# CELESTE

## 54 - 81.5 W LED DIM TO DARK


5 Holt Drive,
Stony Point, NY 10980
845-947-3034
www.tslight.com


The CELESTE is a high-output pendant downlight that is capable of dimming to 0.01%. Designed for theatres, churches, and arenas, it features a wide range of dimming capabilities ranging from mains dimming to DMX/RDM. The stylish extruded aluminum housing is lightweight and extremely durable. The interchangeable reflectors allow for a wide variety of angles. The single, powerful LED array allows for dramatic lighting effects that are unobtainable with many of the multiple-array high output fixtures on the market.

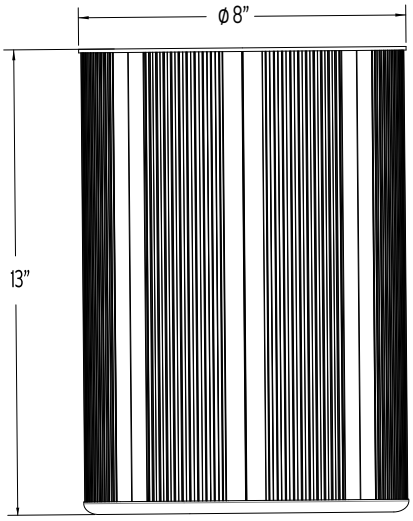
The CELESTE is a fully functional DMX/RDM fixture, with all the advantages and conveniences experienced industry professionals are accustomed to. With DMX/RDM control, you can individually address and dim the fixtures. Dimming is completely flicker-free and safe for video and film applications.

Manufactured in the USA - IBEW

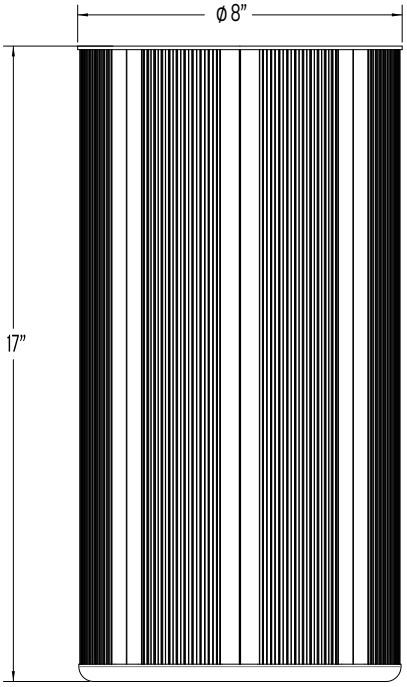
PRODUCT LISTED BY A NATIONALLY RECOGNIZED TESTING LABORATORY

Pb lead-free RoHS 2002/95/EC

CREE




54W and 68W




81W

## Construction

- Extruded aluminium with black, white or silver finish.
- Multiple mounting options
- Internal multiple accessory holder
- Weight: 15 lbs.

## Electrical

- Integral electronic driver
- Meets FCC 47 CFR Part 15/18 Requirements
- 81.5 Watts Max
- Power Input: Universal (120-277V)
- Inquire from factory about Emergency Driver option

## Warranty

- 5-year limited warranty

Maximum ambient temperature: 40ºC
Maximum operating angle: 45º from vertical

** Specification sheets are subject to change without notice.*

## LED

- Dims to 0.01%
- 2700K, 3000K, 3500K, 4000K, 5000K
- CRI: 80 Standard or 92 Optional)
- Beam Angle: 12°, 19°, 33° 40°, 48°, 55°, 64°
- Cree XLamp LED array
- No UV or IR

| Module | Total Wattage | Lumen Package | Efficacy (Lm/W) | CRI |
|---|---|---|---|---|
| **80** | 81.5 | 9800 | 120 | 80 |
| **80** | 68 | 8500 | 125 | 80 |
| **80** | 54 | 7300 | 135 | 80 |

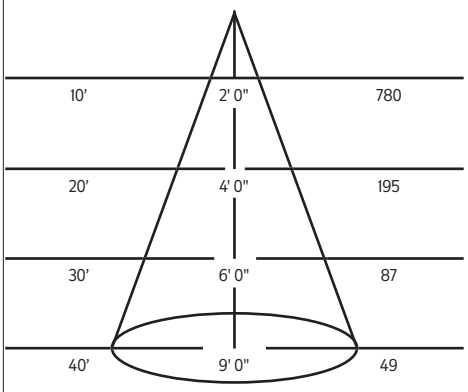
## Basic DMX/RDM Features for Non Color Mixing Fixtures

