



# 4" ROUND DIRECT PRO-FORM SERIES



## C0412XT - WALL MOUNT

### APPLICATION

4" round x 12" high cylinder luminaire designed for high output focused illumination.

### FEATURES

Spectrum's Cylinder series provides contemporary 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.

### ELECTRONICS

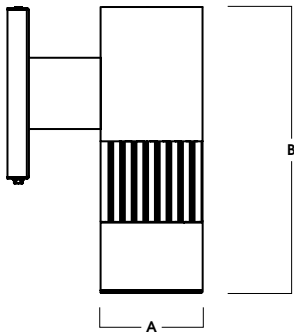
LED system features Xicato LED module with proprietary phosphor technology that provides consistent stable color with CCT control of +/- 100K over life of the light engine. Base CRI is 83 with 2-step MacAdam Ellipse binning. High CRI is 98 with 1 x 2-step MacAdam Ellipse binning. Variety of electronic 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 bezel. Passive aluminum integral heat sink.

### 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.



A	B
4.0	11.25
101.6 mm	285.8 mm

Fixture Weight: 8.5 lbs

LUMENS / WATTAGE DATA				
PART NUMBER	SOURCE LUMENS <sup>1</sup>	DELIVERED LUMENS <sup>2</sup>	SYSTEM WATTS <sup>3</sup>	LPW
C0412XT10L	1000	698	9.1	77
C0412XT13L	1300	941	13.0	72
C0412XT20L	2000	1448	21.7	67
C0412XT30L	3000	2171	32.6	67
C0412XT40L	4000	2787	37.9	74

SERIES	LUMENS <sup>1</sup>	CCT	OPTICS	DRIVER / DIMMING <sup>4</sup>	OPTIONS <sup>5</sup>	MOUNTING <sup>8</sup>	FINISH <sup>9</sup>	
C0412XT	10L	1000 Lm	83 CRI	ND 17°	EX Electronic Driver, 120V/277V	WM3 Wall Mount 3" Extension	MW <sup>10</sup> Matte White	
	13L	1300 Lm	27K 2700K	MD 27°	DS10X 10%, 0-10V, 120V/277V		MB <sup>10</sup> Matte Black	
	20L	2000 Lm	30K 3000K	WD 37°	DO10X 1%, 0-10V, 120V/277V		PT <sup>10</sup> Platinum Silver	
	30L	3000 Lm	35K 3500K	XW 54°	DS2W1 ELV/MLV, 120V		CC Custom Color	
	40L	4000 Lm	40K 4000K					
			98 CRI					
			27HK 2700K				NL No Lens	See Page 5 for Full Range of Color Options (83-90095)
			30HK 3000K				GL <sup>6</sup> Clear Glass Lens	
			35HK 3500K				SO <sup>7</sup> Micro Prism Solite™ Lens	
			40HK 4000K					
						EMRM 7W Remote EM		
						EMEN 7W Remote with Enclosure		

EXAMPLE: C0412XT20L35KWDEX/SO/WM3/MW

NOTES:  
 1 Nominal Source Lumens at Any CCT 2 Nominal Delivered Lumens at 83 CRI at Any CCT with MD-BB-NL-MW 3 At 83 CRI 4 Contact Factory for Additional Options 5 See Product Options Page for Details 6 Standard Lens for 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: \_\_\_\_\_



