

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 pretreated to resist corrosion.

ELECTRONICS

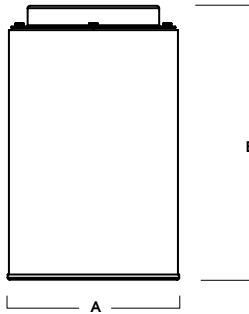
LED system features Xicato LED module with proprietary phosphor technology that provides consistent stable color with CCT control of +/- 100K over life of the light engine. Base CRI is 83 with 2-step MacAdam Ellipse binning. High CRI is 98 with 1 x 2-step MacAdam Ellipse binning. Variety of electronic 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	XN ⁵ 12°	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 ¹⁶ Matte White MB ¹⁶ Matte Black PT ¹⁶ 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°	DMXS ^{7/8} DMX Standard Configuration DMXC ^{7/8} DMX Non-Standard Custom	CR Corrosion Resistant	TCC Custom Color	CD ^{10/12/14} Cord / Cable Mount	See Page 6 for Full Range of Color Options (83-90095)
		40K 4000K	XW 57°				CD3X ^{10/12/14} 3X Cord / Cable Mount	
C0824XT 8" x 24" Cylinder		98 CRI ⁴		DMXS ^{7/8} DMX Standard Configuration DMXC ^{7/8} DMX Non-Standard Custom	CR Corrosion Resistant	TCC Custom Color	SM Surface Mount	See Page 6 for Full Range of Color Options (83-90095)
		27HK 2700K					EMERGENCY BATTERY OPTIONS	
		30HK 3000K					NL ¹⁰ No Lens	
		35HK 3500K					GL Clear Glass Lens	
		40HK 4000K					FG Frosted Glass Lens SO Micro Prism Solite™ Lens	

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 EMxxxx Option Requires 2 Cords 15 See Color Page for More Options/Consult Factory for Special Finishes 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.

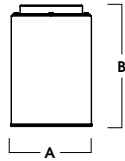
8" ROUND DIRECT

FOCUSED ILLUMINATION / FIXTURE OPTIONS



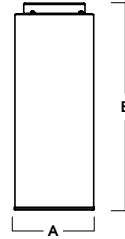
SERIES SIZES

C0812XT



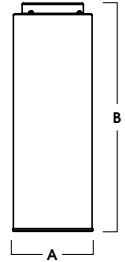
A	B
8.0	12.1
203.2 mm	307.3 mm

C0816XT



A	B
8.0	16.1
203.2 mm	408.9 mm

C0824XT



A	B
8.0	24.1
203.2 mm	612.1 mm

STANDARD FINISHES

MW
MATTE WHITE



MB
MATTE BLACK

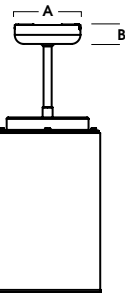


PT
PLATINUM SILVER



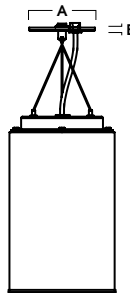
MOUNTING TYPES

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



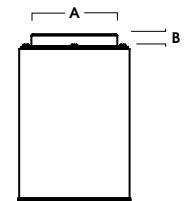
A	B
5.0	1.5
127.0 mm	38.1 mm

CD3X
CORD / CABLE MOUNT



A	B
5.0	.25
127.0 mm	6.4 mm

SM
SURFACE MOUNT



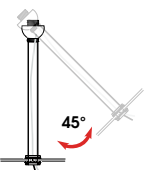
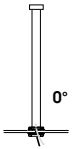
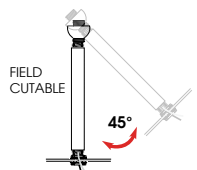
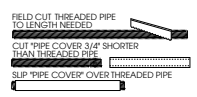

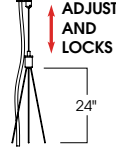
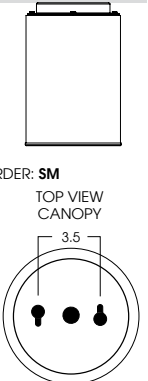
SERIES	A	B
C0812XT	6.2	1.2
C0816XT	6.2	1.1

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.



