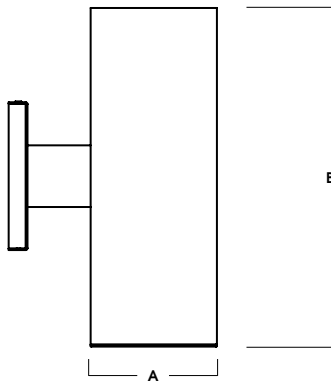


# 4" SQUARE DIRECT

## FOCUSED ILLUMINATION



A	B
4.5 114.3 mm	12.0 304.8 mm

Fixture Weight: 8.8 lbs

### C0412SQXT - WALL MOUNT

#### APPLICATION

4" square x 12" high cylinder luminaire designed for focused 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. Integral LED driver. Quick change LED module with 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. Cylinder housing and trim are same finish.

#### 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. Die-cast aluminum trim.

#### 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.

LUMENS / WATTAGE DATA				
PART NUMBER	SOURCE LUMENS <sup>1</sup>	DELIVERED LUMENS <sup>2</sup>	SYSTEM WATTS	LPW
C0412SQXT7L	720	438	5.6	78
C0412SQXT10L	965	584	8.3	70
C0412SQXT13L	1300	790	11.9	66
C0412SQXT20L	2000	1216	19	64

SERIES	LUMENS <sup>1</sup>	CCT	OPTICS	DRIVER / VOLTAGE <sup>4</sup>	OPTIONS <sup>5</sup>	MOUNTING <sup>3</sup>	FINISH <sup>9</sup>
C0412SQXT	7L 700 Lm	83 CRI	XN <sup>3</sup> 14°	EX Electronic Driver, 120V/277V	FS Fuse Holder and Fuse CR Corrosion Resistant	WM3 Wall Mount 3" Extension	MW <sup>10</sup> Matte White MB <sup>10</sup> Matte Black PT <sup>10</sup> Platinum Silver CC Custom Color
	10L 1000 Lm	27K 2700K	ND 23°	DS10X 10%, 0-10V, 120V/277V			
	13L 1300 Lm	30K 3000K	MD 38°	DO10X 1%, 0-10V, 120V/277V			
	20L 2000 Lm	35K 3500K	WD 47°	DS2W1 ELV/MLV, 120V			
		40K 4000K	XW 54°				
		98 CRI					
		27HK 2700K					
		30HK 3000K					
		35HK 3500K					
		40HK 4000K					
					LENS	EMERGENCY BATTERY OPTIONS	See Page 5 for Full Range of Color Options (83-90095)
					NL No Lens GL <sup>6</sup> Clear Glass Lens SO <sup>7</sup> Micro Prism Solite™ Lens	EMRM 7W Remote EM EMEN 7W Remote with Enclosure	

**EXAMPLE:** C0412SQXT20L35KXWEX/SO/WM3/MW

#### NOTES:

1 Nominal Source Lumens at Any CCT 2 Nominal Delivered Lumens at 83 CRI at Any CCT with MD-SO-MW 3 13L Max/XN not Available with 7L or 98 CRI Option 4 Contact Factory for Additional Options 5 See Product Options Page for Details 6 Standard Lens for XN, ND 7 Standard Lens for MD, WD, XW 8 See Mounting Page for Details on Components and Finishes 9 See Color Page for More Options/Consult Factory for Special Finishes 10 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.

