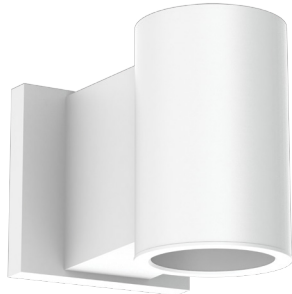




**4" ROUND DIRECT
DAMP LOCATION
GAMMA SERIES**

PROJECT: _____
 QUANTITY: _____ TYPE: _____



CF0406PC



CF0412PC



CF0418PC

SERIES	LUMENS ¹		CCT	OPTICS		DRIVER / DIMMING ²		LENS	MOUNTING ³		FINISH ⁴										
CF0406PC 4" x 6"	10L	700 Lm	80 CRI	ND	20°	EX	Electronic Driver, 120V/277V	NL	WM	Wall Mount	MW ⁵	Matte White									
	15L	1050 Lm	27K										2700K	MD	26°	DO10X	1%, 0-10V, 120V/277V	CL	Clear Glass Lens	MB ⁵	Matte Black
	20L	1450 Lm	30K										3000K								
35K			3500K	XW	61°	HL	Hex Louver	CC	Custom Color												
CF0412PC 4" x 12"			90 CRI																		
			27HK	2700K	EMRM	7W Remote EM															
			30HK	3000K			EMEN	7W Remote with Enclosure													
CF0418PC 4" x 18"			90 CRI																		
			27HK				2700K	EMRM							7W Remote EM						
			30HK				3000K									EMEN	7W Remote with Enclosure				
EMERGENCY BATTERY OPTIONS											See Page 5 for Full Range of Color Options (83-90095)										

EXAMPLE: CF0406PC15L35KNDEX/CL/WM/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 See Color Page for More Options/Consult Factory for Special Finishes 5 Standard Finishes



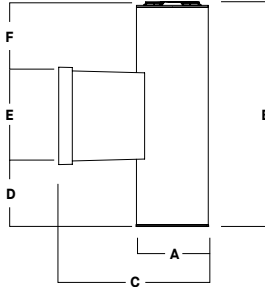


4" ROUND DIRECT DAMP LOCATION GAMMA SERIES

LUMENS / WATTAGE DATA			
PART NUMBER	DELIVERED LUMENS ¹	SYSTEM WATTS	LPW
CF0412PC 10L	736	6.5	113
CF0412PC 15L	1089	9.5	115
CF0412PC 20L	1471	12.9	114

¹ Nominal Delivered Lumens at 3500K, 80 CRI, Medium Optic with Clear Lens

DIMENSIONS



Dimensioned with **CF0412PC**

SERIES	A	B	C	D	E	F
CF0406PC	4.0	6.4	8.3	0.4	5.4	0.6
CF0412PC	4.0	12.4	8.3	3.4	5.4	3.6
CF0418PC	4.0	18.4	8.3	6.4	5.4	6.6

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 ≤ 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 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).

MOUNTING

Mounting bracket for direct installation with 4" octagonal junction boxes. Single-piece, seamless die-cast aluminum wall arm. 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#). Wall arm 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

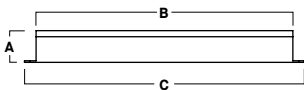


PT
Platinum Silver



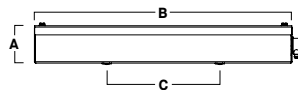
EMERGENCY BATTERY OPTIONS

EMRM* - 7W REMOTE EMERGENCY BATTERY
(50' MAX)



A	B	C
1.3	12.6	13.0

EMEN* - 7W REMOTE EMERGENCY BATTERY
WITH ENCLOSURE (50' MAX)



