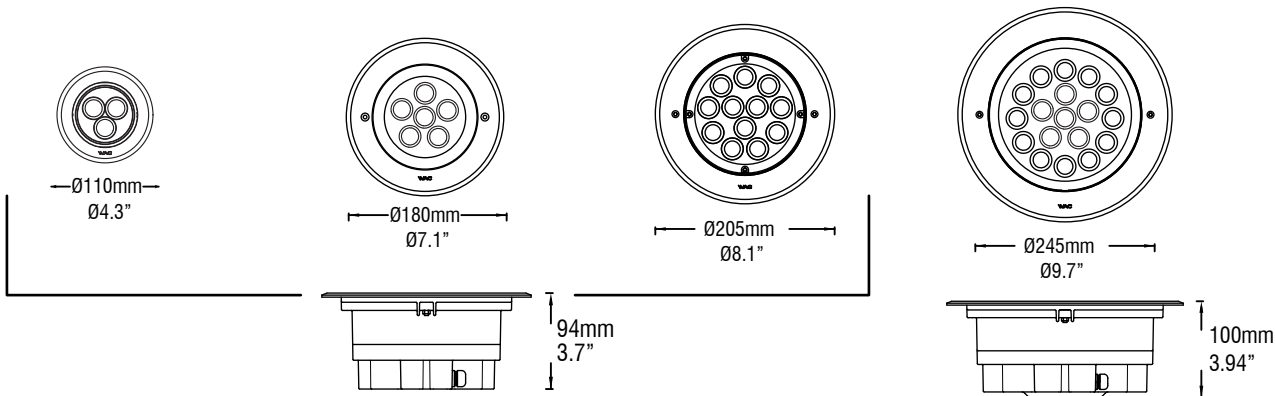


Fuego Compact
In-Ground Luminaire - Static White
FCH04 | FCH07 | FCH08 | FCH10

Fixture Type: _____
Project: _____
Catalog#: _____
Location: _____



LINE DRAWING



PRODUCT DESCRIPTION

The FUEGO Compact features a high-quality 316 stainless steel face frame, an aluminum die-cast housing, and a high-temperature powder-coated finish. It is designed for outdoor environments, with an IP68 protection rating, IK08 impact resistance rating, and a load-bearing capacity of up to 1500 kg. The fixture is equipped with a high-transmittance lens and a patented anti-glare system. The pre-buried sleeve design allows for easy installation and maintenance. It is ideal for use in residential areas, including parks, plazas, shopping centers, and for facade lighting applications.

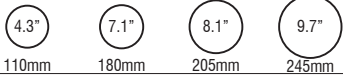
SPECIFICATIONS

Construction:	Die-cast stainless steel trim with die-cast aluminum heat sink
Mounting:	In-ground installation with vacuum molded mud stopper and PVC casing In-ground cut out: FCH04 - Ø 7 ⁵ / ₁₆ " / 185mm ○ FCH07 - Ø 6 ⁵ / ₈ " / 168mm ○ FCH08 - Ø 7 ⁷ / ₁₆ " / 189mm ○ FCH10 - Ø 8 ¹⁵ / ₁₆ " / 227mm ○
Light Source:	High output 3-step Mac Adam Ellipse Rated life of 50,000 hours at L70
Input:	Universal 120-277V AC, 50/60 Hz
Dimming:	0-10V, DMX512-A
Maximum Delivered Intensity:	Up to 93,462 cd (FCH10, U - 6°/7°, 4000K, 80 CRI)
Maximum Delivered Output:	Up to 2,938 lm (FCH10, S - 13°/14°, 4000K, 80 CRI)
Operating Temperature:	-4°F to 114°F (-20°C to 50°C)
Standards:	ETL & cETL Wet location listed, Title 24 JA8 Compliant
Warranty:	5 year WAC Lighting guaranteed warranty

