



8" ROUND DIRECT

FOCUSED ILLUMINATION



C0812XT, C0816XT, C0824XT - CEILING MOUNT

APPLICATION

8" round x 12", 16" or 24" high 8" diameter cylinder luminaire for accent and general illumination.

FEATURES

Spectrum's Cylinder series provides traditional architectural style with high performance and energy efficient illumination. Rugged design with flexible mounting, finish and LED options make these extremely versatile fixtures. Quick change LED module with interchangeable optics for fixture upgrade.

FINISH

Multi-stage polyester powder-coat process applied on our dedicated paint lines. See mounting and color pages for standard finishes. All exposed materials are chromate pre-treated to resist corrosion.

ELECTRONICS

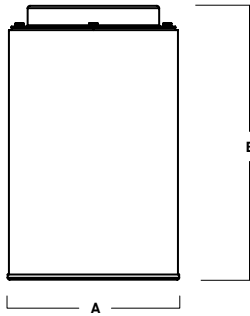
LED system features Xicato LED module with proprietary phosphor technology that provides consistent stable color with CCT control of +/- 100K over life of the light engine. Base CRI is 83 with 2-step MacAdam Ellipse binning. High CRI is 98 with 1 x 2-step MacAdam Ellipse binning. Variety of electronic 120V/277V and dimming drivers.

CONSTRUCTION

Fabricated seamless aluminum fixture housing. Silicone gasket seals optical chamber. Specular primary optical reflectors provide high efficiency illumination. Impact resistant tempered glass lenses. Stainless steel hardware with galvanized steel brackets to resist corrosion. Trim formed from .063 thick high purity aluminum and finished to specification.

CODE COMPLIANCE

BAA compliant. ETL certified to meet US and Canadian standards. Suitable for dry or damp locations. Wet Location Option. Manufactured and tested to UL standards No. 1598/8750.



| SERIES | A | B |
|---------|-----|------|
| C0812XT | 8.0 | 12.1 |
| C0816XT | 8.0 | 16.1 |
| C0824XT | 8.0 | 24.1 |

Fixture Weight: 18.5 lbs

| LUMENS / WATTAGE DATA | | | | |
|-----------------------|---------------|-------------------------------|---------------------------|-----|
| PART NUMBER | SOURCE LUMENS | DELIVERED LUMENS ² | SYSTEM WATTS ³ | LPW |
| C0812XT10L | 1000 | 760 | 9.1 | 84 |
| C0812XT13L | 1300 | 1024 | 13.0 | 79 |
| C0812XT20L | 2000 | 1575 | 21.7 | 73 |
| C0812XT30L | 3000 | 2363 | 32.6 | 72 |

| SERIES | LUMENS ¹ | CCT | OPTICS | DRIVER / DIMMING ⁶ | OPTIONS ⁹ | TRIM | MOUNTING ¹¹ | FINISH ¹⁵ | |
|------------------------------|---------------------|------------|---------------------|--|--|--|--|---|--|
| C0812XT 8" x 12" Cylinder | 10L | 1000 Lm | 83 CRI | EX Electronic Driver, 120V/277V DS10X 10%, 0-10V, 120V/277V DO10X 1%, 0-10V, 120V/277V DS2W1 ELV/MLV, 120V DMXS ^{7/8} DMX Standard Configuration DMXC ^{7/8} DMX Non-Standard Custom | WL ¹⁰ Wet Location FS Fuse Holder and Fuse CR Corrosion Resistant | TSG Semi-Diffuse Low Iridescent Clear TCY Same Color as Cylinder TCC Custom Color | HM ^{12/13} Hang Straight | MW ¹⁵ Matte White MB ¹⁵ Matte Black PT ¹⁵ Platinum Silver CC Custom Color | |
| | 13L | 1300 Lm | 27K 2700K | | | | ND 22° | | PM ^{12/13} Rigid Pendant Mount |
| | 20L | 2000 Lm | 30K 3000K | | | | MD 39° | | AT ^{12/13} Hang Straight All Thread |
| C0816XT 8" x 16" Cylinder | 30L | 3000 Lm | 35K 3500K | WD 46° | CR Corrosion Resistant | TCC Custom Color | CD ^{10/12/14} Cord / Cable Mount | EMERGENCY BATTERY OPTIONS | |
| | | | 40K 4000K | XW 57° | | | CD3X ^{10/12/14} 3X Cord / Cable Mount | | |
| C0824XT 8" x 24" Cylinder | | | 98 CRI ⁴ | | | LENS | SM Surface Mount | | |
| | | | 27HK 2700K | | | NL ¹⁰ No Lens | CQD ⁸ DMX Large Driver Canopy | | |
| | | | 30HK 3000K | | | GL Clear Glass Lens | EMCR 10W Canopy Mounted EM | | |
| | | | 35HK 3500K | | | FG Frosted Glass Lens | EMRM 7W Remote EM | | |
| | | 40HK 4000K | | | SO Micro Prism Solite™ Lens | EMEN 7W Remote with Enclosure | | | |

