



**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 ⁷		
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 ⁴	Small Driver Canopy	MW ⁸	Matte White	
			27K	2700K	MD					30°	DO10X		1%, 0-10V, 120V/277V	HM ⁵
CF0612PC 6" x 12"			30K	3000K	WD	53°	DS2W1	ELV/MLV, 120V			PM ⁵	Rigid Pendant Mount	PT ⁸	Platinum Silver
			35K	3500K	XW	78°					AT ⁵	Hang Straight All Thread		CC
CF0618PC 6" x 18"			40K	4000K						CM ^{5/6}	Cord Mount			
										CD ^{5/6}	Cord / Cable Mount			
					90 CRI						EMERGENCY BATTERY OPTIONS			
					27HK	2700K					EMRM ^{4/6}	10W Canopy Mounted EM		
		30HK	3000K					EMRM ⁶	7W Remote EM					
		35HK	3500K					EMEN ⁶	7W Remote EM with Enclosure					
		40HK	4000K											

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 in Inches: See Mounting Page for Available Lengths 6 EMxx Option Not Available with CD and CM Mounting 7 Reference Color Sheet Located on Product Webpage for Full List of Available Colors 8 Standard Finishes



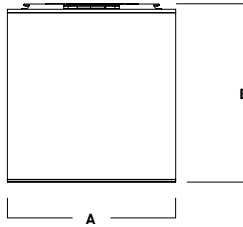


6" ROUND DIRECT DAMP LOCATION GAMMA SERIES

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

¹ Nominal Delivered Lumens at 3500K, Medium Optic with No Lens

DIMENSIONS



Dimensioned with **CF0606PC**

SERIES	A	B
CF0606PC	6.1	6.4
CF0612PC	6.1	12.4
CF0618PC	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 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 * Average Footcandles at 2.5' Above Floor ** Exceeds Spacing Ratio by 1% *** Exceeds Spacing Ratio by 2%					
	35°	0° - 80° 3870 100%	28'	31 fc	6.7'	15 fc						
	45°	0° - 90° 3871 100%	32'	24 fc	7.6'	12 fc						
	55°	2	Total 3871 100%	36'	19 fc	8.6'	9 fc					
	90°	0										

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, 27HK x 0.78, 30HK x 0.83
 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 * Average Footcandles at 2.5' Above Floor					
	35°	0° - 80° 3848 100%	24'	13 fc	13.1'	6 fc						
	45°	352	0° - 90° 3850 100%	28'	10 fc	15.2'	4 fc					
	55°	3	Total 3850 100%	32'	8 fc	17.4'	3 fc					
	90°	0										

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, 27HK x 0.78, 30HK x 0.83
 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	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° 3761 100%	16'	18 fc	15.7'	7 fc						
	45°	382	0° - 90° 3763 100%	20'	12 fc	19.6'	4 fc					
	55°	3	Total 3775 100%	24'	8 fc	23.6'	3 fc					
	90°	2										

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, 27HK x 0.78, 30HK x 0.83
 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		CM & RDC5C		CD & RDC5C		EMCRC	
A	B	A	B	A	B	A	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

<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" HM48 - 48" HM18 - 18" HM72 - 72" HMLC(XX) 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>FIELD CUTTABLE</p> <p>ORDER: AT (Length) SPECIFY LENGTH: AT12 - 12" AT24 - 24" AT36 - 36"</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>
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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>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											

*OTHER EM BATTERY SIZES AVAILABLE, CONSULT FACTORY