- Available with XLR, RJ45 and terminal block (in canopy or on fixture top) for hardwiring DMX/RDM in/out.
- Addressing done at factory before delivery or in-field with an RDM Controller.
- Logarithmic dimming curve.
- Failure mode - Fail ON

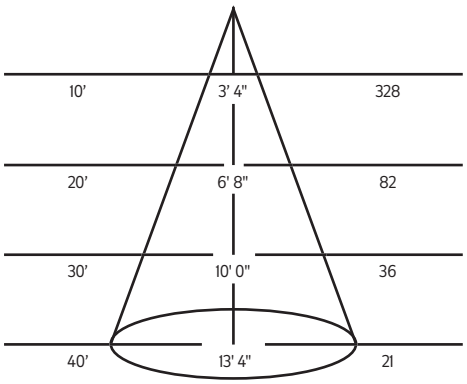
## Photometric Data

**NOTE:** Applies only to the CELESTE 81.5 Watt Unit.

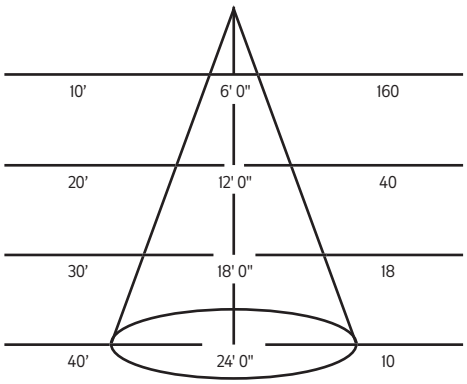
### 12º Spot Reflector



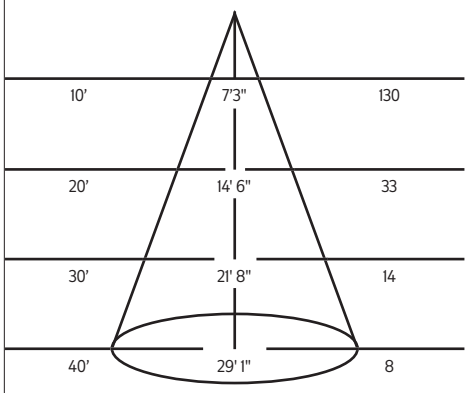

### 19º Spot Reflector



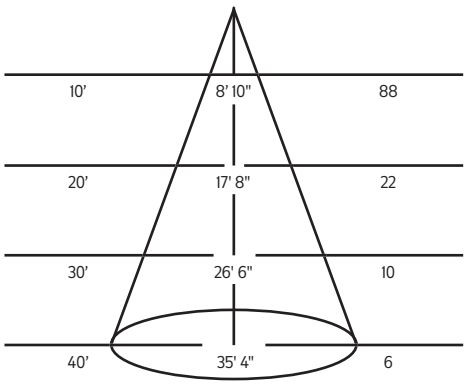

### 33º Narrow Flood Reflector



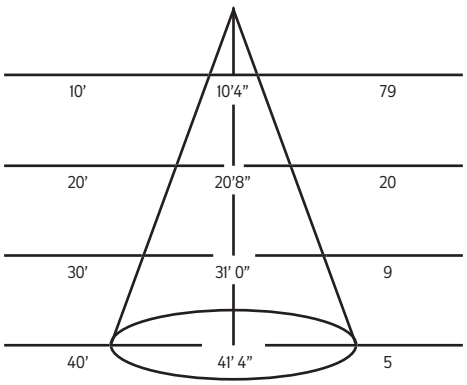

### 40º Flood Reflector



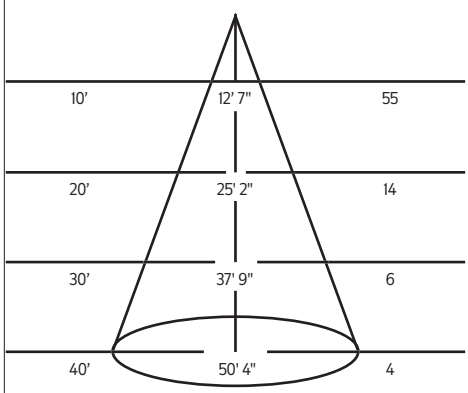

### 48º Wide Flood Reflector




### 55º Wide Flood Reflector

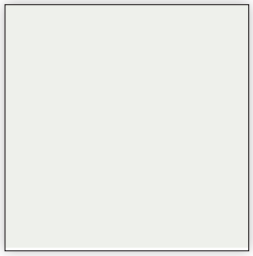



### 64º Wide Flood Reflector



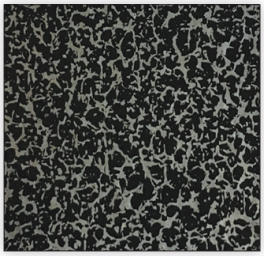
## Custom Colors

Black


White

Silver

Bronze


Silver Vein

## HOW TO SPECIFY:

| MODEL | WATTAGE | LED MODULE |
|---|---|---|
| **CEL** | **81** = 81-Watts<br>**68** = 68-Watts<br>**54** = 54-Watts | **80** = 80 CRI<br>**92** = 92 CRI |

| COLOR TEMPERATURE | FINISH | OPTICS |
|---|---|---|
| **27** = 2700K<br>**30** = 3000K<br>**35** = 3500K<br>**40** = 4000K<br>**50** = 5000K | **B** = Black<br>**W** = White<br>**S** = Silver<br>**Z** = Bronze<br>**V** = Silver Vein<br>**C** = Custom Color | **10** = 10°<br>**12** = 12°<br>**19** = 19°<br>**33** = 33°<br>**40** = 40°<br>**48** = 48°<br>**55** = 55°<br>**64** = 64° |

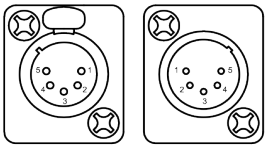
| MOUNTING | DIMMING | CONTROL / DMX CONNECTOR |
|---|---|---|