EXAMPLE: C0812XT20L35KNDEX/TSGGL/HM36/MW

NOTES:

1 Nominal Source Lumens at Any CCT 2 Nominal Delivered Lumens at 83 CRI at Any CCT with MD-TSG-SO 3 At 83 CRI 4 20L Max 5 13L Max/XN not Available with 98 CRI Option 6 Contact Factory for Additional Options
7 Contact Factory 8 CQD Required for DMXS/C 9 See Product Options Page for Details 10 Wet Location Unavailable with NL or CD 11 See Mounting Page for Details on Components and Finishes 12 Specify Length in Inches: See Mounting Page for Available Lengths 13 Not for Use in Locations with Wind Exposure 14 EMxxx Option Requires 2 Cords 15 Reference Color Sheet Located on Product Webpage for Full List of Available Colors 16 Standard Finishes



PROJECT: _____
TYPE: _____



Dimensions and values shown are nominal. Spectrum Lighting continually works to improve products and reserves the right to make changes which may alter the performance or appearance of products.

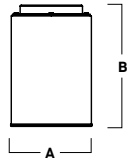
8" ROUND DIRECT

FOCUSED ILLUMINATION / FIXTURE OPTIONS



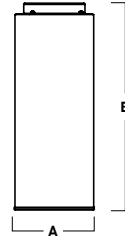
SERIES SIZES

CO812XT



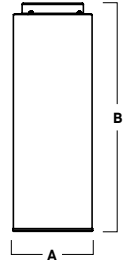
| A | B |
|----------|----------|
| 8.0 | 12.1 |
| 203.2 mm | 307.3 mm |

CO816XT



| A | B |
|----------|----------|
| 8.0 | 16.1 |
| 203.2 mm | 408.9 mm |

CO824XT



| A | B |
|----------|----------|
| 8.0 | 24.1 |
| 203.2 mm | 612.1 mm |

STANDARD FINISHES

MW
MATTE WHITE



MB
MATTE BLACK

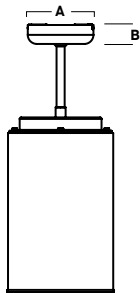


PT
PLATINUM SILVER



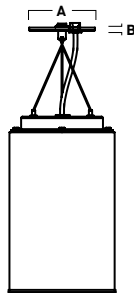
MOUNTING TYPES

HM / PM / AT
HANG STRAIGHT / PENDANT / ALL THREAD



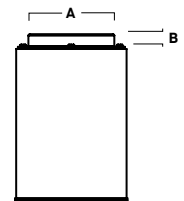
| A | B |
|----------|---------|
| 5.0 | 1.5 |
| 127.0 mm | 38.1 mm |

CD3X
CORD / CABLE MOUNT



| A | B |
|----------|--------|
| 5.0 | .25 |
| 127.0 mm | 6.4 mm |

SM
SURFACE MOUNT



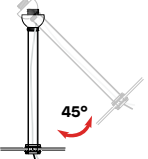
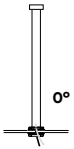
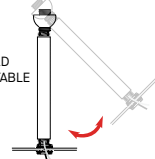
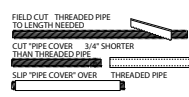

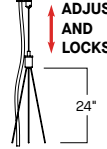
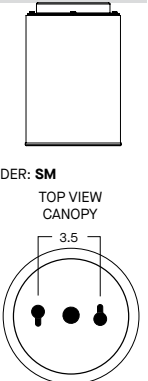
| SERIES | A | B |
|---------|-----|-----|
| CO812XT | 6.2 | 1.2 |
| CO816XT | 6.2 | 1.1 |

STANDARD MOUNTING & ACCESSORIES

SOME OPTIONS NOT AVAILABLE ON ALL FIXTURES. CONSULT SPECIFICATION SHEETS. SEE INDIVIDUAL SPECIFICATION SHEETS OR CONSULT FACTORY FOR ADDITIONAL INFORMATION.
NOTE: THIS IS TYPICAL OF CYLINDERS SPECIFICATION FOR PENDANT MOUNTING. INDIVIDUAL FIXTURES OR PROJECTS MAY HAVE SPECIALIZED REQUIREMENTS.



