

# 8" ROUND DIRECT / INDIRECT FOCUSED ILLUMINATION



## C0812UDXT, C0818UDXT, C0824UDXT 2 CABLE MOUNT WITH CORD

### APPLICATION

8" round x 12", 18" or 24" high 8" diameter cylinder luminaire for direct / indirect 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. Interchangeable optics for job site flexibility and 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

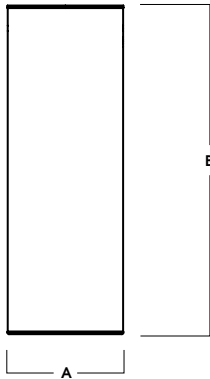
LED system features Xicato LED module with proprietary phosphor technology that provides consistent stable color with CCT control of +/- 100K over life of the light engine. Base CRI is 83 with 2-step MacAdam Ellipse binning. High CRI is 98 with 1 x 2-step MacAdam Ellipse binning. Variety of electronic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

### CONSTRUCTION

Fabricated seamless aluminum fixture housing, specular primary reflector provides high efficiency illumination. Stainless steel hardware with galvanized brackets to resist corrosion. Machined aluminum trims finished to specification.

### CODE COMPLIANCE

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



SERIES	A	B
C0812UDXT	8.0	12.0
C0818UDXT	8.0	18.0
C0824UDXT	8.0	24.0

Fixture Weight: 15.5 lbs

LUMENS / WATTAGE DATA				
PART NUMBER	SOURCE LUMENS	DELIVERED LUMENS <sup>2</sup>	SYSTEM WAITS <sup>3</sup>	LPW
C0824UDXT10Lx2	2000	1497	18.2	82
C0824UDXT13Lx2	2600	2017	26.0	78
C0824UDXT20Lx2	4000	3103	43.4	71

SERIES	UPLIGHT <sup>4</sup>		DOWNLIGHT		CCT		DRIVER / DIMMING <sup>6</sup>		TRIM	MOUNTING <sup>10</sup>		FINISH <sup>12</sup>							
C0812UDXT 8" x 12" Cylinder	10L	1000 Lm	XN <sup>5</sup>	11°	10L	1000 Lm	XN <sup>5</sup>	12°	27K	2700K	CD2X <sup>11</sup>	2 Cable Mount with Cord	MW <sup>13</sup> Matte White MB <sup>13</sup> Matte Black PT <sup>13</sup> Platinum Silver TW Textured White TB Textured Black MT Textured Silver BZ Bronze CH Charcoal GH Graphite AC Champagne SN Sun Gold BR Brecchia Rust AN Anodic Natural CO Copper Metallic CC Custom Color						
		1300 Lm				ND								23°	13L	1300 Lm	ND	22°	30K
C0818UDXT 8" x 18" Cylinder	20L	2000 Lm	MD	37°	20L	2000 Lm	MD	39°	35K	3500K	TSG	Semi Diffuse Low Iridescent Clear	EMCR	7W Canopy Mounted EM					
		1300 Lm				ND									22°	30K	3000K	EMRM	7W Remote EM
C0824UDXT 8" x 24" Cylinder	20L	2000 Lm	XW	58°	20L	2000 Lm	XW	57°	40K	4000K	TCC	Custom Color	EMEN	7W Remote with Enclosure					
		1300 Lm				ND									22°	30K	3000K	LENS	EMERGENCE BATTERY OPTIONS
		1000 Lm				XN <sup>5</sup>									11°	27K	2700K		
		2700K				27HK									2700K	98 CRI	27HK	2700K	

**EXAMPLE:** C0824UDXT20LMD20LMD35KEXTSGSOCD2X72MW

**NOTES:**  
 1 Nominal Source Lumens at Any CCT 2 Nominal Delivered Lumens at 83 CRI at Any CCT with WD-GL, WD-TSG-SO 3 At 83 CRI 4 1/4" Clear Glass Only 5 13L Max/XN not Available with 98 CRI Option 6 Contact Factory for Additional Options 7 Not Available for Uplight 8 Standard Lens for XN, ND 9 Standard Lens for MD, WD, XW 10 See Mounting Page for Details on Components and Finishes 11 Specify Length in Inches: See Mounting Page for Available Lengths 12 See Color Page for More Options/Consult Factory for Special Finishes 13 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.