| **PM** = Pendent Mount (Specify Length in Inches)<br>**AC** = Aircraft Cable, 120" supplied, field-cuttable<br>**YME** = Yoke Mount w/ 6' Edison Whip<br>**YMT** = Yoke Mount w/ 6' Twist Lock Whip<br>**YM3** = Yoke Mount w/ 3-Wire Whip Without Connector (Provided w/ 10' leads)<br>**YM5** = Yoke Mount w/ 6' 5-Wire Whip Without Connector for 0-10V Dimming (Provided w/ 10' leads)<br>**SM** = Surface Mount (J-Box Mount)<br>**SL** = Swivel Canopy for tilted ceiling or where field adjustable stem lengths are required (specify maximum length in inches.) | **TE** = Trailing Edge<br>**LE** = Leading Edge<br>**010** = 0-10V<br>**ND** = Non-Dimming<br>**D/0** = 0-10V Dim to Off<br>**DXB** = DMX / RDM Basic<br>**WDX** = Wireless DMX* †<br>**ECO** = Lutron Ecosystem<br><br>* 120V Only (Provided with 3-PIN XLR Connectors)<br>† Not compatible with Surface Mount | **3** = 3 PIN XLR (Fixture Top)†<br>**5** = 5 PIN XLR (Fixture Top) †<br>**T** = Terminal Block (Fixture Top)<br>**E** = RJ45 Ethernet (Ethercon) (Fixture Top)<br>**TC** = Terminal Block (In Non-Swivel Canopy)*†<br>**TS** = Terminal Block (In Swivel Canopy)**†<br><br>* PM Option Only<br>** SL Option Only<br>† Not compatible with Surface Mount |

| ACCESSORIES |
|---|
| **L** = Louver<br>**G** = Glow Ring<br>**S** = Integral Surge Protector, 10kA L-G, 10kA N-G, 20kA L-N<br>**EM** = Emergency Driver |

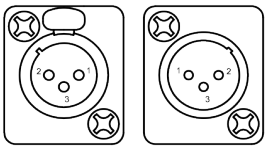
**EXAMPLE:** CEL-81-92-35-W-55-AC-DXB-5

| MODEL | WATTAGE | LED MODULE | COLOR TEMPERATURE | FINISH | OPTICS | MOUNTING | DIMMING | DMX | ACCESSORIES |
|---|---|---|---|---|---|---|---|---|---|
| **CEL** | | | | | | | | | |

