

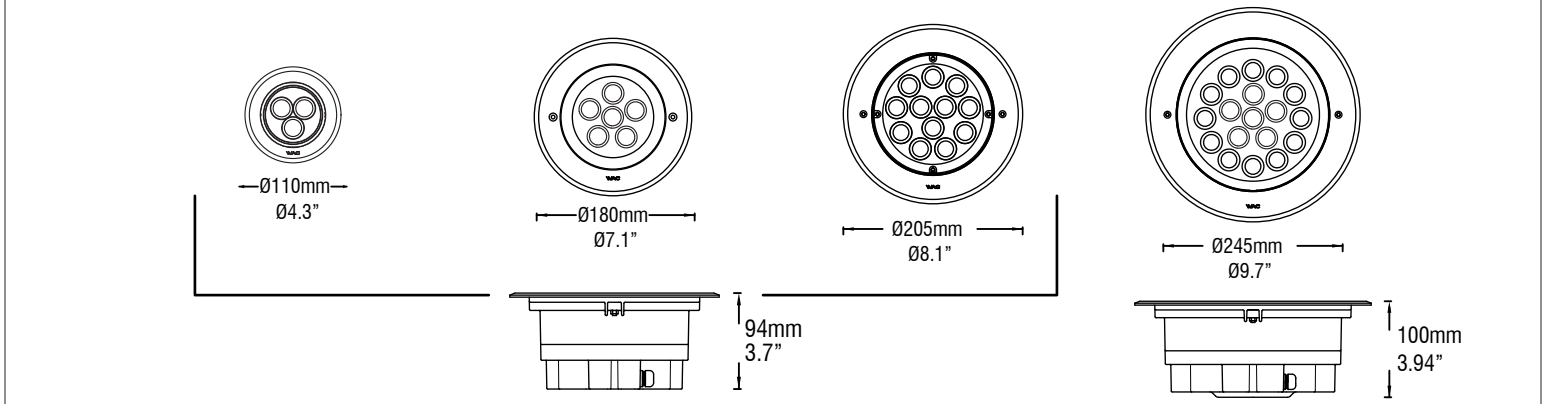
## Fuego Compact In-Ground Luminaire - Static White

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

<b>Construction:</b>	Die-cast stainless steel trim with die-cast aluminum heat sink
<b>Mounting:</b>	In-ground installation with vacuum molded mud stopper and PVC casing In-ground cut out: Beam - S Ø 165mm / 6.50" ○ Beam - N Ø 185mm / 7.28" ○ Beam - M Ø 225mm / 8.86" ○
<b>Light Source:</b>	High output 3-step Mac Adam Ellipse Rated life of 50,000 hours at L70
<b>Input:</b>	Universal 120-277V AC, 50/60 Hz
<b>Dimming:</b>	0-10V, DMX512-A
<b>Maximum Delivered Intensity:</b>	Up to 93,462 cd (FC10, U - 6°/7°, 4000K, 80 CRI)
<b>Maximum Delivered Output:</b>	Up to 2,938 lm (FC10, S - 13°/14°, 4000K, 80 CRI)
<b>Operating Temperature:</b>	-4°F to 114°F (-20°C to 50°C)
<b>Standards:</b>	UL & cUL Wet location listed, Title 24 JA8 Compliant
<b>Warranty:</b>	5 year WAC Lighting guaranteed warranty

### BEAM ANGLES



### FIXTURE SIZES



Model	Beam		Lumens Ref Output*	CBCP	Color Temp & CRI
FCH04 4.3"	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	
FCH07 7.1"	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	
FCH08 8.1"	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	
FCH10 9.7"	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.