A	B	C
2.0	17.0	6.2

*OTHER EM BATTERY SIZES AVAILABLE. CONSULT FACTORY





4" ROUND DIRECT

GAMMA SERIES / PHOTOMETRIC DATA

CF04XXPC 20L 35K ND XX CL XX

CANDLEPOWER CURVE TEST SP-01069	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°	7143	0° - 10°	486	34%	8'	112 fc	2.7'	53 fc	14'	3'	155	1.46	127	1.30
	0°	7143	0° - 20°	945	66%	10'	71 fc	3.4'	34 fc	18'	4'	77	0.72	91	0.92
	5°	5957	0° - 30°	1240	86%	12'	50 fc	4.1'	24 fc	22'	5'	58	0.55	54	0.55
	15°	1567	0° - 40°	1408	98%	14'	36 fc	4.8'	17 fc	Delivered Illuminance Rating: (DIR)		106 FC per W/Sq. Ft.		98 FC per W/Sq. Ft.	
	25°	638	0° - 60°	1432	100%	16'	28 fc	5.5'	13 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					
	35°	275	0° - 80°	1437	100%	20'	18 fc	6.8'	9 fc						
	45°	11	0° - 90°	1439	100%	24'	12 fc	8.2'	6 fc						
	55°	10	Total	1439	100%	28'	9 fc	9.5'	4 fc						
	90°	1													

Delivered Lumens: 1439
Luminaire Watts: 12.9
LER: 111.55

CP at 0° (Nadir): 7143
CRI: 80

Beam Angle: 20°
Spacing Ratio: 0.33

Lumen Multiplier: 10L x 0.5, 15L x 0.74
CCT Multiplier: 27K x 0.972, 30K x 0.981, 40K x 1.04
27HK x 0.78, 30HK x 0.82

CF04XXPC 20L 35K MD XX CL XX

CANDLEPOWER CURVE TEST SP-01068	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°	4763	0° - 10°	371	25%	8'	74 fc	3.7'	34 fc	14'	4'	93	0.82	91	0.89
	0°	4763	0° - 20°	909	62%	10'	48 fc	4.6'	22 fc	18'	6''	46	0.41	45	0.44
	5°	4247	0° - 30°	1260	86%	12'	33 fc	5.6'	15 fc	22'	8'''	21	0.19	17	0.17
	15°	1954	0° - 40°	1438	98%	14'	24 fc	6.5'	11 fc	Delivered Illuminance Rating: (DIR)		112 FC per W/Sq. Ft.		102 FC per W/Sq. Ft.	
	25°	749	0° - 60°	1463	99%	16'	19 fc	7.4'	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 ** Exceeds Spacing Ratio by 3% *** Exceeds Spacing Ratio by 6%					
	35°	286	0° - 80°	1469	100%	20'	12 fc	9.3'	5 fc						
	45°	15	0° - 90°	1471	100%	24'	8 fc	11.1'	4 fc						
	55°	6	Total	1471	100%	28'	6 fc	13.0'	3 fc						
	90°	0													

Delivered Lumens: 1471
Luminaire Watts: 12.9
LER: 114.03

CP at 0° (Nadir): 4763
CRI: 80

Beam Angle: 26°
Spacing Ratio: 0.43

Lumen Multiplier: 10L x 0.5, 15L x 0.74
CCT Multiplier: 27K x 0.972, 30K x 0.981, 40K x 1.04
27HK x 0.78, 30HK x 0.82

CF04XXPC 20L 35K WD XX CL XX

CANDLEPOWER CURVE TEST SP-01070	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°	2121	0° - 10°	207	14%	6'	59 fc	5.7'	22 fc	14'	6'	43	0.37	38	0.37
	0°	2121	0° - 20°	716	48%	8'	33 fc	7.7'	12 fc	18'	8'	21	0.18	19	0.18
	5°	2136	0° - 30°	1220	82%	10'	21 fc	9.6'	8 fc	22'	10'	16	0.14	11	0.11
	15°	1874	0° - 40°	1457	98%	12'	15 fc	11.5'	5 fc	Delivered Illuminance Rating: (DIR)		118 FC per W/Sq. Ft.		105 FC per W/Sq. Ft.	
	25°	1111	0° - 60°	1483	100%	14'	11 fc	13.4'	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°	365	0° - 80°	1487	100%	16'	8 fc	15.3'	3 fc						
	45°	15	0° - 90°	1488	100%	20'	5 fc	19.2'	2 fc						
	55°	2	Total	1488	100%	24'	4 fc	23.0'	1 fc						
	90°	1													

