



6" ROUND DIRECT
WET LOCATION
 GAMMA SERIES

PROJECT: _____
 QUANTITY: _____ TYPE: _____



CW0606PC



CW0612PC



CW0618PC

| SERIES | LUMENS ¹ | CCT | OPTICS | DRIVER / DIMMING ² | LENS | MOUNTING ³ | FINISH ⁶ |
|-----------------------------|---------------------|-------------------|---------------|---|--|---|---|
| CW0606PC 6" x 6" | 10L 700 Lm | 80 CRI | ND 14° | EX Electronic Driver, 120V/277V DO10X 1%, 0-10V, 120V/277V DS2W1 ELV/MLV, 120V | CL Clear Lens SO Micro Prism Solite™ Lens | HM^{4/5} Hang Straight PM^{4/5} Rigid Pendant Mount SM Surface Mount | MW⁷ Matte White MB⁷ Matte Black PT⁷ Platinum Silver CC Custom Color |
| | 15L 1050 Lm | 27K 2700K | MD 31° | | | | |
| CW0612PC 6" x 12" | 20L 1400 Lm | 30K 3000K | WD 52° | | | | |
| | 30L 2100 Lm | 35K 3500K | XW 75° | | | | |
| CW0618PC 6" x 18" | 40L 2850 Lm | 40K 4000K | | | | | |
| | | 90 CRI | | | | | |
| | | 27HK 2700K | | | | | |
| | | 30HK 3000K | | | | | |
| | | 35HK 3500K | | | | | |
| | 40HK 4000K | | | | | | |
| | | | | | | EMERGENCY BATTERY OPTIONS | |
| | | | | | | EMRM 7W Remote EM | |
| | | | | | | EMEN 7W Remote with Enclosure | |

EXAMPLE: CW0606PC10L35KNDEX/CL/HM36/MW

NOTES:
 1 Nominal Delivered Lumens at 3500K 2 Consult Factory for Additional Options 3 See Mounting Page for Details on Components and Finishes 4 Specify Length in Inches: See Mounting Page for Available Lengths
 5 Not for Use in Locations with Wind Exposure 6 Reference Color Sheet Located on Product Webpage for Full List of Available Colors 7 Standard Finishes



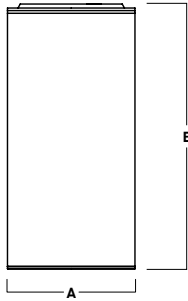


6" ROUND DIRECT WET LOCATION GAMMA SERIES

| LUMENS / WATTAGE DATA | | | |
|-----------------------|-------------------------------|--------------|-----|
| PART NUMBER | DELIVERED LUMENS ¹ | SYSTEM WATTS | LPW |
| CW0612PC 10L | 707 | 6.5 | 109 |
| CW0612PC 15L | 1046 | 9.5 | 110 |
| CW0612PC 20L | 1413 | 12.9 | 110 |
| CW0612PC 30L | 2120 | 19.9 | 107 |
| CW0612PC 40L | 2827 | 27.4 | 103 |

¹ Nominal Delivered Lumens at 3500K, 80 CRI, Medium Optic with Clear Lens

DIMENSIONS



Dimensioned with **CW0612PC**

| SERIES | A | B |
|-----------------|-----|------|
| CW0606PC | 6.1 | 6.4 |
| CW0612PC | 6.1 | 12.4 |
| CW0618PC | 6.1 | 18.4 |

APPLICATION

The Gamma Family of Cylinders are a robust offering of point source LED luminaires featuring high efficacies, an assortment of optical control, and installation flexibility, which make them suitable for a wide range of commercial and institutional applications.

ELECTRONICS

Solid-state light engine available in various color temperatures and lumen outputs. Specifiable in 2700K, 3000K, 3500K, 4000K in CRI 80 (Typ.), or 2700K, 3000K, 3500K, 4000K in CRI 90 (Typ.), color accuracy ≤ 3 SDCM. Selection of integral electronic constant current, dimmable drivers available, power factor > 0.9 (Typ). Driver and light engine are field serviceable for future replacement or upgrades. Emergency battery options provide 7W for 90 minutes.

