



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

PROJECT: \_\_\_\_\_  
 QUANTITY: \_\_\_\_\_ TYPE: \_\_\_\_\_



CF0606PC



CF0612PC



CF0618PC

SERIES	LUMENS <sup>1</sup>	CCT	OPTICS	DRIVER / DIMMING <sup>2</sup>	LENS	MOUNTING <sup>3</sup>	EMERGENCY BATTERY OPTIONS	FINISH <sup>6</sup>	MOUNTING ACCESSORIES <sup>8</sup>	FINISH
CF0606PC 6" x 6"	10L 750 Lm	80 CRI	ND 13°	EX Electronic Driver, 120V/277V	NL No Lens	HM <sup>4</sup> Hang Straight	EMCRC 10W Canopy Mounted EM	MW <sup>7</sup> Matte White	RDC5CB <sup>8</sup> Blank Canopy to match other CM & CD mounted fixtures when ordering other CM & CD mounted fixtures with EMRM or EMEN	MC Match Color
	15L 1150 Lm	27K 2700K	MD 30°	DO10X 1%, 0-10V, 120V/277V	CL Clear Glass Lens	PM <sup>4</sup> Rigid Pendant Mount	EMRM 7W Remote EM	MB <sup>7</sup> Matte Black		
	20L 1550 Lm	30K 3000K	WD 53°	DS2W1 ELV/TRIAC, 120V	SO Micro Prism Solite™ Lens	AT <sup>4</sup> Hang Straight All Thread	EMEN 7W Remote with Enclosure	PT <sup>7</sup> Platinum Silver		
CF0612PC 6" x 12"	30L 2300 Lm	35K 3500K	XW 78°		HL Hex Louver	SM <sup>4</sup> Surface Mount		CC <sup>7</sup> Custom Color		
	40L 3100 Lm	40K 4000K								
		90 CRI				CM <sup>5</sup> Cord Mount	EMRMRDC5C 7W Remote EM with RDC5C		CR9B <sup>9</sup> Blank EMCRC canopy to match when ordering other fixtures with the EMCRC option	
		27HK 2700K				CD <sup>5</sup> Cord / Cable Mount	EMENRDC5C 7W Remote EM with Enclosure & RDC5C			
	30HK 3000K				CD72 <sup>5</sup> 72" Cord / Cable Mount					
	35HK 3500K									
CF0618PC 6" x 18"		40HK 4000K								

GREEN TEXT INDICATES QUICK SHIP OPTIONS

EXAMPLE: CF0606PC40L35KNDEX/NL/HMEMCRC/MW

**NOTES:**

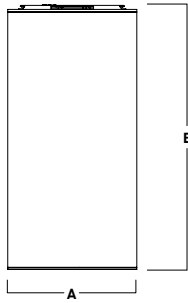
- 1 Nominal Delivered Lumens at 3500K
- 2 Consult Factory for Additional Options
- 3 See Mounting Page for Details on Components and Finishes
- 4 Specify Length in Inches: See Mounting Page for Available Lengths
- 5 EMRM & EMEN Options Comes with RDC5C Canopy with CD & CM Mounting
- 6 Reference color sheet located on product webpage for full list of available colors
- 7 Standard Finishes
- 8 Order These Canopies When Matching Mounting Between EM and non-EM Fixtures
- 9 Use RDC5CB When Looking to Match Mounting of CM or CD fixtures with EMRMRDC5C & EMENRDC5C options.
- 10 Use CR9B When Looking to Match Mounting EMCRC Equipped Fixtures





# 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 <sup>1</sup>	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

<sup>1</sup> 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, 3500K, 4000K in CRI 90 (Typ.), color accuracy  $\leq 3$  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 Cm & Cd mounted Gamma fixtures ordered with a remote emergency battery come standard with the RDC5CB 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

CD

CORD / CABLE MOUNT



CF0612PC SHOWN WITH CD

CD & RDC5C

CORD / CABLE MOUNT



CF0612PC SHOWN WITH CD & RDC5C CANOPY

CM

CORD MOUNT



CF0612PC SHOWN WITH CM

CM & RDC5C

CORD MOUNT



CF0612PC SHOWN WITH CM & RDC5C CANOPY

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 48%	10'	168 fc	2.4'	82 fc	26'	5''*	112	1.15	92	1.05	
	5°	0° - 30° 11572 67%	12'	117 fc	2.8'	57 fc	30'	6''**	79	0.82	66	0.75	
	15°	0° - 40° 1784 88%	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 100%	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° 997 100%	20'	42 fc	4.7'	21 fc	* Average Footcandles at 2.5' Above Floor						
	45°	0° - 90° 330 100%	24'	29 fc	5.7'	14 fc	** Exceeds Spacing Ratio by 1%						
	55°	0° - 90° 5 100%	28'	21 fc	6.6'	11 fc	*** Exceeds Spacing Ratio by 2%						
	90°	0° - 90° 0 100%	Total	2941	100%								

Delivered Lumens: 2941  
Luminaire Watts: 27.4  
LER: 107.34

CP at 0° (Nadir): 16841  
CRI: 80

Beam Angle: 13°  
Spacing Ratio: 0.23

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

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° 1281 44%	10'	57 fc	5.5'	26 fc	22'	8'	40	0.40	32	0.36	
	5°	0° - 30° 5293 66%	12'	39 fc	6.6'	18 fc	26'	10'	26	0.26	21	0.24	
	15°	0° - 40° 2574 88%	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 100%	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 100%	20'	14 fc	11.0'	6 fc	* Average Footcandles at 2.5' Above Floor						
	45°	0° - 90° 297 100%	24'	10 fc	13.2'	4 fc							
	55°	0° - 90° 10 100%	28'	7 fc	15.3'	3 fc							
	90°	0° - 90° 0 100%	Total	2926	100%								