Delivered Lumens: 1488
Luminaire Watts: 12.9
LER: 115.35

CP at 0° (Nadir): 2121
CRI: 80

Beam Angle: 51°
Spacing Ratio: 0.81

Lumen Multiplier: 10L x 0.5, 15L x 0.74
CCT Multiplier: 27K x 0.972, 30K x 0.981, 40K x 1.04
27HK x 0.78, 30HK x 0.82



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

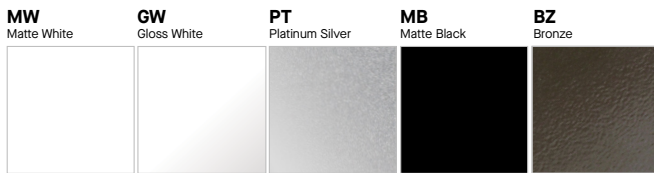
FIXTURE COLOR	STANDARD CORD COLOR	STANDARD CANOPY / STEM COLOR
Matte White, Textured White	Matte White	Matte White
Gloss White	Matte White	Gloss White
Matte Black, Textured Black	Matte Black	Matte Black
All Others	Matte Black	Same Color as Fixture
Custom Color	Contact Factory	Contact Factory

PAINT TIMES

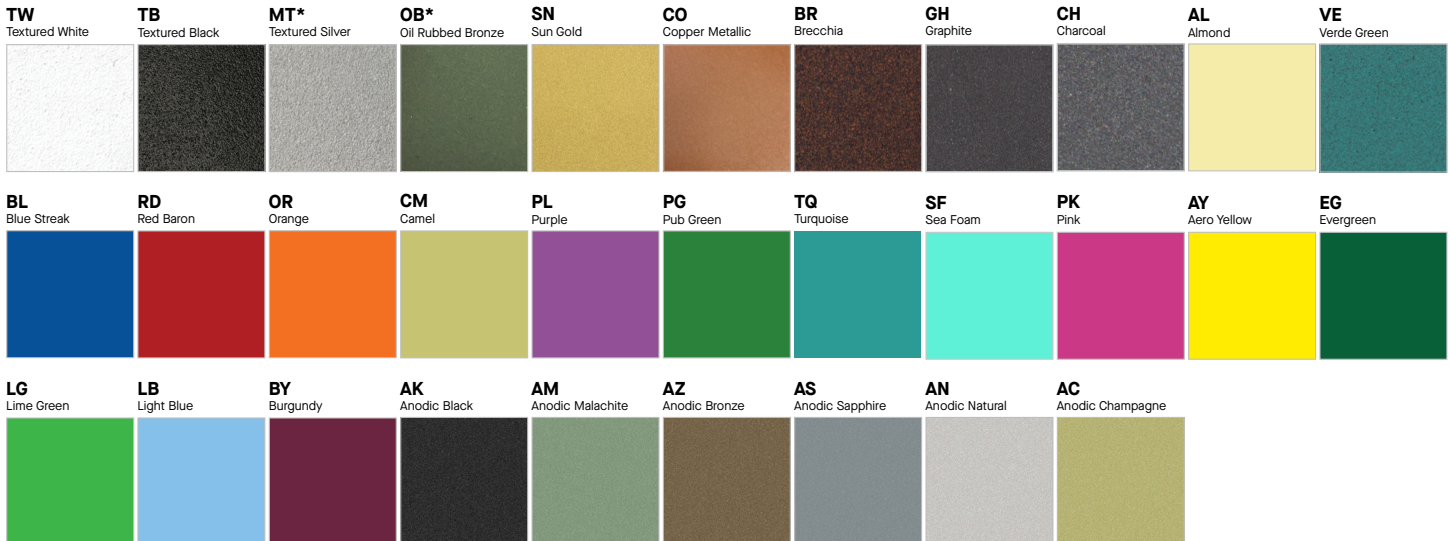
TIER	COST	AVERAGE PAINT TIME*
Tier 1 - Standard Finishes	\$	⌚
Tier 2 - Typical Finishes	\$\$	⌚⌚
Custom Color	Contact Factory	Contact Factory

*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