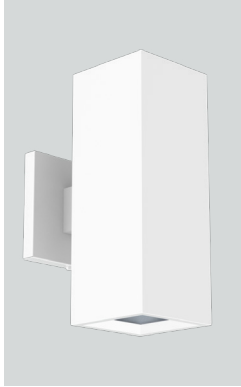
# 4" SQUARE DIRECT

FOCUSED ILLUMINATION / FIXTURE OPTIONS

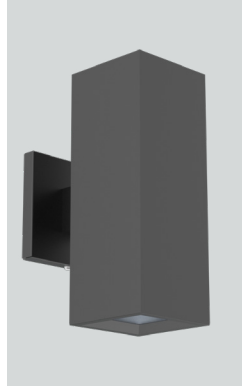


## STANDARD FINISHES

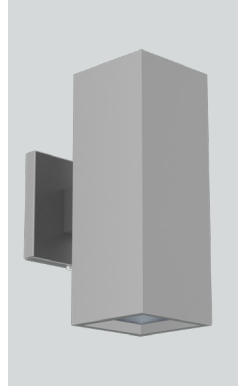
**MW**  
MATTE WHITE



**MB**  
MATTE BLACK

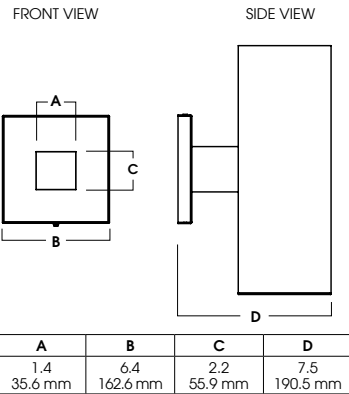
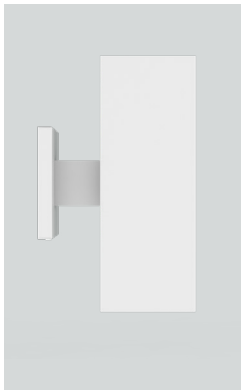


**PT**  
PLATINUM SILVER

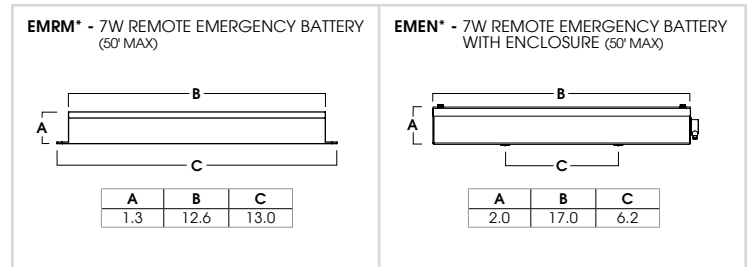


## WALL MOUNT DETAIL

**WM3**  
WALL MOUNT 3" EXTENSION



## EMERGENCY BATTERY OPTIONS



\*OTHER EM BATTERY SIZES AVAILABLE. CONSULT FACTORY

# 4" SQUARE DIRECT

## FOCUSED ILLUMINATION / PHOTOMETRIC DATA



C0412SQXT-13L-xxK-XN-EX-GL-xx-MW

CANDLEPOWER CURVE TEST SP-00628_3	INTENSITY CANDELA 0° AZIMUTH	ZONAL LUMENS	SINGLE UNIT: PERFORMANCE DIRECT FOOTCANDLES BASED ON DOWNLIGHT ONLY				MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES INITIAL FOOTCANDLES AND WATTS PER SQUARE FOOT					
			Mounting Height AFF	FC at Center on Floor	Beam Diameter	FC at Beam Edge	Ceiling Height	Fixture Spacing	RCR 6		RCR 8	
	0°	0° - 10° 581 50%	8'	206 fc	1.8'	101 fc	18'	3'	106	1.90	130	2.47
	0°	0° - 20° 872 74%	10'	132 fc	2.2'	65 fc	22'	4''	63	1.13	54	1.02
	5°	0° - 30° 1095 93%	12'	92 fc	2.7'	45 fc	26'	5'''	42	0.75	36	0.67
	15°	0° - 40° 1155 99%	14'	67 fc	3.1'	33 fc	Delivered Illuminance Rating: (DIR)		56 FC per W/Sq. Ft.		53 FC per W/Sq. Ft.	
	25°	0° - 60° 1164 99%	16'	52 fc	3.6'	25 fc	2' Suspension Length to luminous aperture Square rooms used for multiple units: RCR 6: Length & Width = Ceiling Ht. - 4.5' x 1.66 RCR 8: Length & Width = Ceiling Ht. - 4.5' x 1.25					
	35°	0° - 80° 1169 100%	20'	33 fc	4.5'	16 fc	+ Average Footcandles at 2.5' Above Floor					
	45°	0° - 90° 1171 100%	24'	23 fc	5.4'	11 fc	* Exceeds Spacing Ratio by 1%					
	55°	0° - 90° 1171 100%	28'	17 fc	6.3'	8 fc	** Exceeds Spacing Ratio by 4%					
	90°	Total 1171 100%										
	+ Exceeds Spacing Ratio by 6%											

