



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 fully customizable 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 and set the emergency mode to your preference. There is an easy to use DMX/RDM LCD display and push button controls located on top of the fixture's housing. Dimming is completely flicker-free and safe for video and film applications.

Manufactured in the USA - IBEW



Construction

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

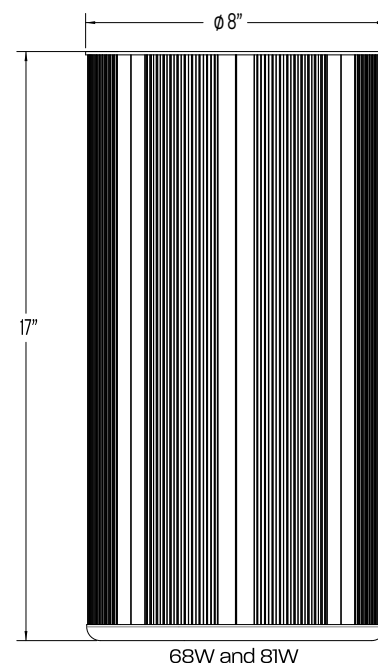
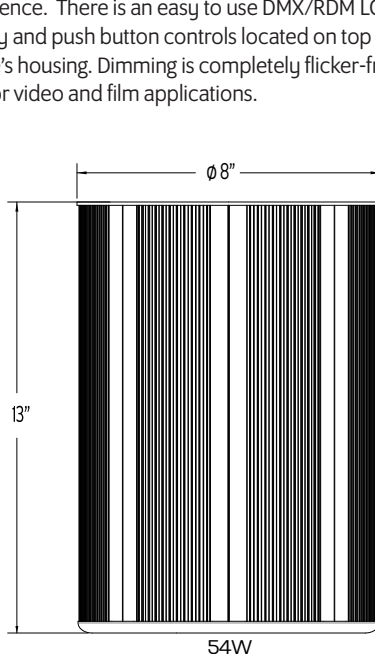
Electrical

- 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
- UL Listed Product

Maximum ambient temperature: 35°C
Maximum operating angle: 45° from vertical



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 |

Enhanced DMX/RDM Features for Non Color Mixing Fixtures

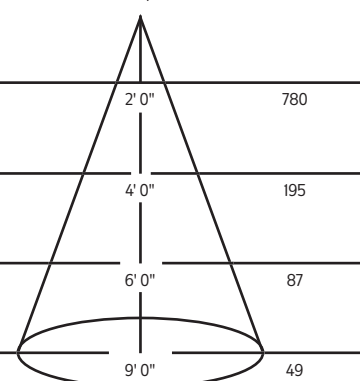
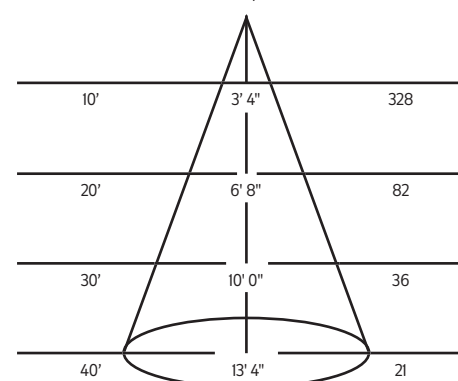
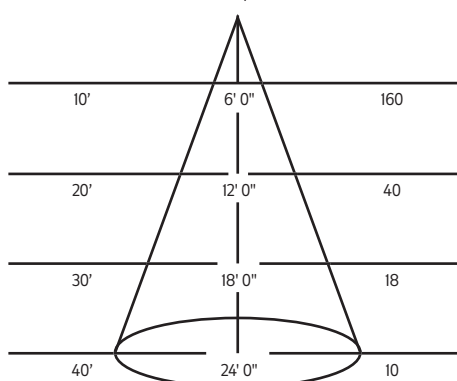
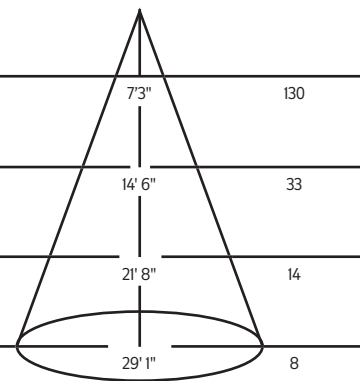
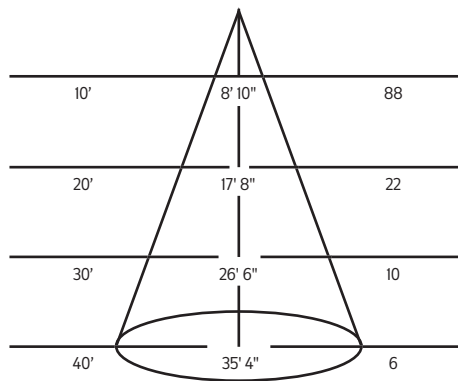
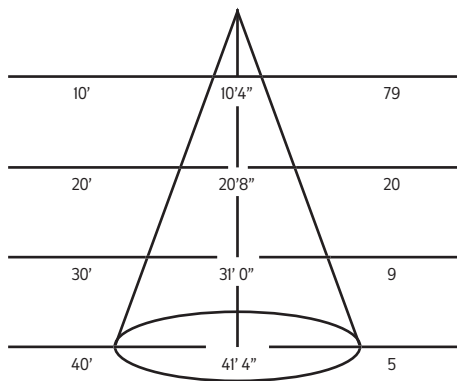
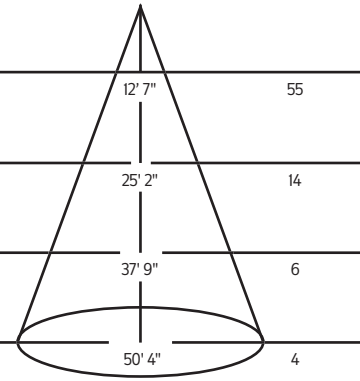
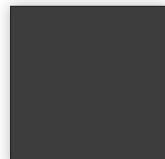
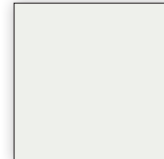