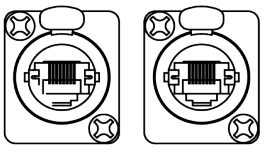
**CONNECTOR TYPES:**



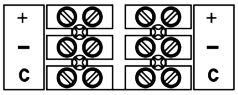
DX5 - 5 PIN XLR (FIXTURE TOP)



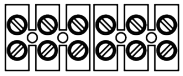
DX3 - 3 PIN XLR (FIXTURE TOP)



DXE - RJ45 ETHERNET (ETHERCON) (FIXTURE TOP)

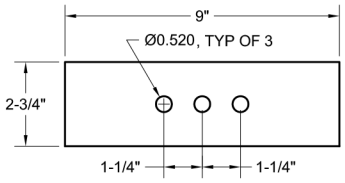


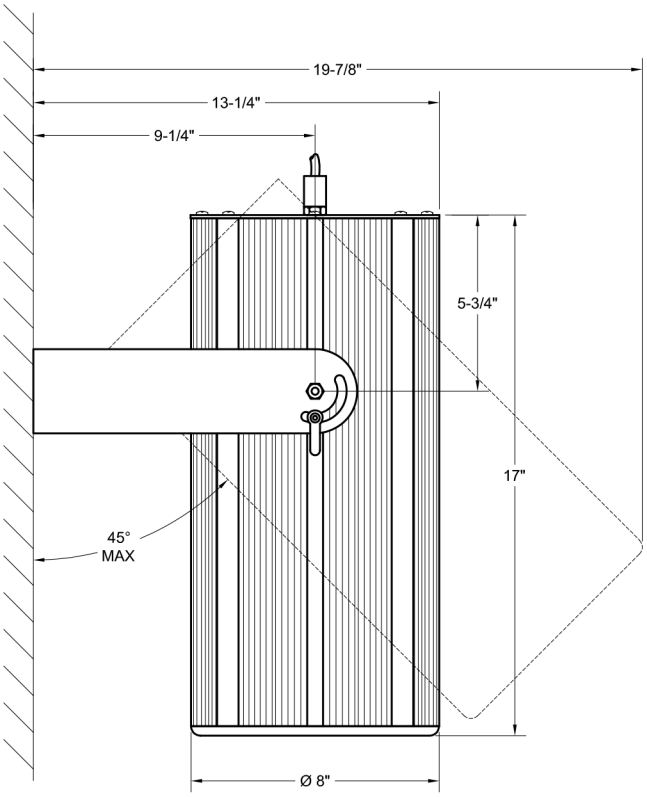

DXT - TERMINAL BLOCK (FIXTURE TOP)

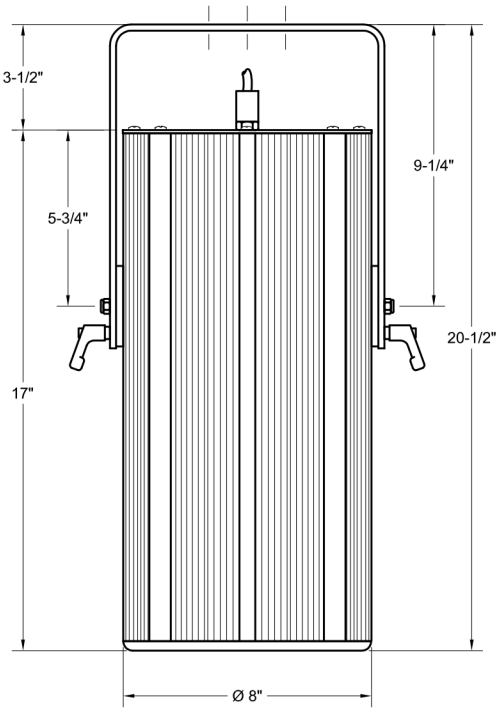


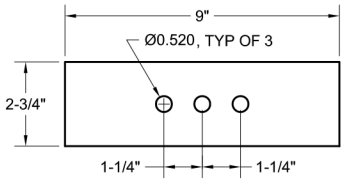
DXTC - TERMINAL BLOCK (INSIDE CANOPY)