BEAM ANGLES



FIXTURE SIZES



Model	Beam		Lumens Ref Output*	CBCP	Color Temp & CRI
FCH04 4.3" FCH07 7.1" FCH08 8.1" FCH10 9.7"	Ultra Narrow 6,7°	FCH04 (6W)	458	15,296	827 - 2700K - 80 830 - 3000K - 80 840 - 4000K - 80
		FCH07 (13W)	924	31,506	
		FCH08 (21W)	1,805	58,892	
		FCH10 (33W)	2,681	87,348	
	Spot 13,14°	FCH04 (6W)	476	6,645	
		FCH07 (13W)	962	13,955	
		FCH08 (21W)	1,876	28,200	
		FCH10 (33W)	2,746	40,263	
	Narrow Flood 20°	FCH04 (6W)	472	3,374	
		FCH07 (13W)	949	6,882	
		FCH08 (21W)	1,874	13,437	
		FCH10 (33W)	2,683	19,055	
	Medium Flood 30°	FCH04 (6W)	456	1,545	
		FCH07 (13W)	918	3,064	
		FCH08 (21W)	1,798	6,065	
		FCH10 (33W)	2,675	9,210	

Lumens and CBCP are reference values for fixtures set to 3000K Color Temperature. Refer to Multiplier Table on the next page to determine other outputs.

wacarchitectural.com | WAC Architectural, a WAC Group brand.

WAC Group Headquarters
44 Harbor Park Drive
Port Washington, NY 11050
WAC Architectural
Phone (800) 526.2588
Fax (800) 526.2585



Fuego Compact
In-Ground Luminaire - Static White
FCH04 | FCH07 | FCH08 | FCH10

Fixture Type:

Project:

Catalog#:

Location:

ORDERING INFORMATION

CONFIGURATION TABLE				
Model & Power	Color Temperature & CRI	Control Options	Beam	Finish
FCH04	827 - 2700K - 80	L: 0-10V	U: Ultra Narrow - 6, 7°	SS: Black-painted Stainless Steel
FCH07	830 - 3000K - 80	D: DMX512-A	S: Spot - 13°, 14°	
FCH08	840 - 4000K - 80		N: Narrow Flood - 20°	
FCH10			M: Medium Flood - 30°	

FCH__ - __L-_-SS
Example: FCH10-840L-N-SS

ORDERING NOTES	
1.	The Spot and Narrow Flood beam angles for FCH04 are: U - 6°, S - 13°.

Lumens and CBCP Multiplier Table
Use the below table to determine lumens and CBCP values for the combinations of power, color temperature, and CRI values.

Color Temperature		
2700K	3000K	4000K
0.96	1.00	1.07

Fuego Compact
In-Ground Luminaire - Static White
FCH04 | FCH07 | FCH08 | FCH10

Fixture Type: _____
Project: _____
Catalog#: _____
Location: _____

FEATURES

Optics: High transmittance lens and anti-glare system allow for precise illumination	Construction: Die-cast aluminum body that is rated IP67 and IK08, making it suitable for outdoor usage
LED: - High output LED with a 3-step Mac Adam ellipse - Rated operational life of 50,000 hours at L70 (LED maintains 70% of its initial delivered lumens when brand new for 50,000 hours of use.)	Trim and Reflector: Four beam angles available: Ultra Narrow, Spot, Narrow Flood, and Medium Flood
Electrical: - Input power is universal 120-277 VAC, 50/60 Hz - Available at power levels of: 6.3W (FCH04, Ø4"), 12W (FCH07, Ø7"), 23W (FCH08, Ø8"), and 34W (FCH10, Ø10")	Installation: Embedded sleeve system streamlines in-ground installation and servicing
Dimming: DMX512-A and 0-10V dimming are both available	Warranty: - WAC Architectural limited warranty up to 5 years - Full warranty found at: waclighting.com/warranty
Notes: The Black finish for the body is electrostatically powder coated	

Fuego Compact
In-Ground Luminaire - Static White
FCH04 | FCH07 | FCH08 | FCH10

Fixture Type:

Project:

Catalog#:

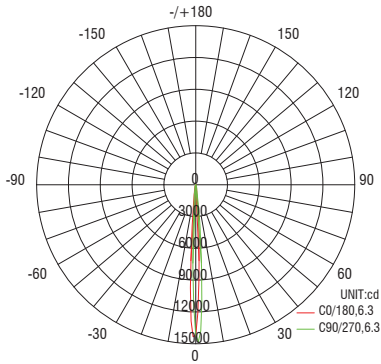
Location:

PERFORMANCE DATA

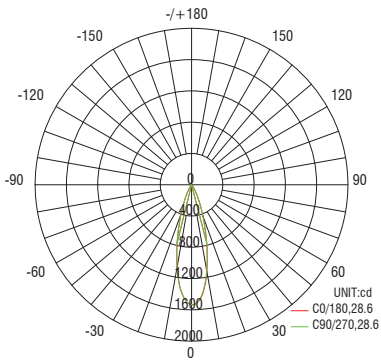
Polar Candela Distribution Charts

Samples shown from a FCH04 (Ø4.3"/Ø110mm) fixture set to 3000K and 85 CRI.

