



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

PROJECT: _____
 QUANTITY: _____ TYPE: _____



CF0406PC



CF0412PC



CF0418PC

SERIES	LUMENS ¹		CCT	OPTICS		DRIVER / DIMMING ²		LENS		MOUNTING ³		FINISH ⁶			
	30L	2400 Lm		ND	20°	EX	Electronic Driver, 120V/277V	NL	No Lens	RDC5C ⁴	Small Driver Canopy	MW ⁵	Matte White		
CF0406PC 4" x 6"			80 CRI	ND	20°	EX	Electronic Driver, 120V/277V				RDC5C ⁴	Small Driver Canopy	MW ⁵	Matte White	
			27K	2700K	MD	26°	DO10X				1%, 0-10V, 120V/277V	HM ⁵	Hang Straight	MB ⁵	Matte Black
			30K	3000K	WD	51°	DS2W1				ELV/MLV, 120V	PM ⁵	Rigid Pendant Mount	PT ⁵	Platinum Silver
			35K	3500K	XW	61°						AT ⁵	Hang Straight All Thread	CC	Custom Color
CF0412PC 4" x 12"			80 CRI												
			27K	2700K											
			30K	3000K											
			35K	3500K											
CF0418PC 4" x 18"			80 CRI												
			27K	2700K											
			30K	3000K											
			35K	3500K											
			90 CRI												
			27HK	2700K											
			30HK	3000K											
			35HK	3500K											
			40HK	4000K											
										EMERGENCY BATTERY OPTIONS		See Page 6 for Full Range of Color Options (83-90095)			
										EMCRC ^{6/7}	10W Canopy Mounted EM				
										EMRM ^{6/7}	7W Remote EM				
										EMEN ^{6/7}	7W Remote with Enclosure				

EXAMPLE: CF0418PC30L35KNDEX/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 EMRM & EMEN Option Comes with RDC5C Canopy with CD and CM Mounting 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



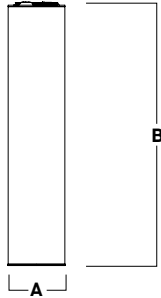


4" ROUND DIRECT DAMP LOCATION GAMMA SERIES

LUMENS / WATTAGE DATA			
PART NUMBER	DELIVERED LUMENS*	SYSTEM WATTS	LPW
CF0418PC 30L	2364	20.4	116

*Nominal Delivered Lumens at 3500K, Narrow Optic with No Lens

DIMENSIONS



Dimensioned with **CF0418PC**

SERIES	A	B
CF0406PC	4.0	6.4
CF0412PC	4.0	12.4
CF0418PC	4.0	19.2

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 5 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

CF0406PC



CF0412PC



CF0418PC



STANDARD FINISHES SHOWN WITH CF0412PC

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



CF0418PC SHOWN WITH RDC5CPM

CD

CORD / CABLE MOUNT



CF0418PC SHOWN WITH RDC5CCD

CM

CORD MOUNT



CF0418PC SHOWN WITH RDC5CCM





4" ROUND DIRECT

GAMMA SERIES / PHOTOMETRIC DATA

CF04XXPC 30L 35K ND XX NL XX

CANDLEPOWER CURVE TEST SP-01134	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° 817 35%	10'	122 fc	3.3'	59 fc	18'	4'	148	1.34	121	1.18
	0°	0° - 20° 1557 66%	12'	85 fc	4.0'	41 fc	22'	5'	85	0.77	69	0.68
	5°	0° - 30° 2036 86%	14'	62 fc	4.6'	30 fc	26'	6'	55	0.50	65	0.63
	15°	0° - 40° 2333 99%	16'	48 fc	5.3'	23 fc	Delivered Illuminance Rating: (DIR)					
	25°	0° - 60° 2357 100%	20'	31 fc	6.6'	15 fc	111 FC per W/Sq. Ft.					
	35°	0° - 80° 2362 100%	24'	21 fc	8.0'	10 fc	102 FC per W/Sq. Ft.					
	45°	0° - 90° 2364 100%	28'	16 fc	9.3'	7 fc	3' Suspension Length to luminous aperture Square rooms used for multiple units: RCR 4: Length & Width = Ceiling Ht. - 5.5' x 2.50 RCR 6: Length & Width = Ceiling Ht. - 5.5' x 1.66 * Average Footcandles at 2.5' Above Floor					
	55°	0° - 90° 2364 100%	32'	12 fc	10.6'	6 fc						
	90°	Total 2364 100%										

Delivered Lumens: 2364
Luminaire Watts: 20.4
LER: 115.88

CP at 0° (Nadir): 12202
CRI: 80

Beam Angle: 19°
Spacing Ratio: 0.32

Lumen Multiplier: 10L x 0.33, 15L x 0.49, 20L x 0.67
CCT Multiplier: 27K x 0.972, 30K x 0.981, 40K x 1.04
27HK x 0.78, 30HK x 0.82