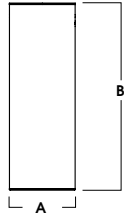
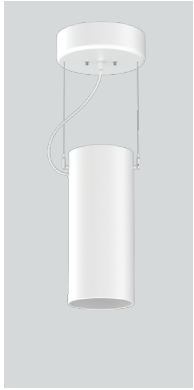
# 8" ROUND DIRECT / INDIRECT

## FOCUSED ILLUMINATION / FIXTURE OPTIONS



### SERIES SIZES

C0812UDXT



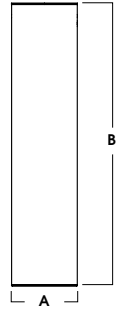
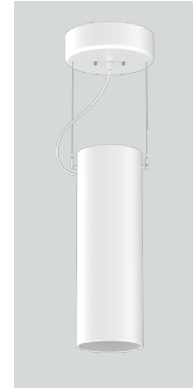
A	B
8.0	12.0
203.2 mm	304.8 mm

C0818UDXT



A	B
8.0	18.0
203.2 mm	457.2 mm

C0824UDXT



A	B
8.0	24.0
203.2 mm	609.6 mm

### STANDARD FINISHES

MW  
MATTE WHITE



MB  
MATTE BLACK

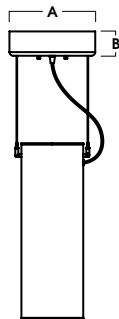
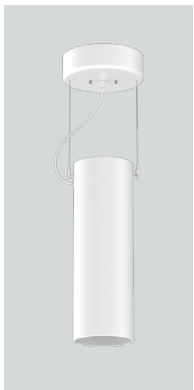


PT  
PLATINUM SILVER



### MOUNTING TYPES

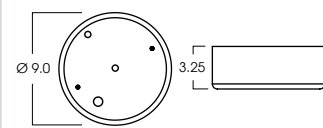
CD2X  
2 CABLE MOUNT WITH CORD



A	B
11.0	1.0
279.4 mm	25.4 mm

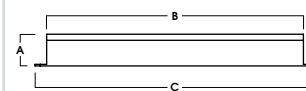
### EMERGENCY BATTERY OPTIONS

EMCR - LARGE DRIVER CANOPY FOR  
10W EMERGENCY BATTERY  
(FOR ROUND CEILING MOUNT TYPES)



### REMOTE EMERGENCY BATTERY OPTIONS

EMRM\* - 7W REMOTE EMERGENCY BATTERY  
(50' MAX)



A	B	C
1.3	12.6	13.0

EMEN\* - 7W REMOTE EMERGENCY BATTERY  
WITH ENCLOSURE (50' MAX)



A	B	C
2.0	17.0	6.2

\*OTHER EM BATTERY SIZES AVAILABLE. CONSULT FACTORY

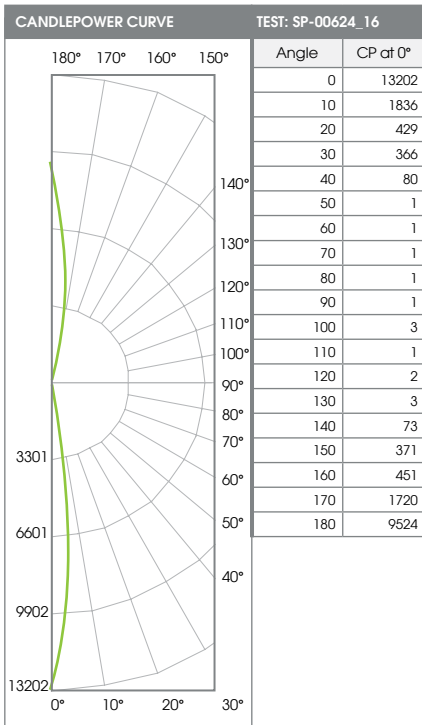
# 8" ROUND DIRECT / INDIRECT

## FOCUSED ILLUMINATION / PHOTOMETRIC DATA



C0824UDXT-13LXNGL-13LXN-xxKEX-TSG-GLxxx

20Lx2 XTRA NARROW - 83 CRI



ZONAL LUMENS		
0-20	807	39%
0-40	1138	55%
0-60	1154	55%
0-90	1157	56%
90-120	8	0%
90-150	170	8%
90-180	924	44%
Total Lumens	2081	100%