Delivered Lumens: 2926  
Luminaire Watts: 27.4  
LER: 106.79

CP at 0° (Nadir): 1281  
CRI: 80

Beam Angle: 30°  
Spacing Ratio: 0.50

Lumen Multiplier: 10L x 0.25, 15L x 0.37, 20L x 0.50, 30L x 0.75  
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 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° 1071 37%	10'	34 fc	9.9'	13 fc	18'	8'	41	0.38	36	0.38	
	5°	0° - 30° 3326 66%	12'	24 fc	11.9'	9 fc	22'	10'	31	0.29	21	0.23	
	15°	0° - 40° 2624 89%	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 99%	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 99%	20'	9 fc	19.8'	3 fc	* Average Footcandles at 2.5' Above Floor						
	45°	0° - 90° 225 100%	24'	6 fc	23.8'	2 fc							
	55°	0° - 90° 21 100%	28'	4 fc	27.7'	2 fc							
	90°	0° - 90° 2 100%	Total	2913	100%								

Delivered Lumens: 2913  
Luminaire Watts: 27  
LER: 107.89

CP at 0° (Nadir): 3445  
CRI: 80

Beam Angle: 53°  
Spacing Ratio: 0.76

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

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		CD CANOPY		CD RDC5C CANOPY		CM CANOPY		CM RDC5C CANOPY		SM CANOPY	EMCRC CANOPY	
<b>A</b>	<b>B</b>	<b>A</b>	<b>B</b>	<b>A</b>	<b>B</b>	<b>A</b>	<b>B</b>	<b>A</b>	<b>B</b>	<b>A</b>	<b>B</b>	
5.0 127.0 mm	1.5 38.1 mm	5.0 127.0 mm	.25 6.4 mm	5.3 134.6 mm	2.5 63.5 mm	5.0 127.0 mm	.25 6.4 mm	5.3 134.6 mm	2.5 63.5 mm	4.9 124.5 mm	9.0 228.6 mm	3.25 82.6 mm

## MOUNTING TYPES

<p><b>HM*</b> HANG STRAIGHT 45° SWIVEL 5/8" OD STEM - 3/8" IP</p> <p>ORDER: <b>HM</b> (Length) SPECIFY LENGTH: <b>HM3</b> - 3"    <b>HM24</b> - 24" <b>HM6</b> - 6"    <b>HM36</b> - 36" <b>HM12</b> - 12"    36" <b>HM18</b> - 18"    <b>HM48</b> - 48" <b>HMLC(XX)</b>    <b>HM72</b> - 72" Custom Length (Specify in Inches)</p>	<p><b>PM*</b> RIGID PENDANT MOUNT RIGID 5/8" OD STEM - 3/8" IP</p> <p>ORDER: <b>PM</b> (Length) SPECIFY LENGTH: <b>PM3</b> - 3"    <b>PM24</b> - 24" <b>PM6</b> - 6"    <b>PM36</b> - 36" <b>PM12</b> - 12"    <b>PM48</b> - 48" <b>PM18</b> - 18"    <b>PM72</b> - 72" <b>PMLC(XX)</b> Custom Length (Specify in Inches)</p>	<p><b>AT**</b> HANG STRAIGHT ALL THREAD 45° SWIVEL 5/8" OD STEM - 1/4" IP</p> <p>ORDER: <b>AT</b> (Length) SPECIFY LENGTH: <b>AT12</b> - 12" <b>AT24</b> - 24" <b>AT36</b> - 36"</p> <p>FIELD CUT. THREADED PIPE TO LENGTH NEEDED CUT "PIPE COVER" .3/4" SHORTER THAN THREADED PIPE SLIP "PIPE COVER" OVER THREADED PIPE</p>	<p><b>CM</b> CORD MOUNT SJ CORD WITH STRAIN RELIEF</p> <p>ORDER: <b>CM</b> (Length) SPECIFY LENGTH: <b>CM36</b> - 36" <b>CM72</b> - 72" <b>CM144</b> - 144" <b>CMLC(XX)</b> Custom Length (Specify in Inches)</p>	<p><b>CD</b> CORD / CABLE MOUNT SJ CORD WITH 1/16" SS CABLE</p> <p>ORDER: <b>CD</b> (Length) SPECIFY LENGTH: <b>CD36</b> - 36" <b>CD72</b> - 72" <b>CD144</b> - 144" <b>CDLC(XX)</b> Custom Length (Specify in Inches)</p>	<p><b>SM</b> SURFACE MOUNT</p> <p>ORDER: <b>SM</b> (Flush to Ceiling)</p>
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\*MAXIMUM ONE PIECE STEM LENGTH IS 72". \*\*MAXIMUM ONE PIECE STEM LENGTH IS 36". LONGER LENGTHS ARE POSSIBLE USING MULTIPLE STEMS AND COUPLERS.

## REMOTE EMERGENCY BATTERY OPTIONS

<p><b>EMRM*</b> - 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><b>EMEN*</b> - 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 <b>EMMRDC5C</b> AND <b>EMENRDC5C</b> OPTIONS COME STANDARD WITH <b>RDC5C</b> SMALL DRIVER CANOPY</p> <p>OTHER EM BATTERY SIZES AVAILABLE, CONSULT FACTORY</p>													