CF04XXPC 30L 35K MD XX NL XX

CANDLEPOWER CURVE TEST SP-01133	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° 621 25%	8'	124 fc	3.7'	58 fc	14'	4'	154	1.30	152	1.41
	0°	0° - 20° 1513 62%	10'	80 fc	4.6'	37 fc	18'	6"	76	0.65	75	0.70
	5°	0° - 30° 2090 86%	12'	55 fc	5.5'	26 fc	22'	8"	35	0.29	29	0.27
	15°	0° - 40° 2407 99%	14'	41 fc	6.5'	19 fc	Delivered Illuminance Rating: (DIR)					
	25°	0° - 60° 2434 100%	16'	31 fc	7.4'	14 fc	118 FC per W/Sq. Ft.					
	35°	0° - 80° 2438 100%	20'	20 fc	9.2'	9 fc	108 FC per W/Sq. Ft.					
	45°	0° - 90° 2440 100%	24'	14 fc	11.1'	6 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 ** Exceeds Spacing Ratio by 3% *** Exceeds Spacing Ratio by 6%					
	55°	0° - 90° 2440 100%	28'	10 fc	12.9'	5 fc						
	90°	Total 2440 100%										

Delivered Lumens: 2440
Luminaire Watts: 20.4
LER: 119.61

CP at 0° (Nadir): 7966
CRI: 80

Beam Angle: 26°
Spacing Ratio: 0.43

Lumen Multiplier: 10L x 0.33, 15L x 0.49, 20L x 0.67
CCT Multiplier: 27K x 0.972, 30K x 0.981, 40K x 1.04
27HK x 0.78, 30HK x 0.82

CF04XXPC 30L 35K WD XX NL XX

CANDLEPOWER CURVE TEST SP-01135	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° 333 14%	6'	95 fc	5.7'	35 fc	14'	6'	69	0.58	62	0.58
	0°	0° - 20° 1161 49%	8'	53 fc	7.6'	20 fc	18'	8'	34	0.29	31	0.29
	5°	0° - 30° 1981 83%	10'	34 fc	9.5'	13 fc	22'	10'	26	0.22	18	0.17
	15°	0° - 40° 2355 99%	12'	24 fc	11.4'	9 fc	Delivered Illuminance Rating: (DIR)					
	25°	0° - 60° 2381 100%	14'	17 fc	13.3'	6 fc	120 FC per W/Sq. Ft.					
	35°	0° - 80° 2386 100%	16'	13 fc	15.2'	5 fc	107 FC per W/Sq. Ft.					
	45°	0° - 90° 2388 100%	20'	9 fc	19.0'	3 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					
	55°	0° - 90° 2388 100%	24'	6 fc	22.8'	2 fc						
	90°	Total 2388 100%										

Delivered Lumens: 2388
Luminaire Watts: 20.4
LER: 117.06

CP at 0° (Nadir): 3404
CRI: 80

Beam Angle: 51°
Spacing Ratio: 0.81

Lumen Multiplier: 10L x 0.33, 15L x 0.49, 20L x 0.67
CCT Multiplier: 27K x 0.972, 30K x 0.981, 40K x 1.04
27HK x 0.78, 30HK x 0.82





4" ROUND DIRECT

GAMMA SERIES / PHOTOMETRIC DATA

CF04XXPC 30L 35K XW XX NL XX

CANDLEPOWER CURVE TEST SP-01136	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° 260 11%	6'	77 fc	7.2'	24 fc	14'	8'	40	0.33	35	0.33	
	0°	0° - 20° 977 40%	8'	43 fc	9.5'	14 fc	18'	10'	27	0.22	17	0.16	
	5°	0° - 30° 1889 77%	10'	28 fc	11.9'	9 fc	22'	12'	16	0.13	10	0.10	
	15°	0° - 40° 2366 98%	12'	19 fc	14.3'	6 fc	Delivered Illuminance Rating: (DIR)		121 FC per W/Sq. Ft.		107 FC per W/Sq. Ft.		
	25°	0° - 60° 2435 100%	14'	14 fc	16.7'	4 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° 2440 100%	16'	11 fc	19.1'	3 fc							
	45°	0° - 90° 2442 100%	20'	7 fc	23.9'	2 fc							
	55°	2	24'	5 fc	28.6'	2 fc							
	90°	1	Total 2442 100%										

Delivered Lumens: 2442
 Luminaire Watts: 20.4
 LER: 119.71

CP at 0° (Nadir): 2755
 CRI: 80

Beam Angle: 62°
 Spacing Ratio: 0.99

Lumen Multiplier: 10L x 0.33, 15L x 0.49, 20L x 0.67
 CCT Multiplier: 27K x 0.972, 30K x 0.981, 40K x 1.04
 27HK x 0.78, 30HK x 0.82



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	
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" 36" HM18 - 18" HM48 - 48" HMLC(XX) HM72 - 72" 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" 	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