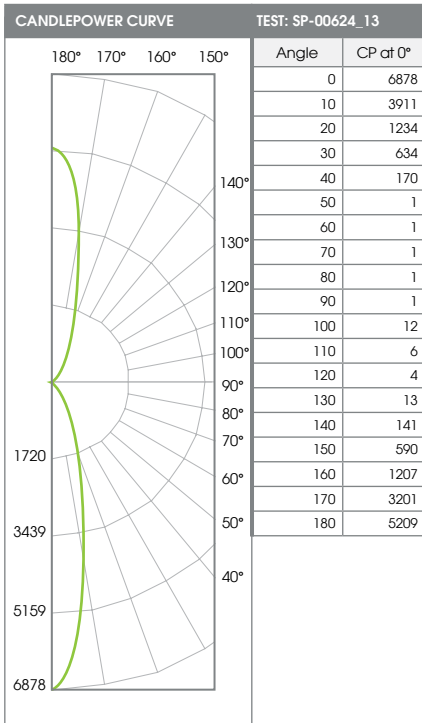
SINGLE UNIT: PERFORMANCE INITIAL FOOTCANDLES AND BEAM ANGLE DIAMETERS			
Mounting Height*	FC at Center	Diameter of Beam**	FC at Beam**
5.5'	436	1.1'	216
6.5'	312	1.3'	155
7.5'	235	1.5'	116
8.5'	183	1.7'	90
10.0'	132	2.0'	65
12.0'	92	2.4'	45
14.0'	67	2.8'	33
16.0'	52	3.2'	26

SINGLE UNIT: PERFORMANCE INITIAL FOOTCANDLES AND BEAM ANGLE DIAMETERS			
Mounting Distance*	FC at Center	Diameter of Beam**	FC at Beam**
4.0'	825	0.8'	409
5.0'	528	1.0'	261
6.0'	367	1.2'	182
8.0'	206	1.6'	102
10.0'	132	2.0'	65
12.0'	92	2.4'	45
14.0'	67	2.8'	33
16.0'	52	3.2'	26

Delivered Lumens: 2081      CP @ 0° (Nadir): 13202      Spacing Ratio: N/A  
 Luminaire Watts: 36.8      Direct Beam Angle: 11.5°      Output Multipliers: 10L x 0.48, 13L x 0.65  
 LER: 57      Indirect Beam Angle: 11.3°  
 CRI: 83

C0824UDXT-20LNDGL-20LND-xxKEX-TSG-GLxxx

20Lx2 NARROW - 83 CRI



ZONAL LUMENS		
0-20	1135	33%
0-40	1802	53%
0-60	1844	54%
0-90	1847	54%
90-120	30	1%
90-150	280	8%
90-180	1568	46%
Total Lumens	3414	100%

SINGLE UNIT: PERFORMANCE INITIAL FOOTCANDLES AND BEAM ANGLE DIAMETERS			
Mounting Height*	FC at Center	Diameter of Beam**	FC at Beam**
5.5'	227	2.0'	110
6.5'	163	2.4'	79
7.5'	122	2.8'	59
8.5'	95	3.1'	46
10.0'	69	3.7'	33
12.0'	48	4.4'	23
14.0'	35	5.2'	17
16.0'	27	5.9'	13

SINGLE UNIT: PERFORMANCE INITIAL FOOTCANDLES AND BEAM ANGLE DIAMETERS			
Mounting Distance*	FC at Center	Diameter of Beam**	FC at Beam**
4.0'	430	1.6'	206
5.0'	275	2.0'	132
6.0'	191	2.5'	92
8.0'	107	3.3'	52
10.0'	69	4.1'	33
12.0'	48	4.9'	23
14.0'	35	5.7'	17
16.0'	27	6.5'	13

Delivered Lumens: 3414      CP @ 0° (Nadir): 6878      Spacing Ratio: N/A  
 Luminaire Watts: 43.4      Direct Beam Angle: 20.9°      Output Multipliers: 10L x 0.48, 13L x 0.65  
 LER: 79      Indirect Beam Angle: 23.1°  
 CRI: 83