CONSTRUCTION

Seamless cylinder body machined from 6063 extruded aluminum. Trim and top cap are die-cast aluminum. Self-locating trim is secured with self-sealing stainless steel hardware. Nitrile rubber o-rings provide additional ingress protection from water. Passive aluminum heatsink optimized for emitter life and performance. Specular reflectors offered in variety of beam spreads. Lens type must be specified. Luminaire will not exceed 10 lbs.

MOUNTING

All pendant options are specified in inches. Mounting bracket and canopies provided for direct installation with 4" octagonal junction boxes. Hang Mount (3/8"NPT) and Rigid Stem (3/8"IP) are 1/2" diameter and produced from steel pipe. Hang Mount option provides up to 45° tilt correction. Surface mount kit provided with aluminum mounting plate to install directly to junction box. See mounting page for additional information. Contact factory for special installation circumstances.

FINISH

Multi-stage polyester powder-coat process applied on our in-house finishing department. Custom colors also available (contact factory with RAL#). Canopy and stems will match cylinder finish specification.

CODE COMPLIANCE

ETL Listed. Suitable for wet locations with operation in ambient conditions up to 25°C. 5 year limited warranty on all components. Proudly designed and manufactured in Massachusetts, USA.

SERIES SIZES

CW0606PC



CW0612PC



CW0618PC



STANDARD FINISHES SHOWN WITH CW0612PC

MW
Matte White



MB
Matte Black



PT
Platinum Silver



CEILING MOUNT

(SEE MOUNTING PAGES FOR MORE OPTIONS & CANOPY DIMENSIONS.)

HM / PM
HANG STRAIGHT / PENDANT



CW0612PC SHOWN WITH PM

SM
SURFACE MOUNT



CW0612PC SHOWN WITH SM





6" ROUND DIRECT

GAMMA SERIES / PHOTOMETRIC DATA

CW06XXPC 40L 35K ND XX CL XX

| CANDLEPOWER CURVE TEST SP-01077 | 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° 894 31% | 10' | 173 fc | 2.4' | 85 fc | 18' | 3' | 271 | 2.81 | 272 | 3.12 | |
| | 0° | 0° - 20° 1453 50% | 12' | 120 fc | 2.9' | 59 fc | 22' | 4" | 156 | 1.61 | 156 | 1.79 | |
| | 5° | 0° - 30° 2001 69% | 14' | 88 fc | 3.4' | 43 fc | 26' | 5" | 101 | 1.04 | 101 | 1.16 | |
| | 15° | 0° - 40° 2620 90% | 16' | 68 fc | 3.9' | 33 fc | Delivered Illuminance Rating: (DIR) | | 97 FC per W/Sq. Ft. | | 87 FC per W/Sq. Ft. | | |
| | 25° | 0° - 60° 2890 100% | 20' | 43 fc | 4.8' | 21 fc | 3' Suspension Length to luminous aperture Square rooms used for multiple units: RCR 4: Length & Width = Ceiling Ht. - 5.5' x 2.50 RCR 6: Length & Width = Ceiling Ht. - 5.5' x 1.66 * Average Footcandles at 2.5' Above Floor ** Exceeds Spacing Ratio by 1% *** Exceeds Spacing Ratio by 2% | | | | | | |
| | 35° | 0° - 80° 2893 100% | 24' | 30 fc | 5.8' | 15 fc | | | | | | | |
| | 45° | 0° - 90° 2895 100% | 28' | 22 fc | 6.7' | 11 fc | | | | | | | |
| | 55° | 6 | Total | 32' | 17 fc | 7.7' | 8 fc | | | | | | |
| | 90° | 1 | | | | | | | | | | | |

Delivered Lumens: 2895
Luminaire Watts: 27.4
LER: 105.66

CP at 0° (Nadir): 17337
CRI: 80

Beam Angle: 14°
Spacing Ratio: 0.24

Lumen Multiplier: 10L x 0.25, 15L x 0.37, 20L x 0.50, 30L x 0.75
CCT Multiplier: 27K x 0.97, 30K x 0.98, 40K x 1.04
27HK x 0.78, 30HK x 0.82
See Page 1 for System Watts for all outputs