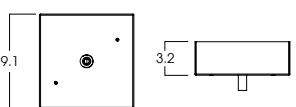
MOUNTING TYPES

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

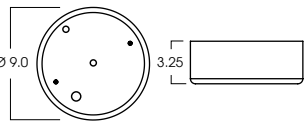
DMX OPTION

CGD - LARGE DRIVER CANOPY FOR DMX OPTIONS

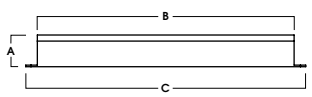
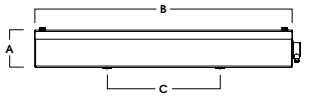


EMERGENCY BATTERY OPTIONS

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											

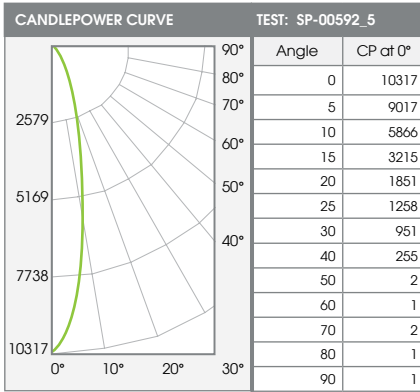
*OTHER EM BATTERY SIZES AVAILABLE. CONSULT FACTORY

8" ROUND DIRECT

FOCUSED ILLUMINATION / PHOTOMETRIC DATA



C08xxXT-30LxxK-NDEX-TSG-GL



ZONAL 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%

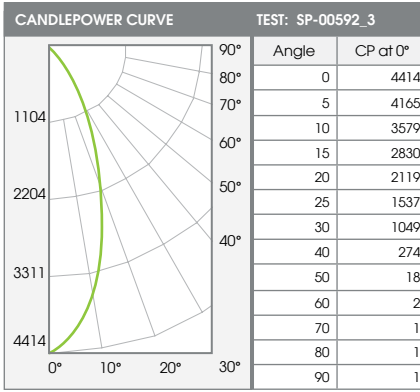
30L NARROW - 83 CRI

SINGLE UNIT: PERFORMANCE INITIAL FOOTCANDLES AND BEAM ANGLE DIAMETERS			
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



ZONAL 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%

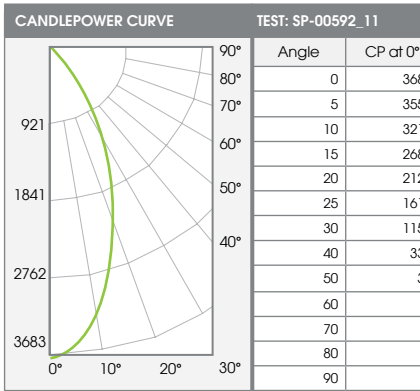
30L MEDIUM - 83 CRI

SINGLE UNIT: PERFORMANCE INITIAL FOOTCANDLES AND BEAM ANGLE DIAMETERS			
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



ZONAL 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

SINGLE UNIT: PERFORMANCE INITIAL FOOTCANDLES AND BEAM ANGLE DIAMETERS			
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

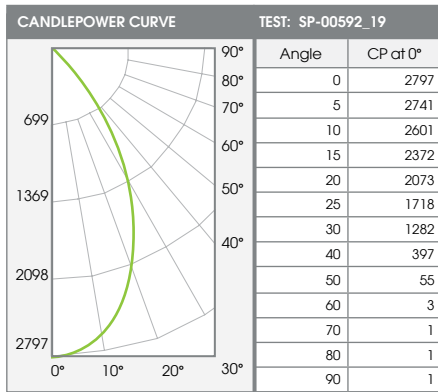
8" ROUND DIRECT

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

COLOR OPTIONS - POWDER COAT PAINT FINISHES

NOTE: NO PRINTED IMAGE CAN EQUAL THE EXACT COLOR OF FINISH ON METAL.
SEE INDIVIDUAL SPECIFICATION SHEETS OR CONSULT FACTORY FOR ADDITIONAL INFORMATION.



STANDARD CORD / STEM / CANOPY FINISHES

FIXTURE COLOR	STANDARD CORD COLOR	STANDARD CANOPY / STEM COLOR
Matte White, Textured White	Matte White	Matte White
Gloss White	Matte White	Gloss White
Matte Black, Textured Black	Matte Black	Matte Black
All Others	Matte Black	Same Color as Fixture
Custom Color	Contact Factory	Contact Factory

PAINT TIMES

TIER	COST	AVERAGE PAINT TIME*
Tier 1 - Standard Finishes	\$	⌚
Tier 2 - Typical Finishes	\$\$	⌚⌚
Custom Color	Contact Factory	Contact Factory

*CONTACT FACTORY FOR SPECIFIC PRODUCT LEAD TIMES

TIER 1 - STANDARD FINISHES



TIER 2 - TYPICAL FINISHES



CUSTOM COLOR FINISHES

CONTACT FACTORY

CC
Custom Color



*UNAVAILABLE FOR WET LOCATION