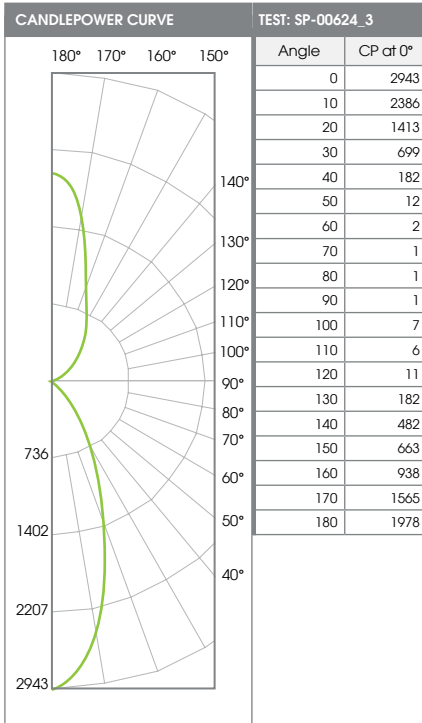
# 8" ROUND DIRECT / INDIRECT

## FOCUSED ILLUMINATION / PHOTOMETRIC DATA



### C0824UDXT-20LMDGL-20LMD-xxKEX-TSG-Soxxx

### 20Lx2 MEDIUM - 83 CRI



ZONAL LUMENS		
0-20	773	25%
0-40	1503	48%
0-60	1564	50%
0-90	1567	51%
90-120	18	1%
90-150	675	22%
90-180	1534	49%
Total Lumens	3101	100%

SINGLE UNIT: PERFORMANCE INITIAL FOOTCANDLES AND BEAM ANGLE DIAMETERS			
Mounting Height*	FC at Center	Diameter of Beam**	FC at Beam**
5.5'	97	4.0'	43
6.5'	70	4.7'	31
7.5'	52	5.4'	23
8.5'	41	6.1'	18
10.0'	29	7.2'	13
12.0'	20	8.6'	9
14.0'	15	10.1'	7
16.0'	11	11.5'	5

SINGLE UNIT: PERFORMANCE INITIAL FOOTCANDLES AND BEAM ANGLE DIAMETERS			
Mounting Distance*	FC at Center	Diameter of Beam**	FC at Beam**
4.0'	184	2.6'	83
5.0'	118	3.3'	53
6.0'	82	4.0'	37
8.0'	46	5.3'	21
10.0'	29	6.6'	13
12.0'	20	7.9'	9
14.0'	15	9.3'	7
16.0'	11	10.6'	5

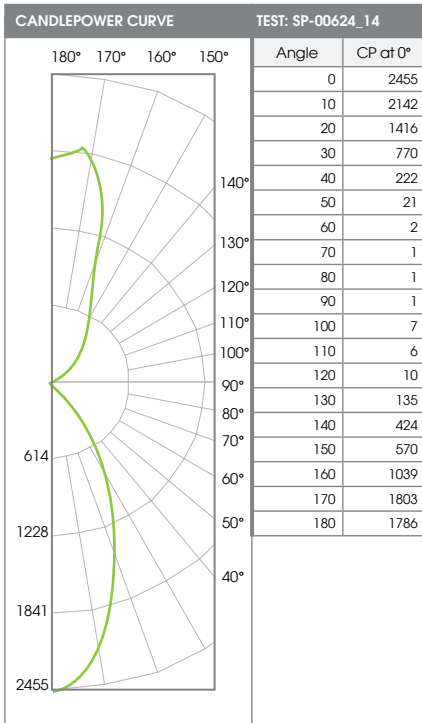
Delivered Lumens: 3101  
Luminaire Watts: 43.4  
LER: 71

CP @ 0° (Nadir): 2943  
Direct Beam Angle: 39.6°  
Indirect Beam Angle: 36.6°  
CRI: 83

Spacing Ratio: N/A  
Output Multipliers: 10L x 0.48, 13L x 0.65

### C0824UDXT-20LWDGL-20LWD-xxKEX-TSG-Soxxx

### 20Lx2 WIDE - 83 CRI



ZONAL LUMENS		
0-20	712	23%
0-40	1501	48%
0-60	1578	51%
0-90	1581	51%
90-120	18	1%
90-150	599	19%
90-180	1522	49%
Total Lumens	3103	100%