Delivered Lumens: 1171  
Luminaire Watts: 19.5  
LER: 60.05

CP at 0° (Nadir): 13204  
CRI: 80+

Beam Angle: 13°  
Spacing Ratio: 0.22

Lumen Multiplier: 10L x 0.74  
CCT Multiplier: Same for all available CCT's

C0412SQXT-20L-xxK-ND-EX-GL-xx-MW

CANDLEPOWER CURVE TEST SP-00628_9_M-20L	INTENSITY CANDELA 0° AZIMUTH	ZONAL LUMENS	SINGLE UNIT: PERFORMANCE DIRECT FOOTCANDLES BASED ON DOWNLIGHT ONLY				MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES INITIAL FOOTCANDLES AND WATTS PER SQUARE FOOT					
			Mounting Height AFF	FC at Center on Floor	Beam Diameter	FC at Beam Edge	Ceiling Height	Fixture Spacing	RCR 4		RCR 6	
	0°	0° - 10° 428 30%	8'	90 fc	3.2'	42 fc	15'	4'	97	1.35	66	1.00
	0°	0° - 20° 961 67%	10'	58 fc	4.1'	27 fc	18'	5'	59	0.82	40	0.61
	5°	0° - 30° 1287 90%	12'	40 fc	4.9'	19 fc	22'	6'	35	0.49	37	0.56
	15°	0° - 40° 1387 97%	14'	29 fc	5.7'	14 fc	Delivered Illuminance Rating: (DIR)		72 FC per W/Sq. Ft.		66 FC per W/Sq. Ft.	
	25°	0° - 60° 1422 99%	16'	23 fc	6.5'	11 fc	2' Suspension Length to luminous aperture Square rooms used for multiple units: RCR 4: Length & Width = Ceiling Ht. - 4.5' x 2.50 RCR 6: Length & Width = Ceiling Ht. - 4.5' x 1.66					
	35°	0° - 80° 1432 100%	20'	14 fc	8.1'	7 fc	+ Average Footcandles at 2.5' Above Floor					
	45°	0° - 90° 1437 100%	24'	10 fc	9.7'	5 fc	* Exceeds Spacing Ratio by 0%					
	55°	0° - 90° 1437 100%	28'	7 fc	11.3'	3 fc						
	90°	Total 1437 100%										

Delivered Lumens: 1437  
Luminaire Watts: 19  
LER: 75.63

CP at 0° (Nadir): 5763  
CRI: 80+

Beam Angle: 23°  
Spacing Ratio: 0.38

Lumen Multiplier: 7L x 0.36, 10L x 0.48, 13L x 0.65  
CCT Multiplier: Same for all available CCT's

C0412SQXT-20L-xxK-MD-EX-SO-xx-MW

CANDLEPOWER CURVE TEST SP-00628_8_M-20L	INTENSITY CANDELA 0° AZIMUTH	ZONAL LUMENS	SINGLE UNIT: PERFORMANCE DIRECT FOOTCANDLES BASED ON DOWNLIGHT ONLY				MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES INITIAL FOOTCANDLES AND WATTS PER SQUARE FOOT					
			Mounting Height AFF	FC at Center on Floor	Beam Diameter	FC at Beam Edge	Ceiling Height	Fixture Spacing	RCR 3		RCR 5	
	0°	0° - 10° 224 18%	8'	39 fc	5.5'	16 fc	15'	5'	47	0.76	38	0.69
	0°	0° - 20° 658 54%	10'	25 fc	6.9'	10 fc	18'	6'	29	0.46	23	0.42
	5°	0° - 30° 1021 84%	12'	17 fc	8.3'	7 fc	22'	8'	17	0.27	14	0.25
	15°	0° - 40° 1161 95%	14'	13 fc	9.7'	5 fc	Delivered Illuminance Rating: (DIR)		62 FC per W/Sq. Ft.		56 FC per W/Sq. Ft.	
	25°	0° - 60° 1202 99%	16'	10 fc	11.0'	4 fc	2' Suspension Length to luminous aperture Square rooms used for multiple units: RCR 3: Length & Width = Ceiling Ht. - 4.5' x 3.33 RCR 5: Length & Width = Ceiling Ht. - 4.5' x 2.00					
	35°	0° - 80° 1211 100%	20'	6 fc	13.8'	3 fc	+ Average Footcandles at 2.5' Above Floor					
	45°	0° - 90° 1215 100%	24'	4 fc	16.6'	2 fc						
	55°	0° - 90° 1215 100%	28'	3 fc	19.3'	1 fc						
	90°	Total 1216 100%										