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WAC GROUP

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**ORDERING INFORMATION**

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

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**FEATURES**

<p><b>Optics:</b></p> <ul style="list-style-type: none"> <li>• High transmittance lens and anti-glare system allow for precise illumination</li> </ul>	<p><b>Construction:</b></p> <ul style="list-style-type: none"> <li>• Die-cast aluminum body that is rated IP67 and IK08, making it suitable for outdoor usage</li> </ul>
<p><b>LED:</b></p> <ul style="list-style-type: none"> <li>• High output LED with a 3-step Mac Adam ellipse</li> <li>• 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.)</li> </ul>	<p><b>Trim and Reflector:</b></p> <ul style="list-style-type: none"> <li>• Four beam angles available: Ultra Narrow, Spot, Narrow Flood, and Medium Flood</li> </ul>
<p><b>Electrical:</b></p> <ul style="list-style-type: none"> <li>• Input power is universal 120-277 VAC, 50/60 Hz</li> <li>• Available at power levels of: 6.3W (FCH04, Ø4"), 12W (FCH07, Ø7"), 23W (FCH08, Ø8"), and 34W (FCH10, Ø10")</li> </ul>	<p><b>Installation:</b></p> <ul style="list-style-type: none"> <li>• Embedded sleeve system streamlines in-ground installation and servicing</li> </ul>
<p><b>Dimming:</b></p> <ul style="list-style-type: none"> <li>• DMX512-A and 0-10V dimming are both available</li> </ul>	<p><b>Warranty:</b></p> <ul style="list-style-type: none"> <li>• WAC Architectural limited warranty up to 5 years</li> <li>• Full warranty found at: <a href="http://wacighting.com/warranty">wacighting.com/warranty</a></li> </ul>
<p><b>Notes:</b></p> <ul style="list-style-type: none"> <li>• The Black finish for the body is electrostatically powder coated</li> </ul>	

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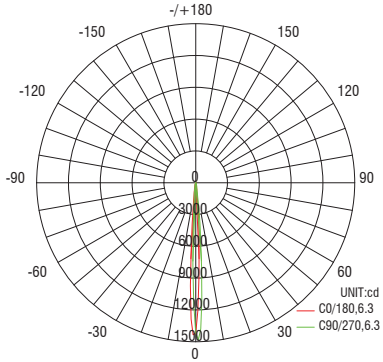
Fixture Type: \_\_\_\_\_  
 Project: \_\_\_\_\_  
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 Location: \_\_\_\_\_

**PERFORMANCE DATA**

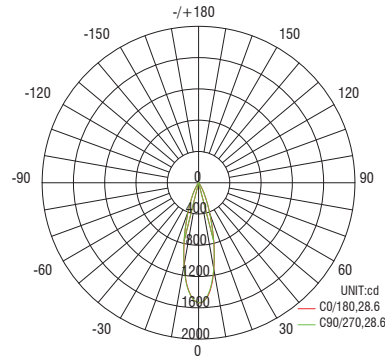
**Polar Candela Distribution Charts**

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

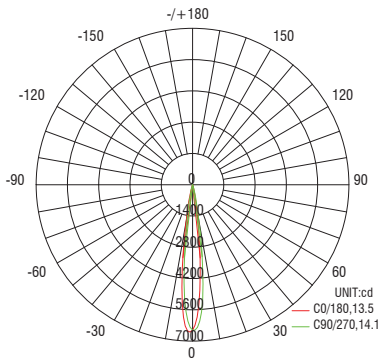
**Ultra Narrow Beam: 7° Beam**



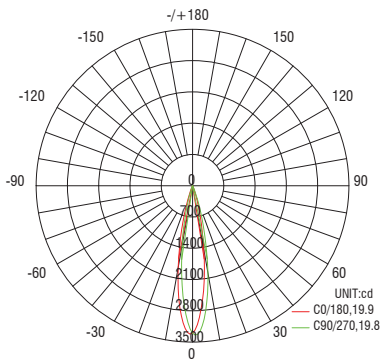
**Medium Flood Beam: 30° Beam**



**Spot Beam: 14° Beam**



**Narrow Flood Beam: 20° Beam**



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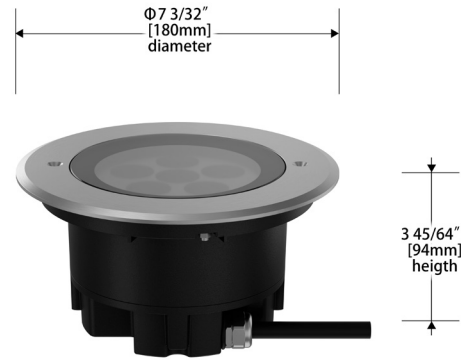
Fixture Type: \_\_\_\_\_  
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Location: \_\_\_\_\_