SINGLE UNIT: PERFORMANCE INITIAL FOOTCANDLES AND BEAM ANGLE DIAMETERS			
Mounting Height*	FC at Center	Diameter of Beam**	FC at Beam**
5.5'	81	4.7'	34
6.5'	58	5.5'	25
7.5'	44	6.4'	18
8.5'	34	7.2'	14
10.0'	25	8.5'	10
12.0'	17	10.2'	7
14.0'	13	11.9'	5
16.0'	10	13.6'	4

SINGLE UNIT: PERFORMANCE INITIAL FOOTCANDLES AND BEAM ANGLE DIAMETERS			
Mounting Distance*	FC at Center	Diameter of Beam**	FC at Beam**
4.0'	153	3.1'	67
5.0'	98	3.8'	43
6.0'	68	4.6'	30
8.0'	38	6.2'	17
10.0'	25	7.7'	11
12.0'	17	9.2'	7
14.0'	13	10.8'	5
16.0'	10	12.3'	4

Delivered Lumens: 3103  
Luminaire Watts: 43.4  
LER: 71

CP @ 0° (Nadir): 2455  
Direct Beam Angle: 46.0°  
Indirect Beam Angle: 42.1°  
CRI: 83

Spacing Ratio: N/A  
Output Multipliers: 10L x 0.48, 13L x 0.65

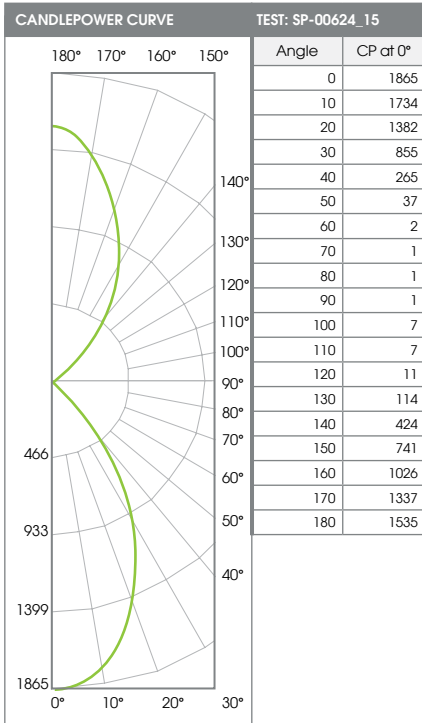
# 8" ROUND DIRECT / INDIRECT

## FOCUSED ILLUMINATION / PHOTOMETRIC DATA



C0824UDXT-20LXWGL-20LXW-xxKEX-TSG-Soxxx

20Lx2 XTRA NARROW - 83 CRI



Angle	CP at 0°
0	1865
10	1734
20	1382
30	855
40	265
50	37
60	2
70	1
80	1
90	1
100	7
110	7
120	1
130	1
140	2
150	37
160	265
170	855
180	1865

ZONAL LUMENS		
0-20	611	20%
0-40	1483	48%
0-60	1594	52%
0-90	1597	52%
90-120	19	1%
90-150	612	20%
90-180	1479	48%
Total Lumens	3076	100%

SINGLE UNIT: PERFORMANCE INITIAL FOOTCANDLES AND BEAM ANGLE DIAMETERS			
Mounting Height*	FC at Center	Diameter of Beam**	FC at Beam**
5.5'	62	6.2'	23
6.5'	44	7.3'	17
7.5'	33	8.4'	13
8.5'	26	9.6'	10
10.0'	19	11.2'	7
12.0'	13	13.5'	5
14.0'	10	15.7'	4
16.0'	7	18.0'	3

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

SINGLE UNIT: PERFORMANCE INITIAL FOOTCANDLES AND BEAM ANGLE DIAMETERS			
Mounting Distance*	FC at Center	Diameter of Beam**	FC at Beam**
4.0'	117	4.4'	45
5.0'	75	5.6'	29
6.0'	52	6.7'	20
8.0'	29	8.9'	11
10.0'	19	11.1'	7
12.0'	13	13.3'	5
14.0'	10	15.6'	4
16.0'	7	17.8'	3

\* From top of fixture to horizontal surface above.  
\*\* At IESNA defined Beam Angle, to 50% Max. CP.

Delivered Lumens: 3076      CP @ 0° (Nadir): 1865      Spacing Ratio: N/A  
 Luminaire Watts: 43.4      Direct Beam Angle: 58.7°      Output Multipliers: 10L x 0.48, 13L x 0.65  
 LER: 71      Indirect Beam Angle: 58.1°  
 CRI: 83