CW06XXPC 40L 35K MD XX CL XX

| CANDLEPOWER CURVE TEST SP-01076 | 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° 484 17% | 8' | 89 fc | 4.4' | 40 fc | 14' | 4' | 172 | 1.75 | 164 | 1.90 | |
| | 0° | 0° - 20° 1284 45% | 10' | 57 fc | 5.5' | 26 fc | 18' | 6' | 65 | 0.66 | 52 | 0.60 | |
| | 5° | 0° - 30° 1907 67% | 12' | 40 fc | 6.5' | 18 fc | 22' | 8' | 39 | 0.40 | 31 | 0.36 | |
| | 15° | 0° - 40° 2543 90% | 14' | 29 fc | 7.6' | 13 fc | Delivered Illuminance Rating: (DIR) | | 98 FC per W/Sq. Ft. | | 87 FC per W/Sq. Ft. | | |
| | 25° | 0° - 60° 2814 100% | 16' | 22 fc | 8.7' | 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 | | | | | | |
| | 35° | 0° - 80° 2825 100% | 20' | 14 fc | 10.9' | 6 fc | | | | | | | |
| | 45° | 0° - 90° 2827 100% | 24' | 10 fc | 13.1' | 4 fc | | | | | | | |
| | 55° | 8 | Total | 28' | 7 fc | 15.3' | 3 fc | | | | | | |
| | 90° | 1 | | | | | | | | | | | |

Delivered Lumens: 2827
Luminaire Watts: 27.4
LER: 103.18

CP at 0° (Nadir): 5721
CRI: 80

Beam Angle: 31°
Spacing Ratio: 0.50

Lumen Multiplier: 10L x 0.25, 15L x 0.37, 20L x 0.50, 30L x 0.75
CCT Multiplier: 27K x 0.97, 30K x 0.98, 40K x 1.04
27HK x 0.78, 30HK x 0.82
See Page 1 for System Watts for all outputs

CW06XXPC 40L 35K WD XX CL XX

| CANDLEPOWER CURVE TEST SP-01290_M-40L | 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° | 0° - 10° 319 11% | 8' | 54 fc | 7.9' | 20 fc | 14' | 6' | 82 | 0.77 | 72 | 0.77 | |
| | 0° | 0° - 20° 1077 37% | 10' | 35 fc | 9.8' | 13 fc | 18' | 8' | 41 | 0.38 | 35 | 0.38 | |
| | 5° | 0° - 30° 1921 67% | 12' | 24 fc | 11.8' | 9 fc | 22' | 10' | 31 | 0.29 | 21 | 0.23 | |
| | 15° | 0° - 40° 2597 90% | 14' | 18 fc | 13.8' | 6 fc | Delivered Illuminance Rating: (DIR) | | 106 FC per W/Sq. Ft. | | 93 FC per W/Sq. Ft. | | |
| | 25° | 0° - 60° 2851 99% | 16' | 14 fc | 15.7' | 5 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 | | | | | | |
| | 35° | 0° - 80° 2870 99% | 20' | 9 fc | 19.7' | 3 fc | | | | | | | |
| | 45° | 260 | 0° - 90° 2873 100% | 24' | 6 fc | 23.6' | 2 fc | | | | | | |
| | 55° | 22 | Total | 28' | 4 fc | 27.5' | 2 fc | | | | | | |
| | 90° | 2 | | | | | | | | | | | |

Delivered Lumens: 2885
Luminaire Watts: 27.2
LER: 106.07

CP at 0° (Nadir): 3480
CRI: 80

Beam Angle: 52°
Spacing Ratio: 0.78

Lumen Multiplier: 10L x 0.25, 15L x 0.36, 20L x 0.50, 30L x 0.75
CCT Multiplier: 27K x 0.97, 30K x 0.98, 40K x 1.04
27HK x 0.78, 30HK x 0.83
See Page 1 for System Watts for all outputs





