



**6" ROUND DIRECT
DAMP LOCATION
GAMMA SERIES**

PROJECT: _____
 QUANTITY: _____ TYPE: _____



CF0606PC



CF0612PC



CF0618PC

SERIES	LUMENS ¹	CCT	OPTICS	DRIVER / DIMMING ²	LENS	MOUNTING ³	FINISH ⁴
CF0606PC 6" x 6"	10L 750 Lm	80 CRI	ND 13°	EX Electronic Driver, 120V/277V DO10X 1%, 0-10V, 120V/277V DS2W1 ELV/MLV, 120V	NL No Lens CL Clear Glass Lens SO Micro Prism Solite™ Lens HL Hex Louver	RDC5C⁴ Small Driver Canopy HM⁵ Hang Straight PM⁶ Rigid Pendant Mount AT⁶ Hang Straight All Thread CM^{5/6} Cord Mount CD^{5/6} Cord / Cable Mount CD72 72" Cord / Cable Mount SM Surface Mount	MW⁵ Matte White MB⁵ Matte Black PT⁵ Platinum Silver CC Custom Color
	15L 1150 Lm	27K 2700K	MD 30°				
CF0612PC 6" x 12"	20L 1550 Lm	30K 3000K	WD 53°				
	30L 2300 Lm	35K 3500K	XW 78°				
CF0618PC 6" x 18"	40L 3100 Lm	40K 4000K					
		90 CRI					
		27HK 2700K 30HK 3000K				EMCRC^{6/7} 10W Canopy Mounted EM EMRM^{6/7} 7W Remote EM EMEN^{6/7} 7W Remote with Enclosure	See Page 5 for Full Range of Color Options (83-90095)

GREEN TEXT INDICATES QUICK SHIP OPTIONS

EXAMPLE: CF0606PC15L35KNDEX/NL/HM36/MW

NOTES:

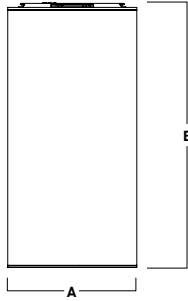
1 Nominal Delivered Lumens at 3500K 2 Consult Factory for Additional Options 3 See Mounting Page for Details on Components and Finishes 4 Order RDC5C when matching Remote EM fixtures, EMRM and EMEN Come Standard w/ RDC5C 5 Length in Inches: See Mounting Page for Available Lengths 6 EMox Option Not Available with CD and CM Mounting 7 EMRM and EMEN Come Standard w/ RDC5C 8 See Color Page for More Options/Consult Factory for Special Finishes 9 Standard Finishes





6" ROUND DIRECT DAMP LOCATION GAMMA SERIES

DIMENSIONS



Dimensioned with **CF0612PC**

SERIES	A	B
CF0606PC	6.1	6.4
CF0612PC	6.1	12.4
CF0618PC	6.1	18.4

LUMENS / WATTAGE DATA			
PART NUMBER	DELIVERED LUMENS ¹	SYSTEM WATTS	LPW
CF0612PC 10L	732	6.5	113
CF0612PC 15L	1083	9.5	114
CF0612PC 20L	1463	12.9	113
CF0612PC 30L	2195	19.9	110
CF0612PC 40L	2926	27.4	107

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

QUICK SHIP

Quick Ship highlights products that can ship in 5 - 10 working days.

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 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 10W or 7W for 90 minutes.

CONSTRUCTION

Seamless cylinder body machined from 6063 extruded aluminum. Trim and top cap are die-cast aluminum. Twist and lock trim design for no visible fasteners. Passive aluminum heatsink optimized for LED life and performance. Specular reflectors offered in variety of beam spreads. Lens accessory options available (maximum of 2). Luminaire will not exceed 10 lbs.

