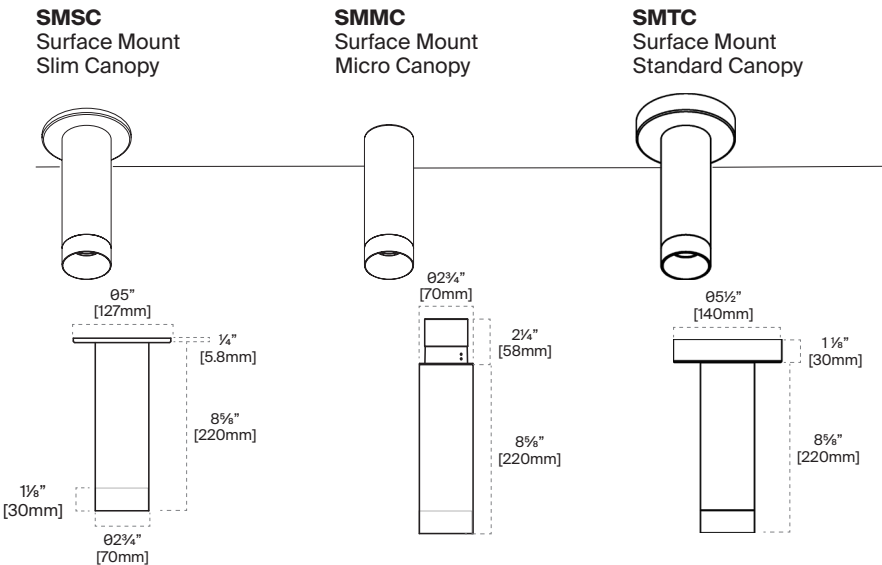
- ☐ SMMC Surface Mount Micro Canopy <sup>8</sup>
- ☐ SMSC Surface Mount Slim Canopy <sup>9</sup>
- ☐ SMTC Surface Mount Standard Canopy <sup>7,9</sup>

[12] SURFACE MOUNT HARDWARE COLOR <sup>10</sup>

- ☐ W White
- ☐ B Black
- ☐ S Silver

NOTES

1. Custom options available. Please consult factory.
2. Dim-to-Warm range is from 3000K to 1800K.  
Dim-to-Warm option is only available at 350mA and 400mA.
3. Maximum current for 15° beam spread option is 400mA.
4. Decorative glow ring replaces the Bezel. Specify finish as FR (frosted).
5. A maximum of two optional lens accessories can be installed together (1 Colored Lens and 1 Lens Accessory).
6. Emergency Lighting Inverters available. See page (4) for more information.
7. Current settings over 400mA require Surface Mount Standard Canopy (SMTC) option.
8. Cutout dimensions are 02.5 inches. Maximum ceiling thickness is ¾" for Micro Canopy Mounting. Please consult factory for thicker ceilings.
9. Mounts to standard 4" junction box.
10. Micro Canopy color should be the same as cylinder finish.



# C70-220 SURFACE MOUNTED CYLINDERS

## PHOTOMETRICS

### LUMEN OUTPUT

Values fluctuate based on CCT and CRI. To estimate delivered lumen output of various CCT/CRI options, multiply nominal lumens by the multiplier below.

OUTPUT (mA)	WATTAGE	NOMINAL LUMENS
150	6W	550
200	8W	750
250	10W	900
300	12.5W	1100
350	14.5W	1250
400	16.5W	1400
450	19W	1600
500	21W	1750
600	26W	2100

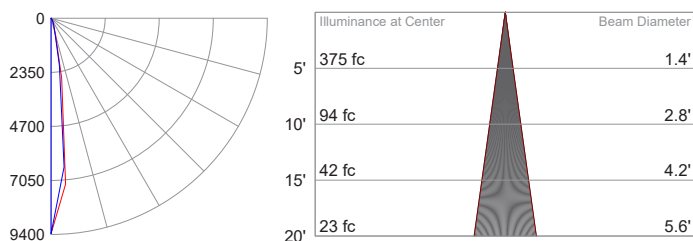
CODE	CCT	CRI	TECHNOLOGY	15°	25°	40°	60°
<b>22H</b>	2200K	90+	Standard	0.65	0.80	0.80	0.70
<b>27H</b>	2700K	90+	Standard	0.75	0.95	0.95	0.85
<b>30H</b>	3000K	90+	Standard	0.80	1.00	1.00	0.90
<b>30B</b>	3000K	95+	Standard	0.70	0.90	0.90	0.80
<b>30D</b>	3000K	90+	Dim-to-Warm	N/A	0.90	0.90	0.80
<b>35H</b>	3500K	90+	Standard	0.85	1.05	1.05	1.05
<b>40H</b>	4000K	90+	Standard	0.85	1.05	1.05	1.05

Luminaire maintains a lumen output tolerance of +/-7.5%

\*\*Dim-to-Warm dims from 3000K to 1800K

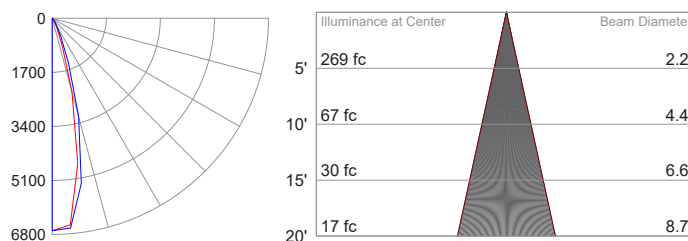
### C70 - 15 Degree

Delivered Light Output: 1102 Lumens  
Total Watts @120V: 17;  
Lumens Per Watt: 65  
Center Beam Candle Power: 9363  
Spacing Criteria: 0.32



