



**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>		FINISH <sup>7</sup>								
CF0606PC 6" x 6"	50L	3850 Lm	80 CRI	ND	13°	EX	Electronic Driver, 120V/277V 1%, 0-10V, 120V/277V	NL	No Lens	RDC5C <sup>4</sup>	Small Driver Canopy	MW <sup>8</sup>	Matte White						
			27K	2700K	MD					30°	DO10X			ELV/MLV, 120V	HM <sup>5</sup>	Hang Straight	MB <sup>8</sup>	Matte Black	
			30K	3000K	WD					53°	DS2W1				PM <sup>5</sup>	Rigid Pendant Mount	PT <sup>8</sup>		Platinum Silver
			35K	3500K	XW					78°					AT <sup>5</sup>	Hang Straight All Thread	CC		
CF0612PC 6" x 12"			40K	4000K					CM <sup>5/6</sup>	Cord Mount									
CF0618PC 6" x 18"			90 CRI							CD <sup>5/6</sup>	Cord / Cable Mount								
			27HK	2700K						EMERGENCY BATTERY OPTIONS			See Page 5 for Full Range of Color Options (83-90095)						
			30HK	3000K						EMCRC <sup>4/6</sup>	10W Canopy Mounted EM								
									EMRM <sup>6</sup>	7W Remote EM									
										EMEN <sup>6</sup>	7W Remote with Enclosure								

EXAMPLE: CF0606PC50L35KNDEX/NL/RDC5CHM36/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 EMCRC Replaces RDC5C, Order with RDC5C Otherwise 5 Specify Length in Inches: See Mounting Page for Available Lengths 6 EMxx Option Not Available with CD and CM Mounting 7 See Color Page for More Options/Consult Factory for Special Finishes 8 Standard Finishes



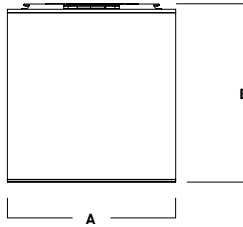


# 6" ROUND DIRECT DAMP LOCATION GAMMA SERIES

LUMENS / WATTAGE DATA			
PART NUMBER	DELIVERED LUMENS <sup>1</sup>	SYSTEM WATTS	LPW
CF0606PC 50L	3850	36.6	105

<sup>1</sup> Nominal Delivered Lumens at 3500K, Medium Optic with No Lens

## DIMENSIONS



Dimensioned with **CF0606PC**

SERIES	A	B
<b>CF0606PC</b>	6.1	6.4
<b>CF0612PC</b>	6.1	12.4
<b>CF0618PC</b>	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 in CRI 90 (Typ.), color accuracy  $\leq 3$  SDCM. Selection of canopy mounted 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. 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. 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 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



CF0606PC SHOWN WITH RDC5CPM

**CD**

CORD / CABLE MOUNT



CF0606PC SHOWN WITH RDC5CCD

**CM**

CORD MOUNT



CF0606PC SHOWN WITH RDC5CCM





# 6" ROUND DIRECT

## GAMMA SERIES / PHOTOMETRIC DATA

### CF06XXPC 50L 35K ND XX NL XX

CANDLEPOWER CURVE TEST SP-01098_M-50L	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° 1204 31%	12'	168 fc	2.9'	82 fc	22'	4'	224	2.31	185	2.13	
	0°	0° - 20° 1929 50%	14'	123 fc	3.3'	60 fc	26'	5'''	148	1.53	123	1.41	
	5°	0° - 30° 2654 69%	16'	94 fc	3.8'	46 fc	30'	6'''	105	1.09	87	1.00	
	15°	0° - 40° 3476 90%	20'	60 fc	4.8'	30 fc	Delivered Illuminance Rating: (DIR)						
	25°	0° - 60° 3866 100%	24'	42 fc	5.7'	21 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° 3870 100%	28'	31 fc	6.7'	15 fc	* Average Footcandles at 2.5' Above Floor						
	45°	0° - 90° 3871 100%	32'	24 fc	7.6'	12 fc	** Exceeds Spacing Ratio by 1%						
	55°	0° - 90° 3871 100%	36'	19 fc	8.6'	9 fc	*** Exceeds Spacing Ratio by 2%						
	90°	0° 0	Total	3871	100%								

Delivered Lumens: 3871      CP at 0° (Nadir): 24134      Beam Angle: 14°      Lumen Multiplier: 10L x 0.20, 15L x 0.29, 20L x 0.40, 30L x 0.60, 40L x 0.80  
 Luminaire Watts: 36.6      Spacing Ratio: 0.23      CCT Multiplier: 27K x 0.97, 30K x 0.98, 40K x 1.04  
 LER: 105.77      CRI: 80      See Page 1 for System Watts for all outputs