MOUNTING

All pendant option lengths are specified in inches. Mounting bracket and canopies provided for direct installation with 4" octagonal junction boxes. Hang Mount (3/8"NPT), All-Thread (1/4"IP), and Rigid Stem (3/8"IP) are 1/2" diameter and produced from steel pipe. Hang Mount and All-Thread options provide up to 45° tilt correction. Cord/Cable Mount kit provided with adjustable aircraft cable and power cord, allows field-adjustable suspension length. Cord Mount provided with power cord and strain reliefs. 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. All Gamma fixtures ordered with a remote emergency battery come standard with the RDC5C canopy, if you are also ordering non-remote emergency battery fixtures we recommend ordering them with the RDC5C canopy as well to maintain visual consistency on site.

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 dry or damp 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

CF0606PC



CF0612PC



CF0618PC



STANDARD FINISHES SHOWN WITH CF0612PC

MW
Matte White



MB
Matte Black



PT
Platinum Silver



CEILING MOUNT

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

HM / AT / PM

HANG STRAIGHT / ALL THREAD / PENDANT



CF0612PC SHOWN WITH PM

HM / AT / PM & RDC5C

HANG STRAIGHT / ALL THREAD / PENDANT



CF0612PC SHOWN WITH PM & RDC5C CANOPY

CD

CORD / CABLE MOUNT



CF0612PC SHOWN WITH CD

CM

CORD MOUNT



CF0612PC SHOWN WITH CM

SM

SURFACE MOUNT



CF0612PC SHOWN WITH SM





6" ROUND DIRECT

GAMMA SERIES / PHOTOMETRIC DATA

CF06XXPC 40L 35K ND XX CL XX

CANDLEPOWER CURVE TEST SP-01041	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° 866 29%	8'	263 fc	1.9'	129 fc	22'	4'	169	1.73	139	1.59	
	0°	0° - 20° 16841	10'	168 fc	2.4'	82 fc	26'	5'	112	1.15	92	1.05	
	5°	0° - 30° 11572	12'	117 fc	2.8'	57 fc	30'	6'	79	0.82	66	0.75	
	15°	0° - 40° 1784	14'	86 fc	3.3'	42 fc	Delivered Illuminance Rating: (DIR) 97 FC per W/Sq. Ft. 87 FC per W/Sq. Ft.						
	25°	0° - 60° 1162	16'	66 fc	3.8'	32 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° 997	20'	42 fc	4.7'	21 fc	* Average Footcandles at 2.5' Above Floor						
	45°	0° - 90° 330	24'	29 fc	5.7'	14 fc	** Exceeds Spacing Ratio by 1%						
	55°	0° - 90° 5	28'	21 fc	6.6'	11 fc	*** Exceeds Spacing Ratio by 2%						
	90°	0° - 90° 0	Total 2941 100%										

Delivered Lumens: 2941 CP at 0° (Nadir): 16841 Beam Angle: 13° Lumen Multiplier: 10L x 0.25, 15L x 0.37, 20L x 0.50, 30L x 0.75
 Luminaire Watts: 27.4 LER: 107.34 Spacing Ratio: 0.23 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

CF06XXPC 40L 35K MD XX CL XX

CANDLEPOWER CURVE TEST SP-01038	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° 478 16%	8'	89 fc	4.4'	40 fc	18'	6'	67	0.66	53	0.60	
	0°	0° - 20° 5685	10'	57 fc	5.5'	26 fc	22'	8'	40	0.40	32	0.36	
	5°	0° - 30° 5293	12'	39 fc	6.6'	18 fc	26'	10'	26	0.26	21	0.24	
	15°	0° - 40° 2892	14'	29 fc	7.7'	13 fc	Delivered Illuminance Rating: (DIR) 101 FC per W/Sq. Ft. 89 FC per W/Sq. Ft.						
	25°	0° - 60° 1335	16'	22 fc	8.8'	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						
	35°	0° - 80° 1019	20'	14 fc	11.0'	6 fc	* Average Footcandles at 2.5' Above Floor						
	45°	0° - 90° 297	24'	10 fc	13.2'	4 fc							
	55°	0° - 90° 10	28'	7 fc	15.3'	3 fc							
	90°	0° - 90° 0	Total 2926 100%										