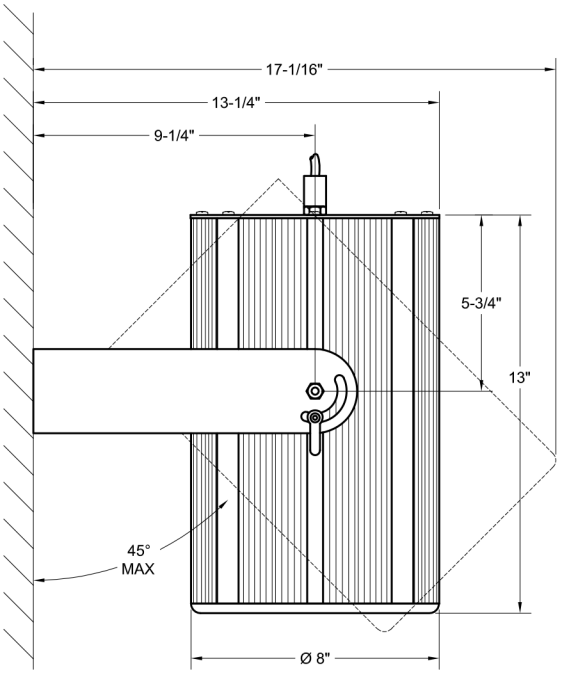
# YOKE MOUNT

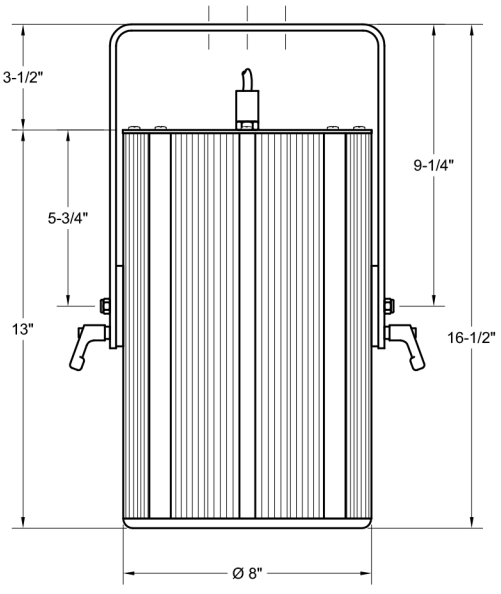

9"
Ø0.520, TYP OF 3
2-3/4"
1-1/4"
1-1/4"


19-7/8"
13-1/4"
9-1/4"
5-3/4"
17"
45°
MAX
Ø 8"

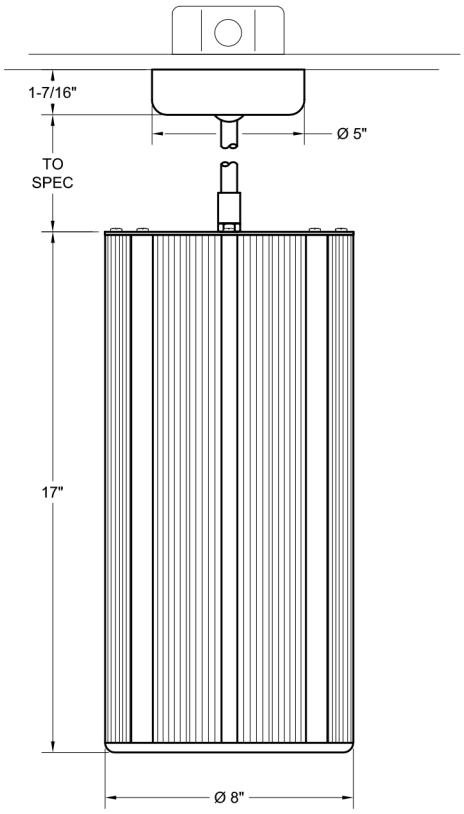

3-1/2"
9-1/4"
5-3/4"
20-1/2"
17"
Ø 8"