### CF06XXPC 50L 35K MD XX NL XX

CANDLEPOWER CURVE TEST SP-01097_M-50L	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° 652 17%	10'	78 fc	5.4'	35 fc	18'	6'	89	0.89	71	0.80	
	0°	0° - 20° 1742 45%	12'	54 fc	6.5'	24 fc	22'	8'	53	0.53	42	0.48	
	5°	0° - 30° 2594 67%	14'	40 fc	7.6'	18 fc	26'	10'	35	0.35	28	0.32	
	15°	0° - 40° 3442 89%	16'	30 fc	8.7'	14 fc	Delivered Illuminance Rating: (DIR)						
	25°	0° - 60° 3844 100%	20'	19 fc	10.9'	9 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° 3848 100%	24'	13 fc	13.1'	6 fc	* Average Footcandles at 2.5' Above Floor						
	45°	0° - 90° 3850 100%	28'	10 fc	15.2'	4 fc							
	55°	0° - 90° 3850 100%	32'	8 fc	17.4'	3 fc							
	90°	0° 0	Total	3850	100%								

Delivered Lumens: 3850      CP at 0° (Nadir): 7774      Beam Angle: 30°      Lumen Multiplier: 10L x 0.20, 15L x 0.29, 20L x 0.40, 30L x 0.60, 40L x 0.80  
 Luminaire Watts: 36.6      Spacing Ratio: 0.50      CCT Multiplier: 27K x 0.97, 30K x 0.98, 40K x 1.04  
 LER: 105.19      CRI: 80      See Page 1 for System Watts for all outputs

### CF06XXPC 50L 35K WD XX NL XX

CANDLEPOWER CURVE TEST SP-01292_M-50L	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° 423 11%	6'	128 fc	5.9'	47 fc	14'	6'	108	0.99	94	0.99	
	0°	0° - 20° 1426 38%	8'	72 fc	7.9'	26 fc	18'	8'	53	0.49	47	0.49	
	5°	0° - 30° 2540 67%	10'	46 fc	9.8'	17 fc	22'	10'	40	0.37	28	0.29	
	15°	0° - 40° 3431 91%	12'	32 fc	11.8'	12 fc	Delivered Illuminance Rating: (DIR)						
	25°	0° - 60° 3756 99%	14'	24 fc	13.7'	9 fc	108 FC per W/Sq. Ft.      95 FC per W/Sq. Ft.						
	35°	0° - 80° 3761 100%	16'	18 fc	15.7'	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						
	45°	0° - 90° 3763 100%	20'	12 fc	19.6'	4 fc	* Average Footcandles at 2.5' Above Floor						
	55°	0° - 90° 3775 100%	24'	8 fc	23.6'	3 fc							
	90°	0° 2	Total	3775	100%								

Delivered Lumens: 3775      CP at 0° (Nadir): 4624      Beam Angle: 52°      Lumen Multiplier: 10L x 0.20, 15L x 0.29, 20L x 0.40, 30L x 0.60, 40L x 0.80  
 Luminaire Watts: 35      Spacing Ratio: 0.78      CCT Multiplier: 27K x 0.97, 30K x 0.98, 40K x 1.04  
 LER: 107.86      CRI: 80      See Page 1 for System Watts for all outputs





# 6" ROUND DIRECT

## GAMMA SERIES / PHOTOMETRIC DATA

CF06XXPC 50L 35K XW XX NL XX

CANDLEPOWER CURVE TEST SP-01099_M-50L	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°	268	7%	Mounting Height AFF	FC at Center on Floor	Beam Diameter	FC at Beam Edge	Ceiling Height	Fixture Spacing	RCR 1		RCR 3		
	0°	2763	0° - 20°	1041	27%	6'	77 fc	9.8'	18 fc	14'	8'	65	0.58	56	0.59
	5°	2748	0° - 30°	2200	58%	8'	43 fc	13.0'	10 fc	18'	10'	38	0.34	28	0.29
	15°	2709	0° - 40°	3352	88%	10'	28 fc	16.3'	6 fc	22'	12'	26	0.23	16	0.17
	25°	2534	0° - 60°	3778	100%	12'	19 fc	19.6'	4 fc	Delivered Illuminance Rating: (DIR)					
	35°	1924	0° - 80°	3788	100%	14'	14 fc	22.8'	3 fc	111 FC per W/Sq. Ft.					
	45°	467	0° - 90°	3791	100%	16'	11 fc	26.1'	3 fc	95 FC per W/Sq. Ft.					
	55°	3	Total	3791	100%	20'	7 fc	32.6'	2 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					
	90°	1				24'	5 fc	39.1'	1 fc						

Delivered Lumens: **3791**  
Luminaire Watts: **36.6**  
LER: **103.58**

CP at 0° (Nadir): **2763**  
CRI: **80**

Beam Angle: **78°**  
Spacing Ratio: **1.21**

Lumen Multiplier: 10L x 0.20, 15L x 0.29, 20L x 0.40, 30L x 0.60, 40L x 0.8  
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

# 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 RDC5C CANOPY		CM RDC5C CANOPY		CD RDC5C 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>
5.3	2.5	5.3	2.5	5.3	2.5	9.0	3.25
134.6 mm	63.5 mm	134.6 mm	63.5 mm	134.6 mm	63.5 mm	228.6 mm	82.6 mm