Delivered Lumens: 2926 Beam Angle: 30° Lumen Multiplier: 10L x 0.25, 15L x 0.37, 20L x 0.50, 30L x 0.75
 Luminaire Watts: 27.4 Spacing Ratio: 0.50 CCT Multiplier: 27K x 0.97, 30K x 0.98, 40K x 1.04, 27HK x 0.78, 30HK x 0.82
 LER: 106.79 CRI: 80 See Page 1 for System Watts for all outputs

CF06XXPC 40L 35K WD XX CL XX

CANDLEPOWER CURVE TEST SP-01287_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° 316 11%	8'	54 fc	7.9'	20 fc	14'	6'	83	0.77	72	0.77	
	0°	0° - 20° 3445	10'	34 fc	9.9'	13 fc	18'	8'	41	0.38	36	0.38	
	5°	0° - 30° 3326	12'	24 fc	11.9'	9 fc	22'	10'	31	0.29	21	0.23	
	15°	0° - 40° 2624	14'	18 fc	13.9'	7 fc	Delivered Illuminance Rating: (DIR) 108 FC per W/Sq. Ft. 94 FC per W/Sq. Ft.						
	25°	0° - 60° 1732	16'	13 fc	15.8'	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						
	35°	0° - 80° 1039	20'	9 fc	19.8'	3 fc	* Average Footcandles at 2.5' Above Floor						
	45°	0° - 90° 225	24'	6 fc	23.8'	2 fc							
	55°	0° - 90° 21	28'	4 fc	27.7'	2 fc							
	90°	0° - 90° 2	Total 2913 100%										

Delivered Lumens: 2913 CP at 0° (Nadir): 3445 Beam Angle: 53° Lumen Multiplier: 10L x 0.25, 15L x 0.36, 20L x 0.50, 30L x 0.75
 Luminaire Watts: 27 Spacing Ratio: 0.76 CCT Multiplier: 27K x 0.97, 30K x 0.98, 40K x 1.04
 LER: 107.89 CRI: 80 27HK x 0.78, 30HK x 0.83 See Page 1 for System Watts for all outputs





6" ROUND DIRECT

GAMMA SERIES / PHOTOMETRIC DATA

CF06XXPC 40L 35K XW XX CL XX

CANDLEPOWER CURVE TEST SP-01044	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°	206	7%	Mounting Height AFF	FC at Center on Floor	Beam Diameter	FC at Beam Edge	Ceiling Height	Fixture Spacing	RCR 1		RCR 3		
	0°	2153	0° - 20°	785	27%	6'	60 fc	9.7'	14 fc	14'	8'	50	0.44	42	0.44
	5°	2124	0° - 30°	1642	57%	8'	34 fc	12.9'	8 fc	18'	10'	29	0.25	21	0.22
	15°	2030	0° - 40°	2490	86%	10'	22 fc	16.1'	5 fc	22'	12'	20	0.18	20	0.20
	25°	1863	0° - 60°	2856	98%	12'	15 fc	19.3'	4 fc	Delivered Illuminance Rating: (DIR)		113 FC per W/Sq. Ft.		97 FC per W/Sq. Ft.	
	35°	1406	0° - 80°	2904	100%	14'	11 fc	22.5'	3 fc	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					
	45°	401	0° - 90°	2906	100%	16'	8 fc	25.7'	2 fc						
	55°	26	Total	2907	100%	20'	5 fc	32.2'	1 fc						
	90°	0				24'	4 fc	38.6'	1 fc						