Delivered Lumens: 1216  
Luminaire Watts: 19  
LER: 64.00

CP at 0° (Nadir): 2472  
CRI: 80+

Beam Angle: 38°  
Spacing Ratio: 0.60

Lumen Multiplier: 7L x 0.36, 10L x 0.48, 13L x 0.65  
CCT Multiplier: Same for all available CCT's

# 4" SQUARE DIRECT

## FOCUSED ILLUMINATION / PHOTOMETRIC DATA



C0412SQXT-20L-xxK-WD-EX-SO-xx-MW

CANDLEPOWER CURVE TEST SP-00628_14_M-20L	INTENSITY CANDELA 0° AZIMUTH	ZONAL LUMENS	SINGLE UNIT: PERFORMANCE DIRECT FOOTCANDLES BASED ON DOWNLIGHT ONLY				MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES INITIAL FOOTCANDLES AND WATTS PER SQUARE FOOT								
			Mounting Height AFF	FC at Center on Floor	Beam Diameter	FC at Beam Edge	Ceiling Height	Fixture Spacing	RCR 3		RCR 5				
	0°	2051	0° - 10°	195	15%	8'	32 fc	6.7'	13 fc	15'	5'	49	0.76	40	0.69
	5°	2002	0° - 20°	630	49%	10'	21 fc	8.3'	8 fc	18'	6'	30	0.46	24	0.42
	15°	1597	0° - 30°	1036	81%	12'	14 fc	10.0'	6 fc	22'	8'	18	0.27	14	0.25
	25°	815	0° - 40°	1204	94%	14'	10 fc	11.6'	4 fc	Delivered Illuminance Rating: (DIR)		65 FC per W/Sq. Ft.		58 FC per W/Sq. Ft.	
	35°	164	0° - 60°	1262	99%	16'	8 fc	13.3'	3 fc	2' Suspension Length to luminous aperture Square rooms used for multiple units: RCR 3: Length & Width = Ceiling Ht. - 4.5' x 3.33 RCR 5: Length & Width = Ceiling Ht. - 4.5' x 2.00 * Average Footcandles at 2.5' Above Floor					
	45°	42	0° - 80°	1274	100%	20'	5 fc	16.6'	2 fc						
	55°	15	0° - 90°	1278	100%	24'	4 fc	20.0'	1 fc						
	90°	0	Total	1279	100%	28'	3 fc	23.3'	1 fc						

Delivered Lumens: 1279  
Luminaire Watts: 19  
LER: 67.32

CP at 0° (Nadir): 2051  
CRI: 80+

Beam Angle: 45°  
Spacing Ratio: 0.73

Lumen Multiplier: 7L x 0.36, 10L x 0.48, 13L x 0.65  
CCT Multiplier: Same for all available CCT's

C0412SQXT-20L-xxK-XW-EX-SO-xx-MW

CANDLEPOWER CURVE TEST SP-00628_2_M-20L	INTENSITY CANDELA 0° AZIMUTH	ZONAL LUMENS	SINGLE UNIT: PERFORMANCE DIRECT FOOTCANDLES BASED ON DOWNLIGHT ONLY				MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES INITIAL FOOTCANDLES AND WATTS PER SQUARE FOOT								
			Mounting Height AFF	FC at Center on Floor	Beam Diameter	FC at Beam Edge	Ceiling Height	Fixture Spacing	RCR 2		RCR 4				
	0°	1501	0° - 10°	152	11%	6'	42 fc	6.1'	15 fc	12'	6'	35	0.49	30	0.49
	5°	1511	0° - 20°	553	41%	8'	23 fc	8.1'	8 fc	15'	8'	18	0.25	16	0.25
	15°	1430	0° - 30°	1003	74%	10'	15 fc	10.2'	5 fc	18'	10'	15	0.20	9	0.15
	25°	869	0° - 40°	1227	91%	12'	10 fc	12.2'	4 fc	Delivered Illuminance Rating: (DIR)		71 FC per W/Sq. Ft.		63 FC per W/Sq. Ft.	
	35°	233	0° - 60°	1327	98%	14'	8 fc	14.2'	3 fc	2' Suspension Length to luminous aperture Square rooms used for multiple units: RCR 2: Length & Width = Ceiling Ht. - 4.5' x 5.00 RCR 4: Length & Width = Ceiling Ht. - 4.5' x 2.50 * Average Footcandles at 2.5' Above Floor					
	45°	66	0° - 80°	1343	100%	16'	6 fc	16.3'	2 fc						
	55°	23	0° - 90°	1347	100%	20'	4 fc	20.3'	1 fc						
	90°	0	Total	1348	100%	24'	3 fc	24.4'	1 fc						