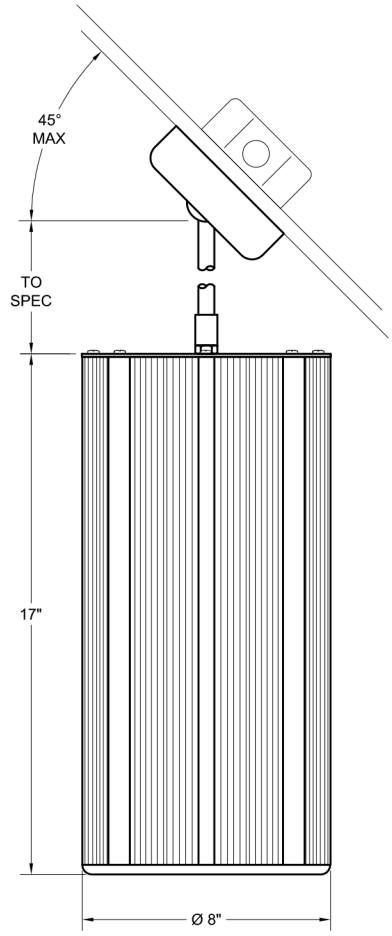

9"
Ø0.520, TYP OF 3
2-3/4"
1-1/4"
1-1/4"

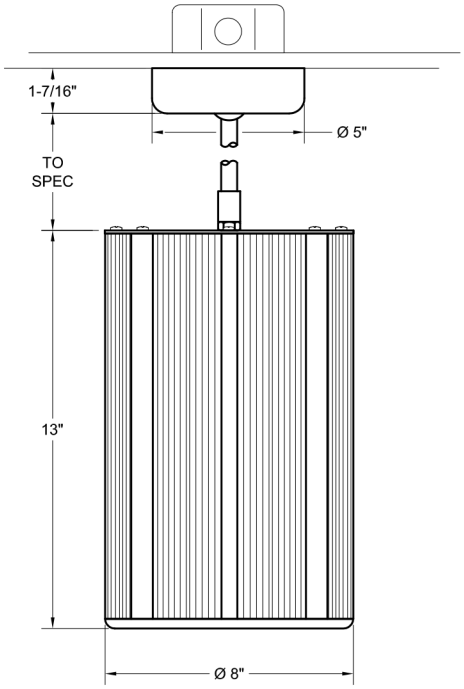

17-1/16"
13-1/4"
9-1/4"
5-3/4"
13"
45°
MAX
Ø 8"

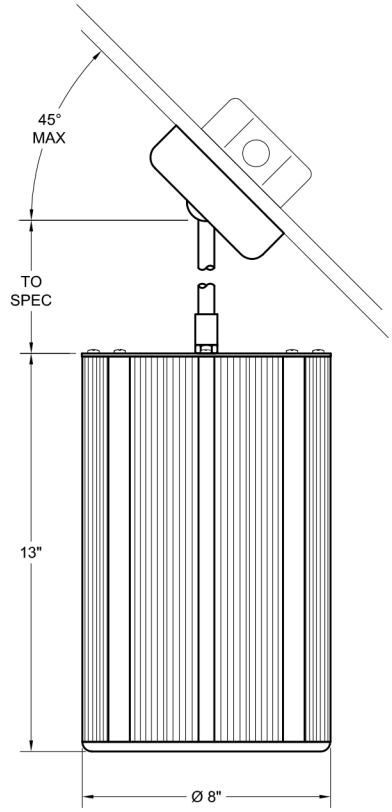

3-1/2"
9-1/4"
5-3/4"
13"
16-1/2"
Ø 8"