# 4" ROUND DIRECT

PRO-FORM SERIES / FIXTURE OPTIONS



## STANDARD FINISHES

**MW**  
MATTE WHITE



**MB**  
MATTE BLACK

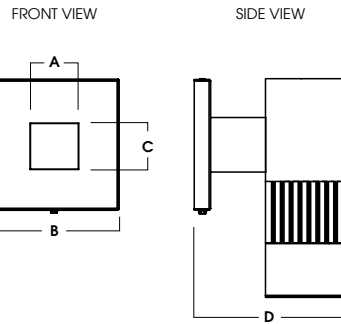


**PT**  
PLATINUM SILVER



## WALL MOUNT DETAIL

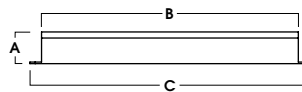
**WM3**  
WALL MOUNT 3" EXTENSION



A	B	C	D
1.4	6.4	2.2	7.0
35.6 mm	162.6 mm	55.9 mm	177.8 mm

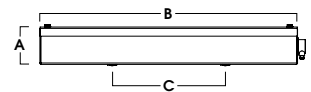
## EMERGENCY BATTERY OPTIONS

**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



# 4" ROUND DIRECT

## PRO-FORM SERIES / PHOTOMETRIC DATA



### C0412XT-40L-xxK-ND-EX-BB-xx-MW

CANDLEPOWER CURVE TEST SP-00567	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°	1,760	45%	8'	357 fc	2.5'	172 fc	18'	4'	114	1.11	108	1.12
	0°	0° - 20°	3,030	77%	10'	228 fc	3.2'	110 fc	21'	5'	105	1.03	73	0.76
	5°	0° - 30°	3,727	94%	12'	159 fc	3.8'	76 fc	24'	6'	76	0.74	83	0.86
	15°	0° - 40°	3,931	100%	14'	116 fc	4.4'	56 fc	Delivered Illuminance Rating: (DIR)					
	25°	0° - 60°	3,942	100%	16'	89 fc	5.1'	43 fc	103 FC per W/Sq. Ft.					
	35°	0° - 80°	3,947	100%	20'	57 fc	6.3'	28 fc	96 FC per W/Sq. Ft.					
	45°	Downlight	3,948	100%	24'	40 fc	7.6'	19 fc	1.5' Suspension Length to luminous aperture Square rooms used for multiple units: RCR 4: Length & Width = Ceiling Ht. - 4.0' x 2.50 RCR 6: Length & Width = Ceiling Ht. - 4.0' x 1.66 * Average Footcandles at 2.5' Above Floor					
	55°	Total	3,948	100%	28'	29 fc	8.9'	14 fc						
	90°													

Delivered Lumens: 3,948  
Luminaire Watts: 37.9  
LER: 104.17

CP at 0° (Nadir): 22,833  
CRI: 83

Beam Angle: 18°  
Spacing Ratio: 0.31

Lumen Multiplier: 10L x 0.25, 13L x 0.34, 20L x 0.52, 30L x 0.78  
CCT Multiplier: Same for all available CCTs

### C0412XT-40L-xxK-MD-EX-BB-xx-MW

CANDLEPOWER CURVE TEST SP-00567_4	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°	1,167	31%	8'	192 fc	3.8'	89 fc	15'	4'	109	1.12	70	0.77
	0°	0° - 20°	2,586	70%	10'	123 fc	4.7'	57 fc	18'	5'	90	0.92	75	0.83
	5°	0° - 30°	3,458	93%	12'	86 fc	5.7'	39 fc	21'	6'	79	0.80	79	0.87
	15°	0° - 40°	3,678	99%	14'	63 fc	6.6'	29 fc	Delivered Illuminance Rating: (DIR)					
	25°	0° - 60°	3,701	100%	16'	48 fc	7.6'	22 fc	98 FC per W/Sq. Ft.					
	35°	0° - 80°	3,709	100%	20'	31 fc	9.5'	14 fc	90 FC per W/Sq. Ft.					
	45°	Downlight	3,711	100%	24'	21 fc	11.4'	10 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					
	55°	Total	3,711	100%	28'	16 fc	13.3'	7 fc						
	90°													

Delivered Lumens: 3,711  
Luminaire Watts: 37.9  
LER: 97.92

CP at 0° (Nadir): 12,317  
CRI: 83

Beam Angle: 27°  
Spacing Ratio: 0.44

Lumen Multiplier: 10L x 0.25, 13L x 0.34, 20L x 0.52, 30L x 0.78  
CCT Multiplier: Same for all available CCTs

### C0412XT-40L-xxK-WD-EX-BB-xx-MW

CANDLEPOWER CURVE TEST SP-00567_8	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°	886	24%	8'	131 fc	5.4'	56 fc	15'	6'	75	0.78	68	0.77
	0°	0° - 20°	2,345	63%	10'	84 fc	6.7'	36 fc	18'	8'	45	0.47	41	0.47
	5°	0° - 30°	3,404	92%	12'	58 fc	8.1'	25 fc	21'	10'	30	0.31	28	0.31
	15°	0° - 40°	3,674	99%	14'	43 fc	9.4'	18 fc	Delivered Illuminance Rating: (DIR)					
	25°	0° - 60°	3,693	100%	16'	33 fc	10.8'	14 fc	97 FC per W/Sq. Ft.					
	35°	0° - 80°	3,699	100%	20'	21 fc	13.5'	9 fc	88 FC per W/Sq. Ft.					
	45°	Downlight	3,700	100%	24'	15 fc	16.2'	6 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					
	55°	Total	3,700	100%	28'	11 fc	18.9'	5 fc						
	90°													

Delivered Lumens: 3,700  
Luminaire Watts: 37.9  
LER: 97.63

CP at 0° (Nadir): 8,408  
CRI: 83

Beam Angle: 37°  
Spacing Ratio: 0.60

Lumen Multiplier: 10L x 0.25, 13L x 0.34, 20L x 0.52, 30L x 0.78  
CCT Multiplier: Same for all available CCTs