6" ROUND DIRECT

GAMMA SERIES / PHOTOMETRIC DATA

CW06XXPC 40L 35K XW XX CL XX

| CANDLEPOWER CURVE TEST SP-01078 | 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° - 10° | 205 | 7% | Mounting Height AFF | FC at Center on Floor | Beam Diameter | FC at Beam Edge | Ceiling Height | Fixture Spacing | RCR 1 | | RCR 3 | | |
| | 0° | 2156 | | | | | | | | | | | | | |
| | 5° | 2123 | | | | | | | | | | | | | |
| | 15° | 2021 | | | | | | | | | | | | | |
| | 25° | 1842 | | | | | | | | | | | | | |
| | 35° | 1303 | | | | | | | | | | | | | |
| | 45° | 287 | | | | | | | | | | | | | |
| | 55° | 28 | | | | | | | | | | | | | |
| | 90° | 0 | | | | | | | | | | | | | |
| | | Total | 2752 | 100% | | | | | | | | | | | |
| | | | | | 6' | 60 fc | 9.2' | 15 fc | | | | | | | |
| | | | | 8' | 34 fc | 12.3' | 8 fc | | | | | | | | |
| | | | | 10' | 22 fc | 15.4' | 5 fc | | | | | | | | |
| | | | | 12' | 15 fc | 18.5' | 4 fc | | | | | | | | |
| | | | | 14' | 11 fc | 21.5' | 3 fc | | | | | | | | |
| | | | | 16' | 8 fc | 24.6' | 2 fc | | | | | | | | |
| | | | | 20' | 5 fc | 30.8' | 1 fc | | | | | | | | |
| | | | | 24' | 4 fc | 36.9' | 1 fc | | | | | | | | |
| | | | | Delivered Illuminance Rating: (DIR) | | | | 108 FC per W/Sq. Ft. | | 92 FC per W/Sq. Ft. | | | | | |
| | | | | 2' Suspension Length to luminous aperture Square rooms used for multiple units: RCR 1: Length & Width = Ceiling Ht. - 4.5' x 10.00 RCR 3: Length & Width = Ceiling Ht. - 4.5' x 3.33 * Average Footcandles at 2.5' Above Floor | | | | | | | | | | | |

Delivered Lumens: 2752
Luminaire Watts: 27.4
LER: 100.44

CP at 0° (Nadir): 2156
CRI: 80

Beam Angle: 75°
Spacing Ratio: 1.14

Lumen Multiplier: 10L x 0.25, 15L x 0.37, 20L x 0.50, 30L x 0.75
CCT Multiplier: 27K x 0.97, 30K x 0.98, 40K x 1.04
27HK x 0.78, 30HK x 0.82

See Page 1 for System Watts for all outputs

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.



CANOPY DIMENSIONS

| HM / PM CANOPY HANG STRAIGHT / PENDANT | | SM CANOPY SURFACE MOUNT |
|---|----------------|----------------------------|
| | | |
| A | B | A |
| 5.0 127.0 mm | 1.5 38.1 mm | 4.9 124.5 mm |

MOUNTING TYPES

| HM* HANG STRAIGHT 45° SWIVEL 5/8" OD STEM - 3/8" IP | PM* RIGID PENDANT MOUNT RIGID 5/8" OD STEM - 3/8" IP | SM SURFACE MOUNT |
|---|---|-------------------------------------|
| | | |
| 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) | 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) | ORDER: SM (Flush to Ceiling) |

REMOTE EMERGENCY BATTERY OPTIONS

| EMRM* - 7W REMOTE EMERGENCY BATTERY (50' MAX) | EMEN* - 7W REMOTE EMERGENCY BATTERY WITH ENCLOSURE (50' MAX) | | | | | | | | | | | | |
|---|---|------|---|-----|------|------|--|---|---|---|-----|------|-----|
| | | | | | | | | | | | | | |
| <table border="1"> <tr><th>A</th><th>B</th><th>C</th></tr> <tr><td>1.3</td><td>12.6</td><td>13.0</td></tr> </table> | A | B | C | 1.3 | 12.6 | 13.0 | <table border="1"> <tr><th>A</th><th>B</th><th>C</th></tr> <tr><td>2.0</td><td>17.0</td><td>6.2</td></tr> </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