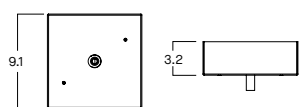
MOUNTING TYPES

| | | | | | |
|--|---|--|---|---|--|
| <p>HM* HANG STRAIGHT 45° SWIVEL 5/8" OD STEM - 3/8" IP</p>  <p>ORDER: HM (Length) SPECIFY LENGTH: HM3 - 3" HM24 - 24" HM6 - 6" HM36 - 36" HM12 - 12" HM48 - 48" HM18 - 18" HM72 - 72" HMLC(XX) Custom Length (Specify in Inches)</p> | <p>PM* RIGID PENDANT MOUNT RIGID 5/8" OD STEM - 3/8" IP</p>  <p>ORDER: PM (Length) SPECIFY LENGTH: PM3 - 3" PM24 - 24" PM6 - 6" PM36 - 36" PM12 - 12" PM48 - 48" PM18 - 18" PM72 - 72" PMLC(XX) Custom Length (Specify in Inches)</p> | <p>AT** HANG STRAIGHT ALL THREAD 45° SWIVEL 5/8" OD STEM - 1/4" IP</p>  <p>ORDER: AT (Length) SPECIFY LENGTH: AT12 - 12" AT24 - 24" AT36 - 36"</p>  <p>FIELD CUT THREADED PIPE TO LENGTH NEEDED CUT PIPE COVER 3/4" SHORTER THAN THREADED PIPE SLIP PIPE COVER OVER THREADED PIPE</p> | <p>CD CORD / CABLE MOUNT SJ CORD WITH 1/16 SS CABLE</p>  <p>ORDER: CD (Length) SPECIFY LENGTH: CD36 - 36" CD72 - 72" CD144 - 144" CDLC(XX) Custom Length (Specify in Inches)</p> | <p>CD3X CORD / CABLE MOUNT SJ CORD WITH 1/16 SS CABLE</p>  <p>ORDER: CD3X (Length) SPECIFY LENGTH: CD3x36 - 36" CD3x72 - 72" CD3x144 - 144" CDLC3X(XX) Custom Length (Specify in Inches)</p> | <p>SM SURFACE MOUNT WIRING COMPARTMENT / TOP HAT</p>  <p>ORDER: SM TOP VIEW CANOPY 3.5</p> <p>KEY SLOTS MOUNT CANOPY TO WALL JUNCTION BOX. JUNCTION BOX IS COVERED.</p> |
|--|---|--|---|---|--|

*MAXIMUM ONE PIECE STEM LENGTH IS 72". **MAXIMUM ONE PIECE STEM LENGTH IS 36". LONGER LENGTHS ARE POSSIBLE USING MULTIPLE STEMS AND COUPLERS.

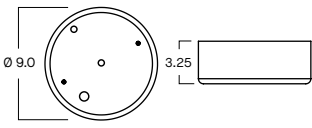
DMX OPTION

QGD - LARGE DRIVER CANOPY FOR DMX OPTIONS

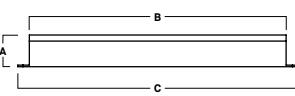
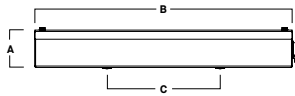