# STEM MOUNT,
# SWIVEL CANOPY

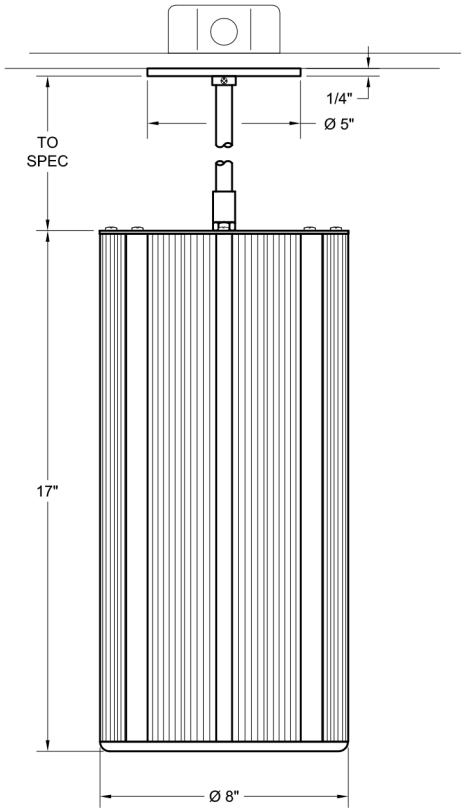


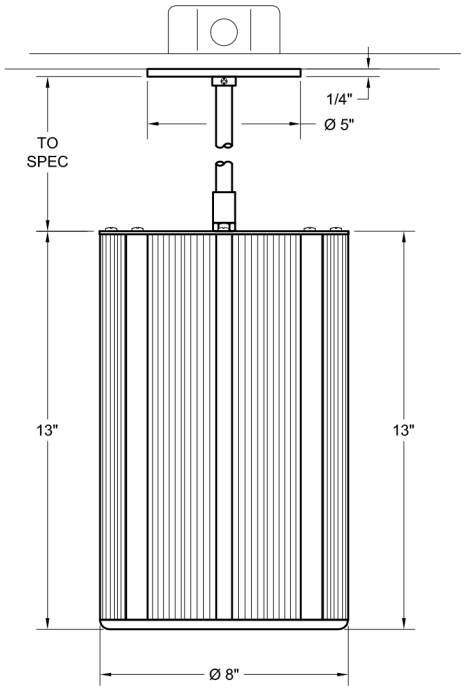



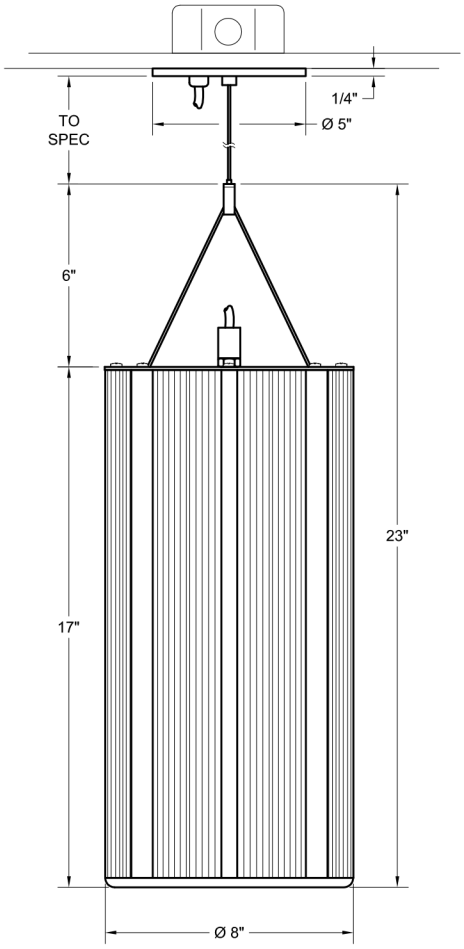



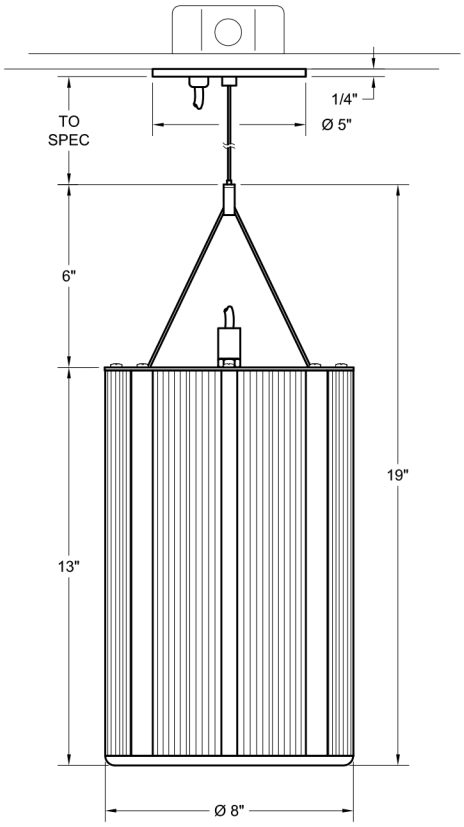
# STEM MOUNT, STANDARD CANOPY



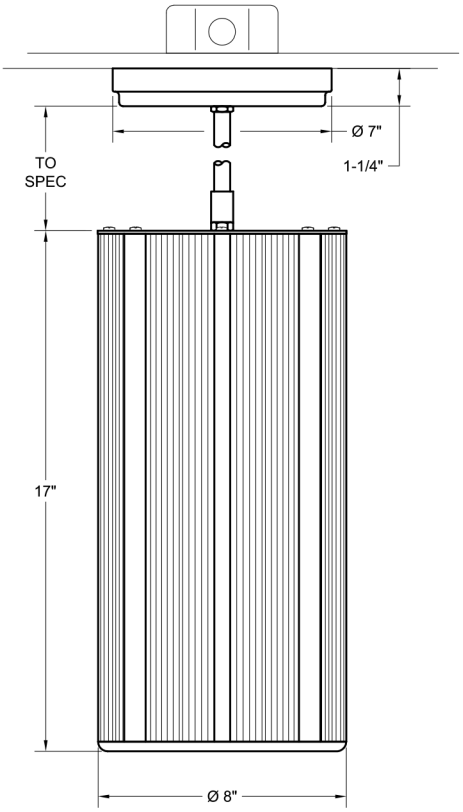