Delivered Lumens: **2907**
Luminaire Watts: **27.4**
LER: **106.09**

CP at 0° (Nadir): **2153**
CRI: **80**

Beam Angle: **78°**
Spacing Ratio: **1.17**

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 / AT CANOPY	HM / PM / AT RDC5C CANOPY	CM CANOPY	CD CANOPY	SM CANOPY	EMCRC CANOPY																																	
<table border="1"> <tr><th>A</th><th>B</th></tr> <tr><td>5.0</td><td>1.5</td></tr> <tr><td>127.0 mm</td><td>38.1 mm</td></tr> </table>	A	B	5.0	1.5	127.0 mm	38.1 mm	<table border="1"> <tr><th>A</th><th>B</th></tr> <tr><td>5.3</td><td>2.5</td></tr> <tr><td>134.6 mm</td><td>63.5 mm</td></tr> </table>	A	B	5.3	2.5	134.6 mm	63.5 mm	<table border="1"> <tr><th>A</th><th>B</th></tr> <tr><td>5.0</td><td>.25</td></tr> <tr><td>127.0 mm</td><td>6.4 mm</td></tr> </table>	A	B	5.0	.25	127.0 mm	6.4 mm	<table border="1"> <tr><th>A</th><th>B</th></tr> <tr><td>5.0</td><td>.25</td></tr> <tr><td>127.0 mm</td><td>6.4 mm</td></tr> </table>	A	B	5.0	.25	127.0 mm	6.4 mm	<table border="1"> <tr><th>A</th></tr> <tr><td>4.9</td></tr> <tr><td>124.5 mm</td></tr> </table>	A	4.9	124.5 mm	<table border="1"> <tr><th>A</th><th>B</th></tr> <tr><td>9.0</td><td>3.25</td></tr> <tr><td>228.6 mm</td><td>82.6 mm</td></tr> </table>	A	B	9.0	3.25	228.6 mm	82.6 mm
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MOUNTING TYPES

<p>HM* HANG STRAIGHT 45° SWIVEL 5/8" OD STEM - 3/8" IP</p> <p>ORDER: HM (Length) SPECIFY LENGTH: HM3 - 3" HM24 - 24" HM6 - 6" HM36 - 36" HM12 - 12" 36" HM18 - 18" HM48 - 48" HMLC(XX) HM72 - 72" Custom Length (Specify in Inches)</p>	<p>PM* RIGID PENDANT MOUNT RIGID 5/8" OD STEM - 3/8" IP</p> <p>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)</p>	<p>AT** HANG STRAIGHT ALL THREAD 45° SWIVEL 5/8" OD STEM - 1/4" IP</p> <p>ORDER: AT (Length) SPECIFY LENGTH: AT12 - 12" AT24 - 24" AT36 - 36"</p> <p>*MAXIMUM ONE PIECE STEM LENGTH IS 72". **MAXIMUM ONE PIECE STEM LENGTH IS 36". LONGER LENGTHS ARE POSSIBLE USING MULTIPLE STEMS AND COUPLERS.</p>	<p>CM CORD MOUNT SJ CORD WITH STRAIN RELIEF</p> <p>ORDER: CM (Length) SPECIFY LENGTH: CM36 - 36" CM72 - 72" CM144 - 144" CMLC(XX) Custom Length (Specify in Inches)</p>	<p>CD CORD / CABLE MOUNT SJ CORD WITH 1/16 SS CABLE</p> <p>ORDER: CD (Length) SPECIFY LENGTH: CD36 - 36" CD72 - 72" CD144 - 144" CDLC(XX) Custom Length (Specify in Inches)</p>	<p>SM SURFACE MOUNT</p> <p>ORDER: SM (Flush to Ceiling)</p>
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REMOTE EMERGENCY BATTERY OPTIONS

<p>EMRM* - 7W REMOTE EMERGENCY BATTERY (50' MAX)</p> <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	<p>EMEN* - 7W REMOTE EMERGENCY BATTERY WITH ENCLOSURE (50' MAX)</p> <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											
<p>*BOTH EMRM AND EMEN OPTIONS COME STANDARD WITH RDC5C SMALL DRIVER CANOPY</p> <p>OTHER EM BATTERY SIZES AVAILABLE, CONSULT FACTORY</p>													



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	\$	⓪
Tier 2 - Typical Finishes	\$\$	⓪⓪
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