EMERGENCY BATTERY OPTIONS

EMCR - LARGE DRIVER CANOPY FOR 10W EMERGENCY BATTERY



REMOTE EMERGENCY BATTERY OPTIONS

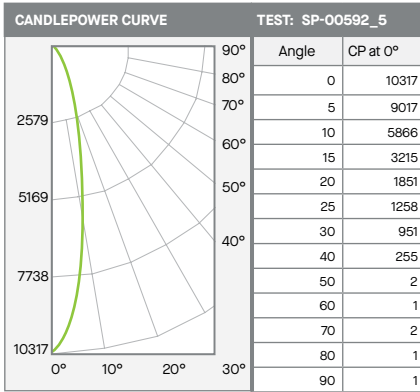
| <p>EMRM* - 7W REMOTE EMERGENCY BATTERY (50" MAX)</p>  <table border="1"> <thead> <tr> <th>A</th> <th>B</th> <th>C</th> </tr> </thead> <tbody> <tr> <td>1.3</td> <td>12.6</td> <td>13.0</td> </tr> </tbody> </table> | A | B | C | 1.3 | 12.6 | 13.0 | <p>EMEN* - 7W REMOTE EMERGENCY BATTERY WITH ENCLOSURE (50" MAX)</p>  <table border="1"> <thead> <tr> <th>A</th> <th>B</th> <th>C</th> </tr> </thead> <tbody> <tr> <td>2.0</td> <td>17.0</td> <td>6.2</td> </tr> </tbody> </table> | A | B | C | 2.0 | 17.0 | 6.2 |
|---|------|------|---|-----|------|------|--|---|---|---|-----|------|-----|
| A | B | C | | | | | | | | | | | |
| 1.3 | 12.6 | 13.0 | | | | | | | | | | | |
| A | B | C | | | | | | | | | | | |
| 2.0 | 17.0 | 6.2 | | | | | | | | | | | |

8" ROUND DIRECT

FOCUSED ILLUMINATION / PHOTOMETRIC DATA



C08xxXT-30LxxK-NDEX-TSG-GL



| Beam Angle | Lumens | % |
|--------------|--------|------|
| 0-10 | 765 | 27% |
| 0-20 | 1727 | 62% |
| 0-30 | 2336 | 83% |
| 0-40 | 2731 | 98% |
| 0-60 | 2796 | 100% |
| 0-80 | 2798 | 100% |
| 0-90 | 2800 | 100% |
| Total Lumens | 2800 | 100% |

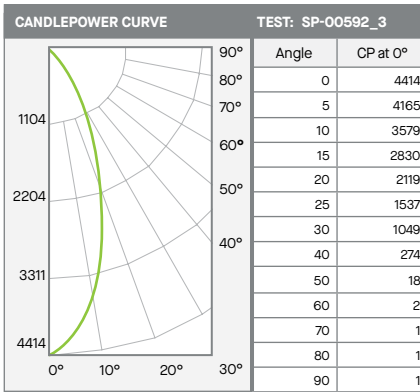
30L NARROW - 83 CRI

| Mounting Height* | FC at Center | Diameter of Beam** | FC at Beam** |
|------------------|--------------|--------------------|--------------|
| 5.5' | 341 | 2.2' | 164 |
| 6.5' | 244 | 2.6' | 117 |
| 7.5' | 183 | 3.0' | 88 |
| 8.5' | 143 | 3.4' | 69 |
| 10.0' | 103 | 4.0' | 50 |
| 12.0' | 72 | 4.8' | 34 |
| 14.0' | 53 | 5.6' | 25 |
| 16.0' | 40 | 6.4' | 19 |

* From aperture to horizontal surface below.
** At IESNA defined Beam Angle, to 50% Max. CP.

Delivered Lumens: 2800 CP @ 0° (Nadir): 10317 Spacing Ratio: 0.4
 Luminaire Watts: 32.6 Beam Angle: 22.7° Output Multipliers: 10L x 0.32, 13L x 0.43, 20L x 0.67
 LER: 86 CRI: 83

C08xxXT-30LxxK-MDEX-TSG-SO



| Beam Angle | Lumens | % |
|--------------|--------|------|
| 0-10 | 379 | 16% |
| 0-20 | 1166 | 49% |
| 0-30 | 1875 | 79% |
| 0-40 | 2266 | 96% |
| 0-60 | 2358 | 100% |
| 0-80 | 2361 | 100% |
| 0-90 | 2363 | 100% |
| Total Lumens | 2363 | 100% |

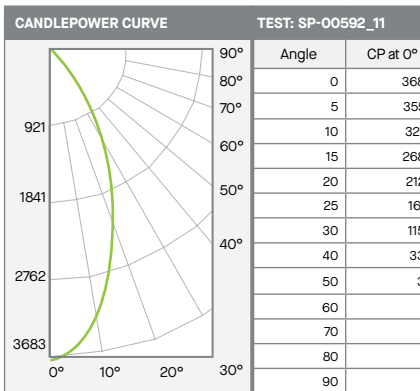
30L MEDIUM - 83 CRI

| Mounting Height* | FC at Center | Diameter of Beam** | FC at Beam** |
|------------------|--------------|--------------------|--------------|
| 5.5' | 146 | 3.9' | 65 |
| 6.5' | 104 | 4.6' | 46 |
| 7.5' | 78 | 5.3' | 35 |
| 8.5' | 61 | 6.0' | 27 |
| 10.0' | 44 | 7.0' | 20 |
| 12.0' | 31 | 8.5' | 14 |
| 14.0' | 23 | 9.9' | 10 |
| 16.0' | 17 | 11.3' | 8 |

* From aperture to horizontal surface below.
** At IESNA defined Beam Angle, to 50% Max. CP.