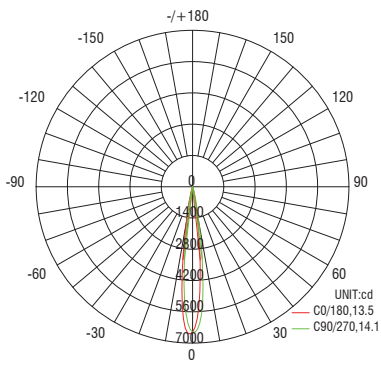
Ultra Narrow Beam: 7° Beam



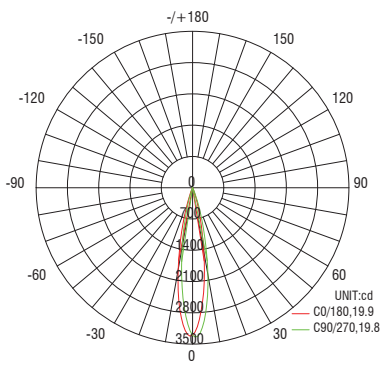
Medium Flood Beam: 30° Beam



Spot Beam: 14° Beam



Narrow Flood Beam: 20° Beam



Fuego Compact
In-Ground Luminaire - Static White
FCH04 | FCH07 | FCH08 | FCH10

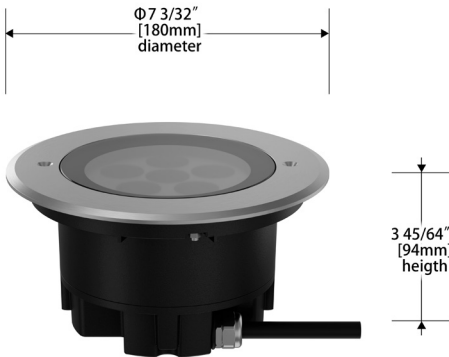
Fixture Type: _____
Project: _____
Catalog#: _____
Location: _____

DIMENSIONAL DIAGRAMS

FCH04



FCH07



FCH08



FCH10



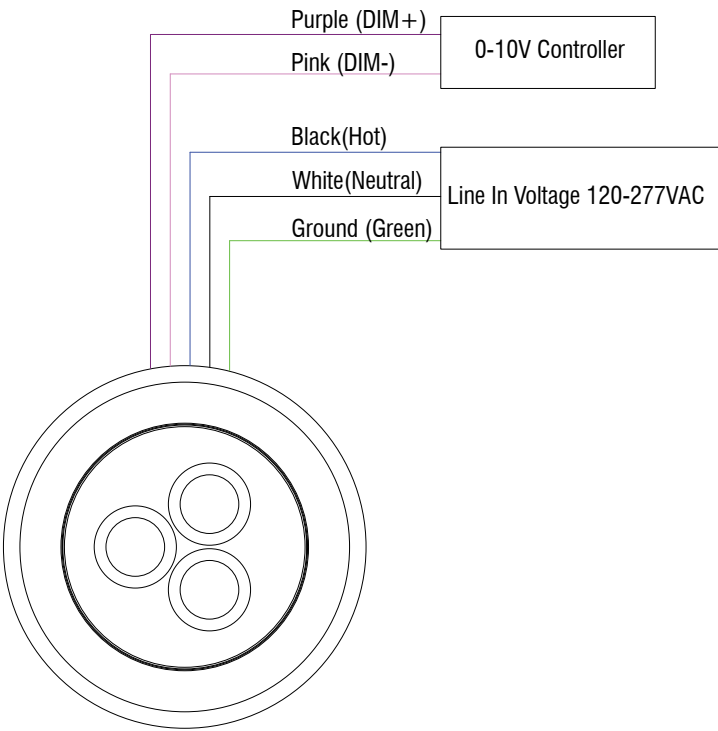
Fuego Compact
In-Ground Luminaire - Static White
FCH04 | FCH07 | FCH08 | FCH10