## MOUNTING TYPES

HM*	PM*	AT**	CM	CD
HANG STRAIGHT 45° SWIVEL 5/8" OD STEM - 3/8" IP	RIGID PENDANT MOUNT RIGID 5/8" OD STEM - 3/8" IP	HANG STRAIGHT ALL THREAD 45° SWIVEL 5/8" OD STEM - 1/4" IP	CORD MOUNT SJ CORD WITH STRAIN RELIEF	CORD / CABLE MOUNT SJ CORD WITH 1/16 SS CABLE
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" <b>HM48</b> - 48" <b>HM18</b> - 18" <b>HM72</b> - 72" <b>HMLC(XX)</b> Custom Length (Specify in Inches)	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)	ORDER: <b>AT</b> (Length) SPECIFY LENGTH: <b>AT12</b> - 12" <b>AT24</b> - 24" <b>AT36</b> - 36"  	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)	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)
*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

EMRM* - 7W REMOTE EMERGENCY BATTERY (50' MAX)			EMEN* - 7W REMOTE EMERGENCY BATTERY WITH ENCLOSURE (50' MAX)		
<b>A</b>	<b>B</b>	<b>C</b>	<b>A</b>	<b>B</b>	<b>C</b>
1.3	12.6	13.0	2.0	17.0	6.2

\*OTHER EM BATTERY SIZES AVAILABLE, CONSULT FACTORY



# 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

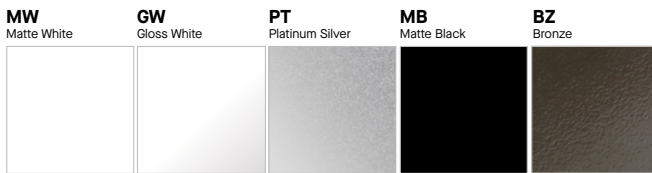
FIXTURE COLOR	STANDARD CORD COLOR	STANDARD CANOPY / STEM COLOR
Matte White, Textured White	Matte White	Matte White
Gloss White	Matte White	Gloss White
Matte Black, Textured Black	Matte Black	Matte Black
All Others	Matte Black	Same Color as Fixture
Custom Color	Contact Factory	Contact Factory

## PAINT TIMES

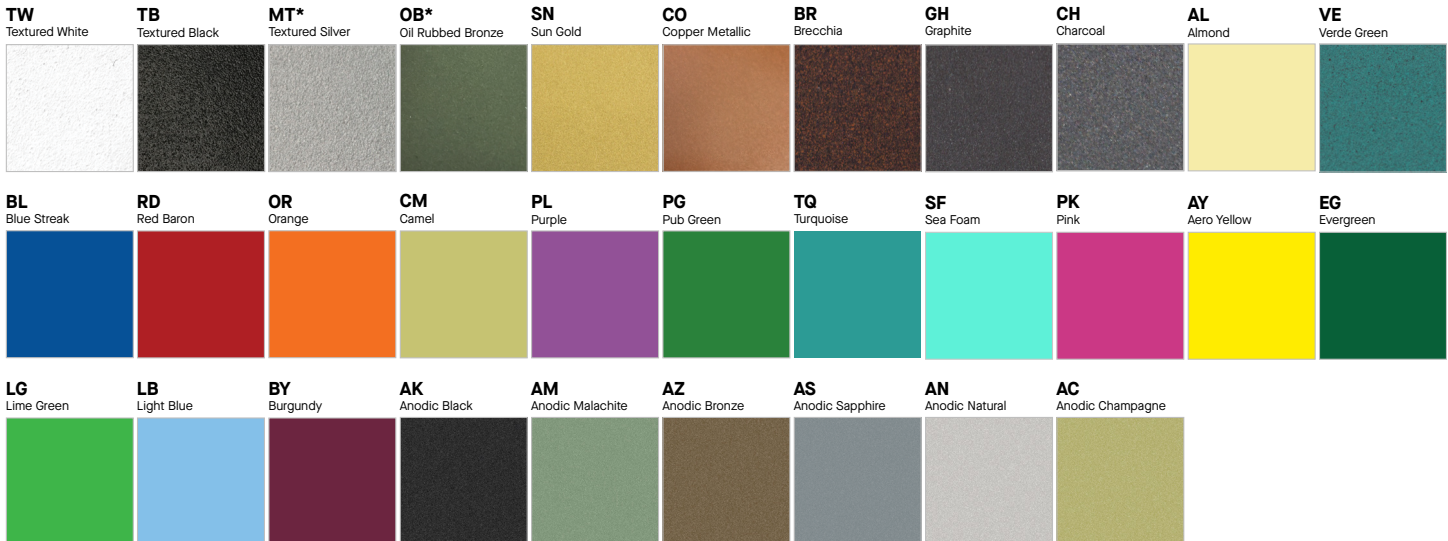
TIER	COST	AVERAGE PAINT TIME*
Tier 1 - Standard Finishes	\$	⓪
Tier 2 - Typical Finishes	\$\$	⓪⓪
Custom Color	Contact Factory	Contact Factory

\*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