Delivered Lumens: 2363 CP @ 0° (Nadir): 4414 Spacing Ratio: 0.62
 Luminaire Watts: 32.6 Beam Angle: 38.8° Output Multipliers: 10L x 0.32, 13L x 0.43, 20L x 0.67
 LER: 72 CRI: 83

C08xxXT-30LxxK-WDEX-TSG-SO



| Beam Angle | Lumens | % |
|--------------|--------|------|
| 0-10 | 328 | 14% |
| 0-20 | 1073 | 45% |
| 0-30 | 1815 | 76% |
| 0-40 | 2261 | 95% |
| 0-60 | 2377 | 100% |
| 0-80 | 2380 | 100% |
| 0-90 | 2382 | 100% |
| Total Lumens | 2382 | 100% |

30L WIDE - 83 CRI

| Mounting Height* | FC at Center | Diameter of Beam** | FC at Beam** |
|------------------|--------------|--------------------|--------------|
| 5.5' | 122 | 4.6' | 52 |
| 6.5' | 87 | 5.5' | 37 |
| 7.5' | 65 | 6.3' | 28 |
| 8.5' | 51 | 7.1' | 22 |
| 10.0' | 37 | 8.4' | 16 |
| 12.0' | 26 | 10.1' | 11 |
| 14.0' | 19 | 11.8' | 8 |
| 16.0' | 14 | 13.5' | 6 |

* From aperture to horizontal surface below.
** At IESNA defined Beam Angle, to 50% Max. CP.

Delivered Lumens: 2382 CP @ 0° (Nadir): 3683 Spacing Ratio: 0.72
 Luminaire Watts: 32.6 Beam Angle: 45.6° Output Multipliers: 10L x 0.32, 13L x 0.43, 20L x 0.67
 LER: 73 CRI: 83

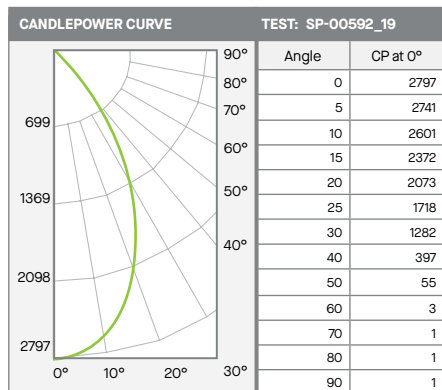
8" ROUND DIRECT

FOCUSED ILLUMINATION / PHOTOMETRIC DATA



C08xxXT-30LxxK-XWEX-TSG-SO

30L XTRA WIDE - 83 CRI



ZONAL LUMENS

| | | |
|--------------|------|------|
| 0-10 | 257 | 11% |
| 0-20 | 918 | 38% |
| 0-30 | 1707 | 71% |
| 0-40 | 2230 | 93% |
| 0-60 | 2398 | 100% |
| 0-80 | 2402 | 100% |
| 0-90 | 2403 | 100% |
| Total Lumens | 2403 | 100% |

SINGLE UNIT: PERFORMANCE
INITIAL FOOTCANDLES AND BEAM ANGLE DIAMETERS

| Mounting Height* | FC at Center | Diameter of Beam** | FC at Beam** |
|------------------|--------------|--------------------|--------------|
| 5.5' | 92 | 5.6' | 37 |
| 6.5' | 66 | 6.6' | 26 |
| 7.5' | 50 | 7.6' | 20 |
| 8.5' | 39 | 8.6' | 15 |
| 10.0' | 28 | 10.1' | 11 |
| 12.0' | 19 | 12.1' | 8 |
| 14.0' | 14 | 14.2' | 6 |
| 16.0' | 11 | 16.2' | 4 |

* From aperture to horizontal surface below.
** At IESNA defined Beam Angle, to 50% Max. CP.

Delivered Lumens: 2403
Luminaire Watts: 32.6
LER: 74

CP @ 0° (Nadir): 2797
Beam Angle: 57.3°
CRI: 83

Spacing Ratio: 0.88
Output Multipliers: 10L x 0.32, 13L x 0.43, 20L x 0.67