Fixture Type: _____
Project: _____
Catalog#: _____
Location: _____

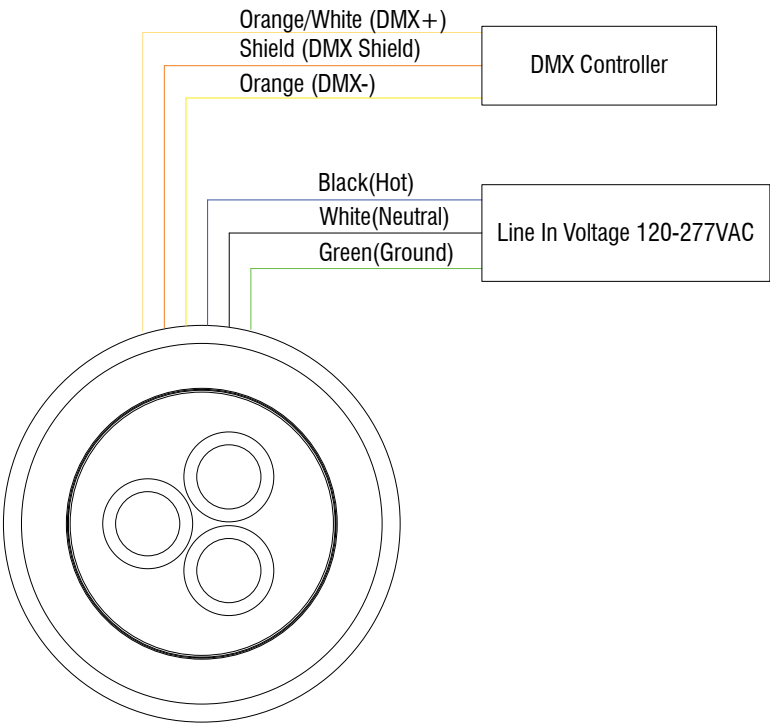
WIRING DIAGRAMS

Single Fixture Wiring

0-10V Dimming



DMX512-A Dimming



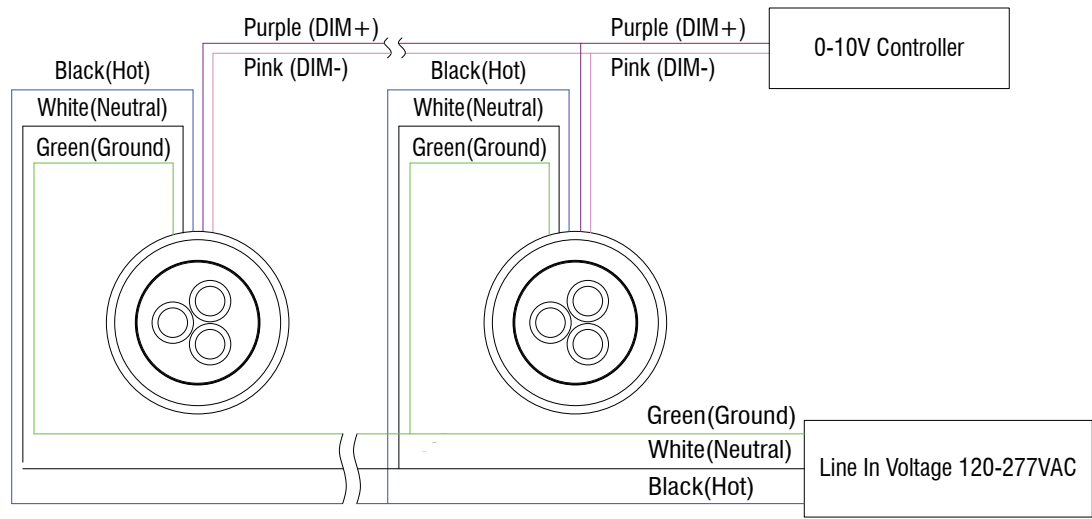
Fuego Compact
In-Ground Luminaire - Static White
FCH04 | FCH07 | FCH08 | FCH10

Fixture Type: _____
Project: _____
Catalog#: _____
Location: _____

WIRING DIAGRAMS

Multiple Fixtures Wiring

0-10V Dimming



DMX512-A Dimming