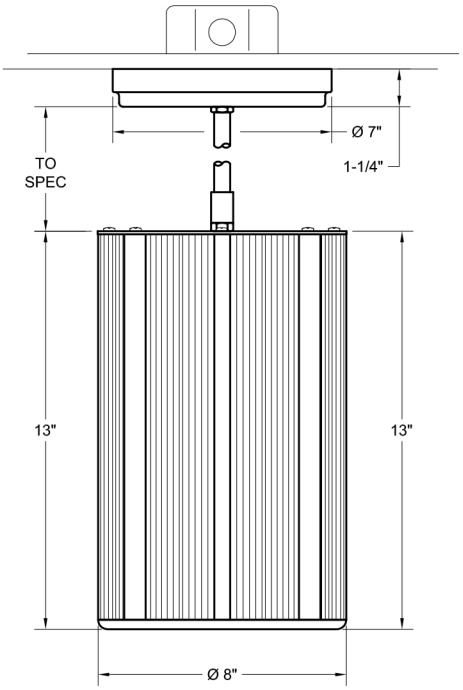

# CABLE MOUNT, STANDARD CANOPY

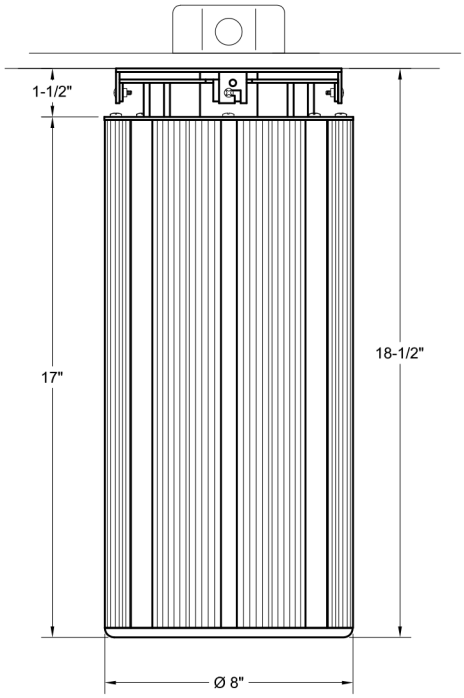
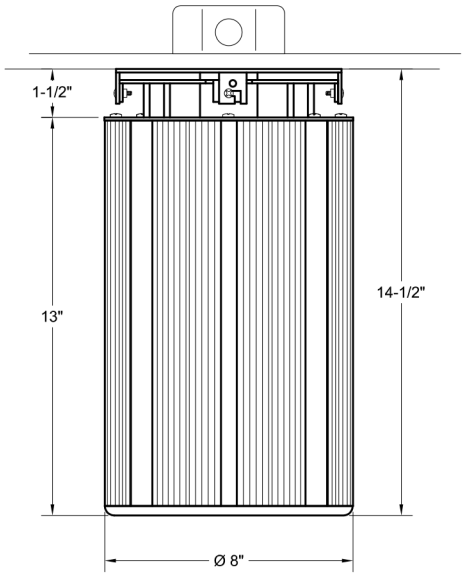


# STEM MOUNT, CANOPY WITH TERMINAL BLOCK




# SURFACE MOUNT