Delivered Lumens: 1348  
Luminaire Watts: 19  
LER: 70.95

CP at 0° (Nadir): 1501  
CRI: 80+

Beam Angle: 53°  
Spacing Ratio: 0.87

Lumen Multiplier: 7L x 0.36, 10L x 0.48, 13L x 0.65  
CCT Multiplier: Same for all available CCT's

# 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

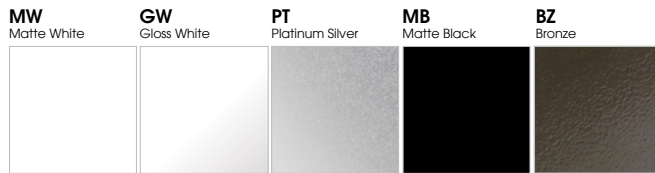
FIXTURE COLOR	STANDARD CORD COLOR	STANDARD CANOPY / STEM COLOR
Matte White, Textured White	Matte White	Matte White
Gloss White	Matte White	Gloss White
Matte Black, Textured Black	Matte Black	Matte Black
All Others	Matte Black	Same Color as Fixture
Custom Color	Contact Factory	Contact Factory

## PAINT TIMES

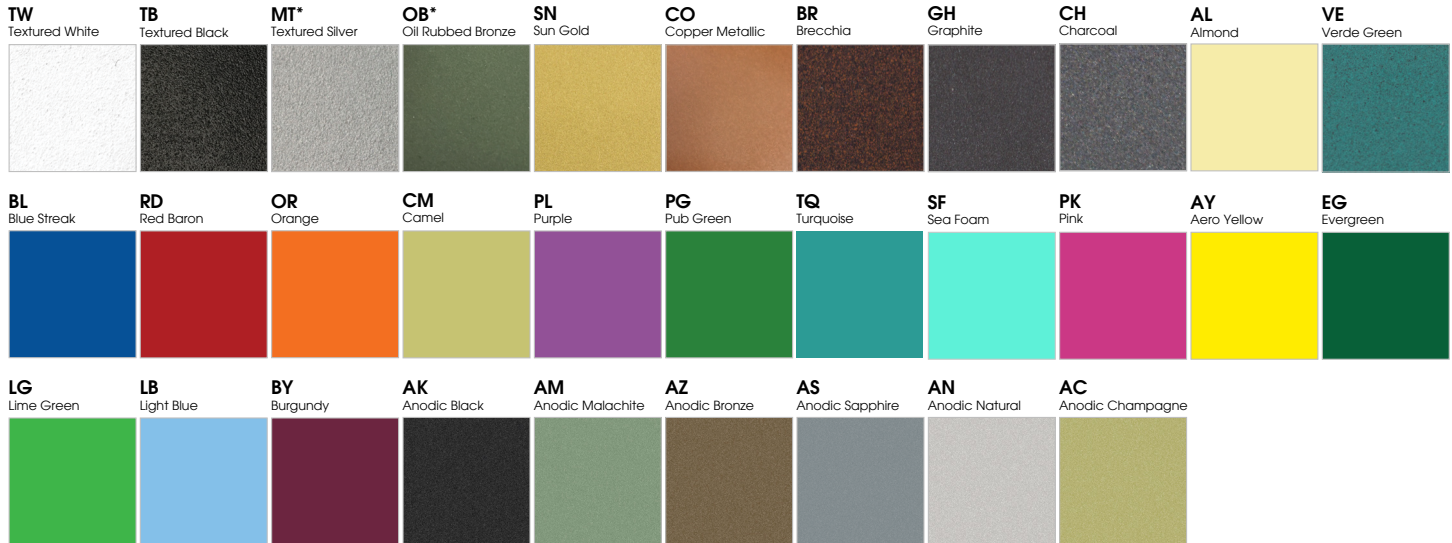
TIER	COST	AVERAGE PAINT TIME*
Tier 1 - Standard Finishes	\$	⌚
Tier 2 - Typical Finishes	\$\$	⌚⌚
Custom Color	Contact Factory	Contact Factory

\*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