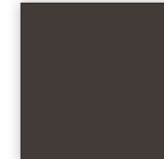
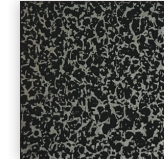
- Available with XLR, RJ45 and terminal block (in canopy or on fixture top) for hardwiring DMX/RDM in/out.
- Push button addressing.
- Digital readout screen only activates when programming
- Master/Slave (local control) mode.
- Linear or logarithmic dimming curve.
- Failure mode - choice of Fail ON or Fail OFF or any desired setting in-between.
- Integral 120 ohm Terminating Resistance can be turned on or off via on board controls.

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.

| <p>12° Spot Reflector</p> <table border="1"> <thead> <tr> <th>Distance</th> <th>Beam Spread</th> <th>Footcandles</th> </tr> </thead> <tbody> <tr> <td>10'</td> <td>2' 0"</td> <td>780</td> </tr> <tr> <td>20'</td> <td>4' 0"</td> <td>195</td> </tr> <tr> <td>30'</td> <td>6' 0"</td> <td>87</td> </tr> <tr> <td>40'</td> <td>9' 0"</td> <td>49</td> </tr> </tbody> </table>  | Distance | Beam Spread | Footcandles | 10' | 2' 0" | 780 | 20' | 4' 0" | 195 | 30' | 6' 0" | 87 | 40' | 9' 0" | 49 | <p>19° Spot Reflector</p> <table border="1"> <thead> <tr> <th>Distance</th> <th>Beam Spread</th> <th>Footcandles</th> </tr> </thead> <tbody> <tr> <td>10'</td> <td>3' 4"</td> <td>328</td> </tr> <tr> <td>20'</td> <td>6' 8"</td> <td>82</td> </tr> <tr> <td>30'</td> <td>10' 0"</td> <td>36</td> </tr> <tr> <td>40'</td> <td>13' 4"</td> <td>21</td> </tr> </tbody> </table>  | Distance | Beam Spread | Footcandles | 10' | 3' 4" | 328 | 20' | 6' 8" | 82 | 30' | 10' 0" | 36 | 40' | 13' 4" | 21 | <p>33° Narrow Flood Reflector</p> <table border="1"> <thead> <tr> <th>Distance</th> <th>Beam Spread</th> <th>Footcandles</th> </tr> </thead> <tbody> <tr> <td>10'</td> <td>6' 0"</td> <td>160</td> </tr> <tr> <td>20'</td> <td>12' 0"</td> <td>40</td> </tr> <tr> <td>30'</td> <td>18' 0"</td> <td>18</td> </tr> <tr> <td>40'</td> <td>24' 0"</td> <td>10</td> </tr> </tbody> </table>  | Distance | Beam Spread | Footcandles | 10' | 6' 0" | 160 | 20' | 12' 0" | 40 | 30' | 18' 0" | 18 | 40' | 24' 0" | 10 |
|---|-------------|-------------|-------------|-----|--------|-----|-----|--------|-----|-----|--------|----|-----|--------|----|--|----------|-------------|-------------|-----|--------|-----|-----|--------|----|-----|--------|----|-----|--------|----|---|----------|-------------|-------------|-----|--------|-----|-----|--------|----|-----|--------|----|-----|--------|----|
| Distance | Beam Spread | Footcandles | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10' | 2' 0" | 780 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20' | 4' 0" | 195 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30' | 6' 0" | 87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40' | 9' 0" | 49 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Distance | Beam Spread | Footcandles | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10' | 3' 4" | 328 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20' | 6' 8" | 82 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30' | 10' 0" | 36 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40' | 13' 4" | 21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Distance | Beam Spread | Footcandles | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10' | 6' 0" | 160 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20' | 12' 0" | 40 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30' | 18' 0" | 18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40' | 24' 0" | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>40° Flood Reflector</p> <table border="1"> <thead> <tr> <th>Distance</th> <th>Beam Spread</th> <th>Footcandles</th> </tr> </thead> <tbody> <tr> <td>10'</td> <td>7' 