

# ROUND DIRECT / HIGH OUTPUT 6" SERIES



## C0612BX

### APPLICATION

6" round x 12" high cylinder luminaire designed for high output 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. Two stage optical system design delivers smooth illumination.

### 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

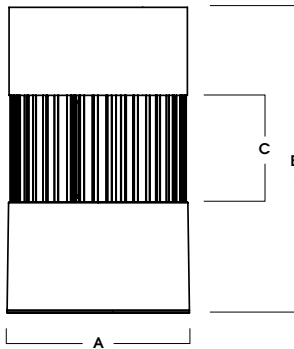
LED module features high brightness white Bridgelux® LEDs. 3-step MacAdam Ellipse binning and CRI 80. Variety of electronic 120V/277V and dimming drivers.

### CONSTRUCTION

Fabricated seamless aluminum housing. Stainless steel hardware with galvanized brackets to resist corrosion. Passively cooled heatsink. Standard trim is regressed smooth, and accepts lens options. Finished charcoal for low surface brightness.

### CODE COMPLIANCE

BAA Compliant. ETL Certified to meet US and Canadian Standards. Manufactured and tested to UL standard No. 1598/8750.



A	B	C
6.2 157.5 mm	12.1 307.3 mm	3.9 99.1 mm

WATTAGE / LUMENS DATA				
PART NUMBER	SOURCE LUMENS <sup>1</sup>	DELIVERED LUMENS <sup>2</sup>	SYSTEM WATTS	LPW
C0612BX60L	6000	4607	38	121
C0612BX80L	8000	6081	56	109

SERIES	LUMENS <sup>1</sup>	CCT	OPTICS	DRIVER / DIMMING <sup>3</sup>	OPTIONS <sup>4</sup>	MOUNTING <sup>7</sup>	FINISH																
C0612BX	60L 6000 Lm	27K 2700K	ND 24°	EX Electronic Driver, 120V/277V DS10X 10%, 0-10V, 120V/277V DO10X 1%, 0-10V, 120V/277V	FS Fuse Holder and Fuse CR Corrosion Resistant BB Black Step Baffle BLU Bluetooth LE	HM <sup>8</sup> Hang Straight AT <sup>8</sup> Hang Straight All Thread PM <sup>8</sup> Rigid Pendant Mount CD <sup>8/9</sup> Cord / Cable Mount YK Yoke Mount SM Surface Mount	MW <sup>10</sup> Matte White MB <sup>10</sup> Matte Black PT <sup>10</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 <sup>11</sup> Custom Color																
	80L 8000 Lm	30K 3000K 35K 3500K 40K 4000K	MD 40° WD 55° XW 62°					<table border="1"> <thead> <tr> <th colspan="2">LENS</th> <th colspan="2">EMERGENCY BATTERY OPTIONS</th> </tr> </thead> <tbody> <tr> <td>NL</td> <td>No Lens</td> <td>EMCP7W</td> <td>7W Canopy Mounted EM</td> </tr> <tr> <td>SO<sup>5</sup></td> <td>Micro Prism Solite™ Lens</td> <td>EMRM7W</td> <td>7W Remote EM</td> </tr> <tr> <td>GL<sup>6</sup></td> <td>Clear Glass Lens</td> <td>EMEN7W</td> <td>7W Remote with Enclosure</td> </tr> <tr> <td>FG</td> <td>Frosted Glass Lens</td> <td>EMLN7W</td> <td>7W In-Line EM (For Pendants)</td> </tr> </tbody> </table>	LENS		EMERGENCY BATTERY OPTIONS		NL	No Lens	EMCP7W	7W Canopy Mounted EM	SO <sup>5</sup>	Micro Prism Solite™ Lens	EMRM7W	7W Remote EM	GL <sup>6</sup>	Clear Glass Lens	EMEN7W
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**EXAMPLE:** C0612BX60L35KXWEX/HM24/MW

#### NOTES:

1 Nominal Source Lumens 2 Nominal Delivered Lumens at 35K with MD - NL 3 Consult Factory for Additional Options 4 See Product Options Page for Details 5 Standard Lens for MD, WD, XW 6 Standard Lens for ND 7 See Mounting Page for Details on Components and Finishes 8 Specify Length in Inches; See Mounting Page for Available Lengths 9 EMxxxx Option Requires 2 Cords 10 Standard Finishes 11 See Color Page for More Options/Consult Factory for Special 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.