# 4" ROUND DIRECT

## PRO-FORM SERIES / PHOTOMETRIC DATA



C0412XT-40L-xxK-XW-EX-BB-xx-MW

CANDLEPOWER CURVE TEST SP-00567_1.2	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							
		0°	0° - 10°	567	15%	Mounting Height AFF	FC at Center on Floor	Beam Diameter	FC at Beam Edge	Ceiling Height	Fixture Spacing	RCR 2		RCR 4	
	0°	5,145	0° - 10°	567	15%	8'	80 fc	8.1'	28 fc	12'	6'	69	0.67	88	0.97
	5°	5,043	0° - 20°	1,796	48%	10'	51 fc	10.2'	18 fc	15'	8'	50	0.50	45	0.50
	15°	4,450	0° - 30°	3,156	84%	12'	36 fc	12.2'	13 fc	18'	10'	31	0.30	27	0.30
	25°	3,036	0° - 40°	3,695	98%	14'	26 fc	14.2'	9 fc	Delivered Illuminance Rating: (DIR)		102 FC per W/Sq. Ft.		91 FC per W/Sq. Ft.	
	35°	685	0° - 60°	3,769	100%	16'	20 fc	16.3'	7 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°	52	0° - 80°	3,776	100%	20'	13 fc	20.3'	5 fc						
	55°	4	Downlight	3,777	100%	24'	9 fc	24.4'	3 fc						
	90°	2	Total	3,777	100%	28'	7 fc	28.4'	2 fc						

Delivered Lumens: **3,777**  
 Luminaire Watts: **37.9**  
 LER: **99.66**

CP at 0° (Nadir): **5,145**  
 CRI: **83**

Beam Angle: **54°**  
 Spacing Ratio: **0.86**

Lumen Multiplier: 10L x 0.25, 13L x 0.34, 20L x 0.52, 30L x 0.78  
 CCT Multiplier: Same for all available CCTs



# 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

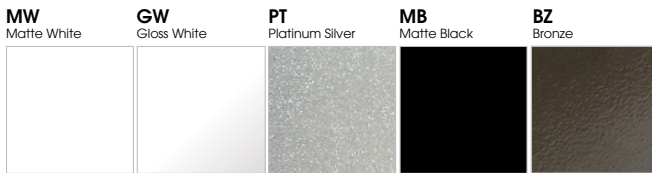
FIXTURE COLOR	STANDARD CORD COLOR	STANDARD CANOPY / STEM COLOR
Matte White, Textured White	Matte White	Matte White
Gloss White	Matte White	Gloss White
Matte Black, Textured Black	Matte Black	Matte Black
All Others	Matte Black	Same Color as Fixture
Custom Color	Contact Factory	Contact Factory

## PAINT TIMES

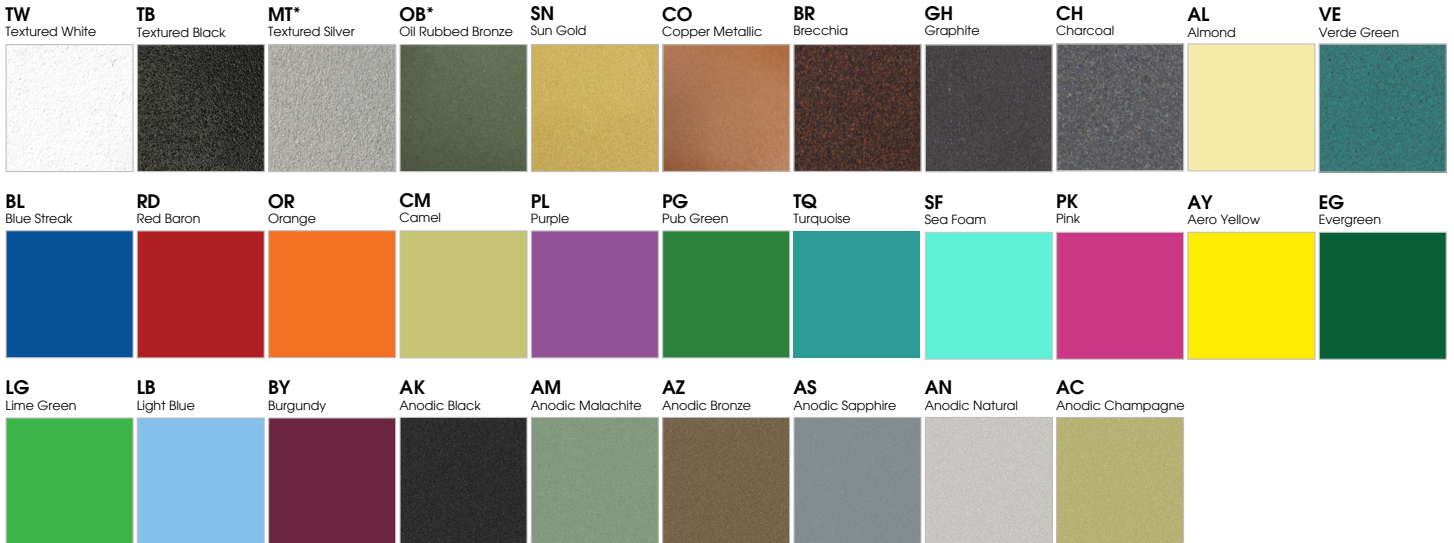
TIER	COST	AVERAGE PAINT TIME*
Tier 1 - Standard Finishes	\$	⌚
Tier 2 - Typical Finishes	\$\$	⌚⌚
Custom Color	Contact Factory	Contact Factory

\*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

