



**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°	MD 30°	EX Electronic Driver, 120V/277V	NL No Lens			RDC5C⁴ Small Driver Canopy	MW⁸ Matte White	MB⁸ Matte Black	PT⁸ Platinum Silver	CC Custom Color		
			27K 2700K							DO10X 1%, 0-10V, 120V/277V					HM⁵ Hang Straight	
CF0612PC 6" x 12"			30K 3000K	WD 53°	DS2W1 ELV/MLV, 120V					PM⁵ Rigid Pendant Mount						
			35K 3500K												AT⁵ Hang Straight All Thread	
CF0618PC 6" x 18"			40K 4000K	XW 78°						CM^{5/6} Cord Mount						
			90 CRI												CD^{5/6} Cord / Cable Mount	
			EMERGENCY BATTERY OPTIONS													
			EMRM^{4/6} 10W Canopy Mounted EM												EMRM⁶ 7W Remote EM	See Page 4 for Full Range of Color Options (83-90165)
EMEN⁶ 7W Remote EM 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 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



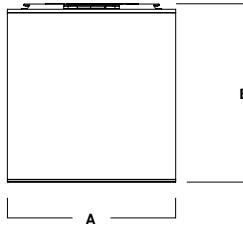


6" ROUND DIRECT DAMP LOCATION GAMMA SERIES

LUMENS / WATTAGE DATA			
PART NUMBER	DELIVERED LUMENS 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					
	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%							
			CP at 0° (Nadir): 24134	Beam Angle: 14°	Spacing Ratio: 0.23		Lumen Multiplier: 10L x 0.20, 15L x 0.29, 20L x 0.40, 30L x 0.60, 40L x 0.80 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					
Delivered Lumens: 3871 Luminaire Watts: 36.6 LER: 105.77		CRI: 80										

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%							
			CP at 0° (Nadir): 7774	Beam Angle: 30°	Spacing Ratio: 0.50		Lumen Multiplier: 10L x 0.20, 15L x 0.29, 20L x 0.40, 30L x 0.60, 40L x 0.80 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					
Delivered Lumens: 3850 Luminaire Watts: 36.6 LER: 105.19		CRI: 80										

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					
	35°	0° - 80° 3761 100%	16'	18 fc	15.7'	7 fc	* Average Footcandles at 2.5' Above Floor					
	45°	0° - 90° 3763 100%	20'	12 fc	19.6'	4 fc						
	55°	0° - 90° 3775 100%	24'	8 fc	23.6'	3 fc						
	90°	0° 2	Total	3775	100%							
			CP at 0° (Nadir): 4624	Beam Angle: 52°	Spacing Ratio: 0.78		Lumen Multiplier: 10L x 0.20, 15L x 0.29, 20L x 0.40, 30L x 0.60, 40L x 0.80 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					
Delivered Lumens: 3775 Luminaire Watts: 35 LER: 107.86		CRI: 80										





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

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: 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: AT (Length) SPECIFY LENGTH: AT12 - 12" AT24 - 24" AT36 - 36" FIELD CUT THREADED PIPE TO LENGTH NEEDED CUT *PIPE COVER* 3/4" SHORTER THAN THREADED PIPE SLIP *PIPE COVER* OVER THREADED PIPE	ORDER: CM (Length) SPECIFY LENGTH: CM36 - 36" CM72 - 72" CM144 - 144" CMLC(XX) Custom Length (Specify in Inches)	ORDER: CD (Length) SPECIFY LENGTH: CD36 - 36" CD72 - 72" CD144 - 144" CDLC(XX) 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)
A B C	A B C
1.3 12.6 13.0	2.0 17.0 6.2

*OTHER EM BATTERY SIZES AVAILABLE, CONSULT FACTORY