3"</td> <td>130</td> </tr> <tr> <td>20'</td> <td>14' 6"</td> <td>33</td> </tr> <tr> <td>30'</td> <td>21' 8"</td> <td>14</td> </tr> <tr> <td>40'</td> <td>29' 1"</td> <td>8</td> </tr> </tbody> </table>  | Distance | Beam Spread | Footcandles | 10' | 7' 3" | 130 | 20' | 14' 6" | 33 | 30' | 21' 8" | 14 | 40' | 29' 1" | 8 | <p>48° Wide Flood Reflector</p> <table border="1"> <thead> <tr> <th>Distance</th> <th>Beam Spread</th> <th>Footcandles</th> </tr> </thead> <tbody> <tr> <td>10'</td> <td>8' 10"</td> <td>88</td> </tr> <tr> <td>20'</td> <td>17' 8"</td> <td>22</td> </tr> <tr> <td>30'</td> <td>26' 6"</td> <td>10</td> </tr> <tr> <td>40'</td> <td>35' 4"</td> <td>6</td> </tr> </tbody> </table>  | Distance | Beam Spread | Footcandles | 10' | 8' 10" | 88 | 20' | 17' 8" | 22 | 30' | 26' 6" | 10 | 40' | 35' 4" | 6 | <p>55° Wide Flood Reflector</p> <table border="1"> <thead> <tr> <th>Distance</th> <th>Beam Spread</th> <th>Footcandles</th> </tr> </thead> <tbody> <tr> <td>10'</td> <td>10' 4"</td> <td>79</td> </tr> <tr> <td>20'</td> <td>20' 8"</td> <td>20</td> </tr> <tr> <td>30'</td> <td>31' 0"</td> <td>9</td> </tr> <tr> <td>40'</td> <td>41' 4"</td> <td>5</td> </tr> </tbody> </table>  | Distance | Beam Spread | Footcandles | 10' | 10' 4" | 79 | 20' | 20' 8" | 20 | 30' | 31' 0" | 9 | 40' | 41' 4" | 5 |
| Distance | Beam Spread | Footcandles | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10' | 7' 3" | 130 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20' | 14' 6" | 33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30' | 21' 8" | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40' | 29' 1" | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Distance | Beam Spread | Footcandles | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10' | 8' 10" | 88 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20' | 17' 8" | 22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30' | 26' 6" | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40' | 35' 4" | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Distance | Beam Spread | Footcandles | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10' | 10' 4" | 79 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20' | 20' 8" | 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30' | 31' 0" | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40' | 41' 4" | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>64° Wide Flood Reflector</p> <table border="1"> <thead> <tr> <th>Distance</th> <th>Beam Spread</th> <th>Footcandles</th> </tr> </thead> <tbody> <tr> <td>10'</td> <td>12' 7"</td> <td>55</td> </tr> <tr> <td>20'</td> <td>25' 2"</td> <td>14</td> </tr> <tr> <td>30'</td> <td>37' 9"</td> <td>6</td> </tr> <tr> <td>40'</td> <td>50' 4"</td> <td>4</td> </tr> </tbody> </table>  | Distance | Beam Spread | Footcandles | 10' | 12' 7" | 55 | 20' | 25' 2" | 14 | 30' | 37' 9" | 6 | 40' | 50' 4" | 4 | <p>Custom Colors</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>Black</p> </div> <div style="text-align: center;">  <p>White</p> </div> <div style="text-align: center;">  <p>Silver</p> </div> <div style="text-align: center;">  <p>Bronze</p> </div> <div style="text-align: center;">  <p>Silver Vein</p> </div> </div> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Distance | Beam Spread | Footcandles | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10' | 12' 7" | 55 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20' | 25' 2" | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30' | 37' 9" | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40' | 50' 4" | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

HOW TO SPECIFY:

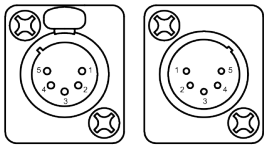
| MODEL | WATTAGE | LED MODULE |
|--|---|--|
| CEL | 81 = 81-Watts 68 = 68-Watts 54 = 54-Watts | 80 = 80 CRI 92 = 92 CRI |
| COLOR TEMPERATURE | FINISH | OPTICS |
| 27 = 2700K 30 = 3000K 35 = 3500K 40 = 4000K 50 = 5000K | B = Black W = White S = Silver BZ = Bronze SV = Silver Vein CC = Custom Color | 12 = 12° 19 = 19° 33 = 33° 40 = 40° 48 = 48° 55 = 55° 64 = 64° |
| MOUNTING | DIMMING | CONTROL / DMX CONNECTOR |
| PM = Pendent Mount (Specify Length in Inches) AC = Aircraft Cable, 120" supplied, field-cuttable YM-ED = Yoke Mount w/ 6' Edison Whip YM-TL = Yoke Mount w/ 6' Twist Lock Whip YM-3 = Yoke Mount w/ 3-Wire Whip Without Connector (Specify Length in Inches) YM-5 = Yoke Mount w/ 6' 5-Wire Whip Without Connector for 0-10V Dimming (Specify Length in Inches) | TE = Trailing Edge LE = Leading Edge RACK = Theatre (81W Only) 010 = 0-10V ND = Non-Dimming D/0 = 0-10V Dim to Off (81W Only) DXB = DMX / RDM Basic DX = DMX / RDM Enhanced ECO = Lutron Ecosystem | 3 = 3 PIN XLR (Fixture Top) 5 = 5 PIN XLR (Fixture Top) T = Terminal Block (Fixture Top) E = RJ45 Ethernet (Ethercon) (Fixture Top) TC = Terminal Block (Fixture Canopy)* |

* PM Option Only

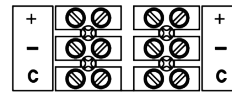
EXAMPLE: CEL-81-92-35-W-55-AC-DX-5

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

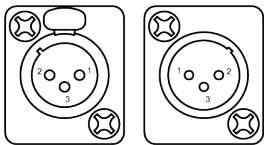
CONNECTOR TYPES:



DX5 - 5 PIN XLR (FIXTURE TOP)



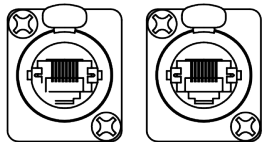
DXT - TERMINAL BLOCK (FIXTURE TOP)



DX3 - 3 PIN XLR (FIXTURE TOP)



DXTC - TERMINAL BLOCK (INSIDE CANOPY)



DXE - RJ45 ETHERNET (ETHERCON) (FIXTURE TOP)

Notes on Dimming:

- **TE** This means the fixture will work on *MOST* quality Trailing Edge dimmers. These dimmer types are also known as Reverse Phase or Electronic Low Voltage (ELV), and are available as wall mount and rack mount modules.
- **LE** This means the fixture will work on *MOST* quality Leading Edge dimmers. These dimmer types are also known as Forward Phase, Incandescent, Halogen or Triac, and are available as wall mount and rack mount modules.
- **0-10** This means the fixture will work on *MOST* quality 0-10V or 1-10V dimmers. These dimmer types are also known as Fluorescent, and are available as wall mount and rack mount modules.
- **RACK** Specifically designed to work with theatrical style rack mount leading edge dimmers manufactured by ETC, LePrecon and Elation.

It is impractical to test every fixture type with every dimmer type, and some combinations work better than others, while some not at all.

It is advisable to pretest a particular fixture with an intended dimmer beforehand to insure that the combination will work as expected.

Most if not all dimmers have a maximum LED load that can be applied, often as little as 10% of its nominally rated value.

Dimming LEDs can actually extend their life expectancy, and will not affect the color temperature or CRI.

0/10 = 0-10V standard will dim to approximately 40%

D/0 = 0-10V that will dim to off

NOTE: All 0-10V dimming options must be provided with a 5 wire whip for power and control or a 3 wire whip for power and a terminal block on the fixture top for control.

DX3 = 3PIN XLR In - Out (Mounted on fixture top) (for DMX/RDM)

DX5 = 5PIN XLR In - Out (Mounted on fixture top)

DXT = Terminal Block In - Out (Mounted on fixture top) (for DMX/RDM and 0-10)

DXE = RJ45 Ethernet (Ethercon) (Mounted on fixture top) (for DMX/RDM and 0-10)

DXTC = Terminal Block In-Out (Mounted inside canopy) (for DMX/RDM)

NOTE: DMX will also function with RDM.