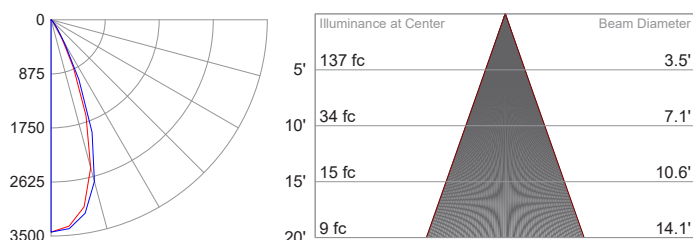
### C70 - 25 Degree

Delivered Light Output: 1527 Lumens  
Total Watts @120V: 17;  
Lumens Per Watt: 90  
Center Beam Candle Power: 6683  
Spacing Criteria: 0.44



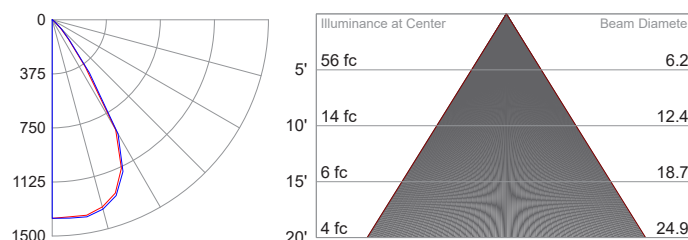
### C70 - 40 Degree

Delivered Light Output: 1542 Lumens  
Total Watts @120V: 17;  
Lumens Per Watt: 91  
Center Beam Candle Power: 3437  
Spacing Criteria: 0.66



### C70 - 60 Degree

Delivered Light Output: 1387 Lumens  
Total Watts @120V: 17;  
Lumens Per Watt: 82  
Center Beam Candle Power: 1377  
Spacing Criteria: 1.06



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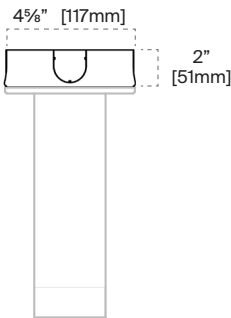
## DIMMING

Dimming is standard and allows for smooth illumination below 1% with certain dimmer/driver combinations. The “U” (Universal) driver dims to 1%, accepts 120-277V AC Input and is compatible with 0-10V, Triac (forward phase) and ELV (reverse phase) dimmers. Triac and ELV dimming only available at 120V AC. The “Z1” (0-10V) driver dims to 0.1%, accepts 120-277V AC Input and is compatible with 0-10V dimmers. The “D1” (DALI) driver dims to 0.1%, accepts 120-277V AC Input and is compatible with DALI and DALI 2 dimmers. For dimmer compatibility, refer to the Dimming Compatibility document on our website.

## ACCESSORIES

### JA-18-[Finish]-Cover (Deep Canopy Collar)









The JA-18 Cover helps shield unsightly surface mount J-Boxes and blends seamlessly with the Standard or Slim Canopy options (sold separately). **Finish:** Black (B), White (W). **Ordering Ex:** JA-18-B-Cover



### C70-DR (Frosted Decorative Glow Ring) Replaces bottom bezel



## LENS ACCESSORIES

-  **BL**  
Light Blue Lens
-  **GR**  
Green Lens
-  **RE**  
Red Lens
-  **RO**  
Rose Lens
-  **YE**  
Yellow Lens
-  **HL**  
Black Honeycomb Louvre
-  **LS**  
Linear Spread
-  **SOL**  
Solite Lens

## EMERGENCY LIGHTING INVERTERS

Small size and versatile mounting is suitable for plenum space mounting in close proximity to the luminaire or for remote mounting up to 300 ft. distance using 18 AWG wire. Further distances are possible with larger gauge wire. Two-wire universal input reduces wiring errors and reduces installation time and complexity.

	ACI-H35-A1	ACI-H100-A1
Output Power:	35 Watts	100 Watts
Emergency Operation:	90 Min	90 Min
Battery Type:	LiFePO4	LiFePO4
Input Voltage:	120-277 Volts	120-277 Volts
Output Voltage:	120-277 Volts	120-277 Volts
Class 2 Output:	n/a	n/a
Diagnostic Type:	Test switch <sup>1</sup>	Test switch <sup>1</sup>
Title-20 Compliant:	Yes	Yes
Life Expectancy:	75k Hours	75k Hours
Dimensions:	20.67" x 2.24" x 2.05"	19.5" x 3.35" x 2.2"
Mounting Type:	In-Line / Remote	In-Line / Remote
Maximum Distance:	300ft (18AWG)	300ft (18AWG)
Weight:	4.85lbs	7.28lbs
Operating Ambient Temp	0-50° C	0-50° C

### NOTE:

1. Test switch wiring can be extended up to 50 feet.