# ROUND DIRECT / HIGH OUTPUT

## 6" SERIES / FIXTURE OPTIONS



### STANDARD FINISHES

**MW**  
MATTE WHITE



**MB**  
MATTE BLACK

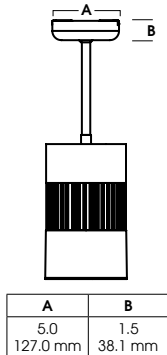


**PT**  
PLATINUM SILVER

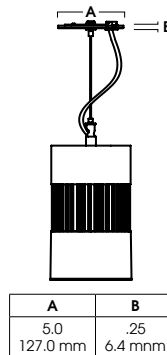


### MOUNTING TYPES

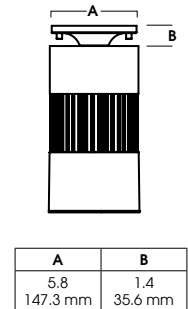
**HM / PM / AT**  
HANG STRAIGHT / PENDANT / ALL THREAD



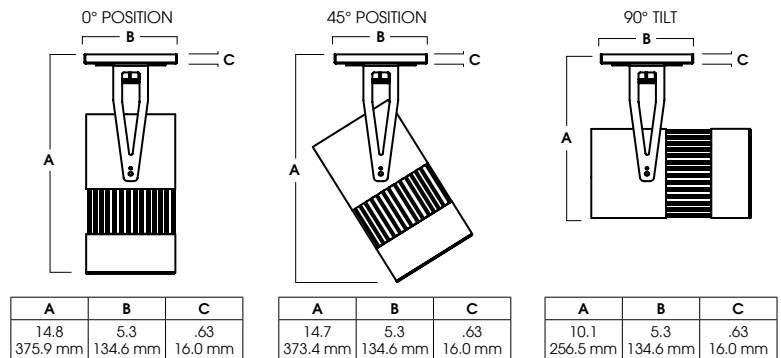
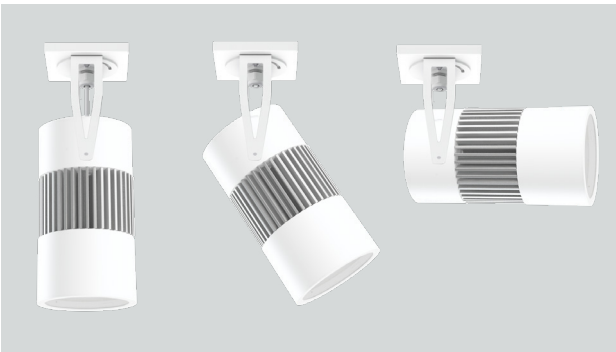
**CD**  
CORD / CABLE MOUNT



**SM**  
SURFACE MOUNT



**YK**  
YOKE MOUNT

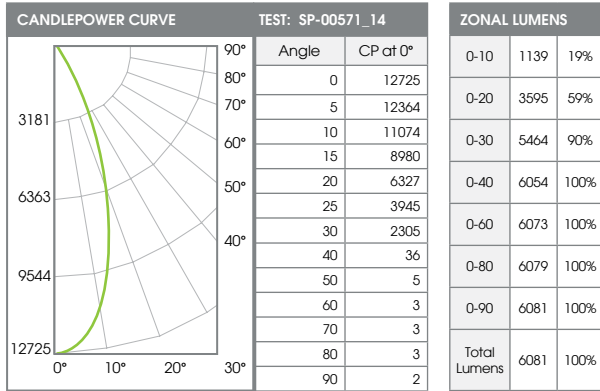


# ROUND DIRECT / HIGH OUTPUT

## 6" SERIES / PHOTOMETRIC DATA



### C0612BX-80L35K-MD-NL



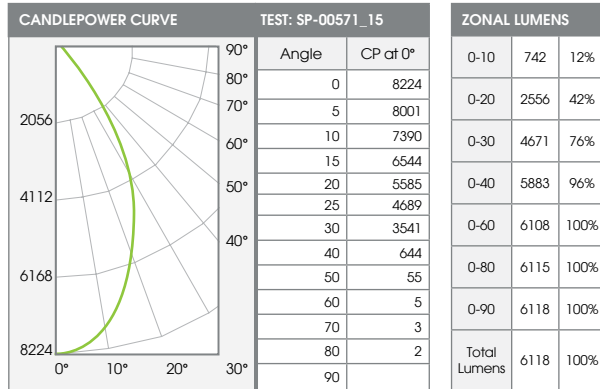
### 80L MEDIUM - 80 CRI

SINGLE UNIT: PERFORMANCE			
INITIAL FOOTCANDLES AND BEAM ANGLE DIAMETERS			
Mounting Height*	FC at Center	Diameter of Beam**	FC at Beam**
5.5'	421	4.0'	186
6.5'	301	4.7'	133
7.5'	226	5.5'	100
8.5'	176	6.2'	78
10.0'	127	7.3'	56
12.0'	88	8.7'	39
14.0'	65	10.2'	29
16.0'	50	11.6'	22

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

Delivered Lumens: 6081    CP @ 0° (Nadir): 12725    Spacing Ratio: 0.66  
 Luminaire Watts: 56    Beam Angle: 40°    Output Multipliers: 60L x 0.76  
 LER: 109    CRI: 80

### C0612BX-80L35K-WD-NL



### 80L WIDE - 80 CRI

SINGLE UNIT: PERFORMANCE			
INITIAL FOOTCANDLES AND BEAM ANGLE DIAMETERS			
Mounting Height*	FC at Center	Diameter of Beam**	FC at Beam**
5.5'	272	5.7'	107
6.5'	195	6.8'	77
7.5'	146	7.8'	58
8.5'	114	8.8'	45
10.0'	82	10.4'	32
12.0'	57	12.5'	22
14.0'	42	14.6'	17
16.0'	32	16.7'	13

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

Delivered Lumens: 6118    CP @ 0° (Nadir): 8224    Spacing Ratio: 0.82  
 Luminaire Watts: 56    Beam Angle: 55°    Output Multipliers: 60L x 0.76  
 LER: 109    CRI: 80