**DIMENSIONAL DIAGRAMS**

**FCH04**



**FCH07**



**FCH08**



**FCH10**



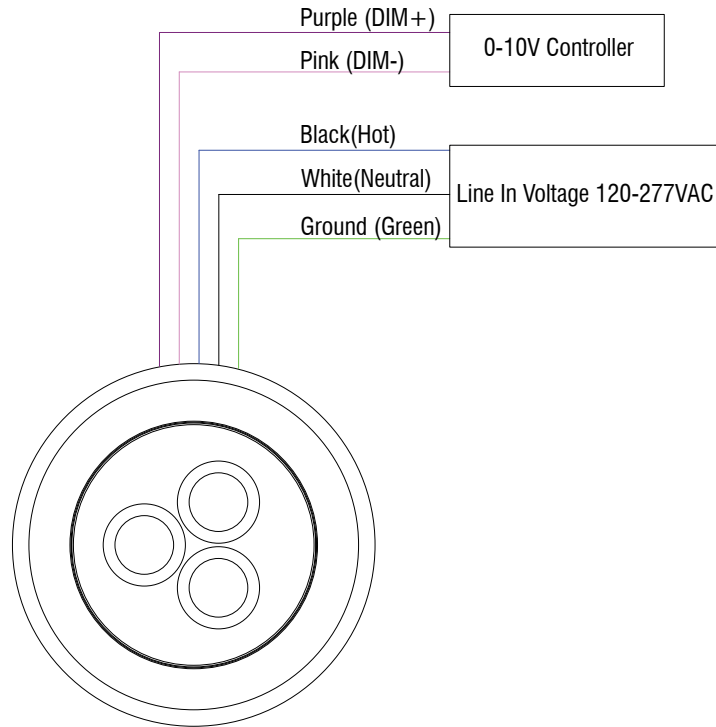
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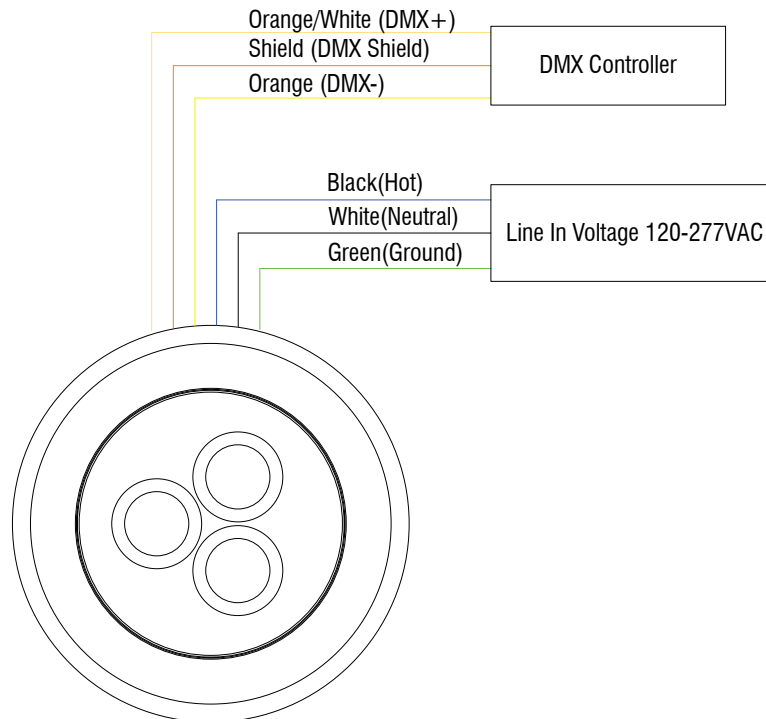
### WIRING DIAGRAMS

#### Single Fixture Wiring

##### 0-10V Dimming



##### DMX512-A Dimming



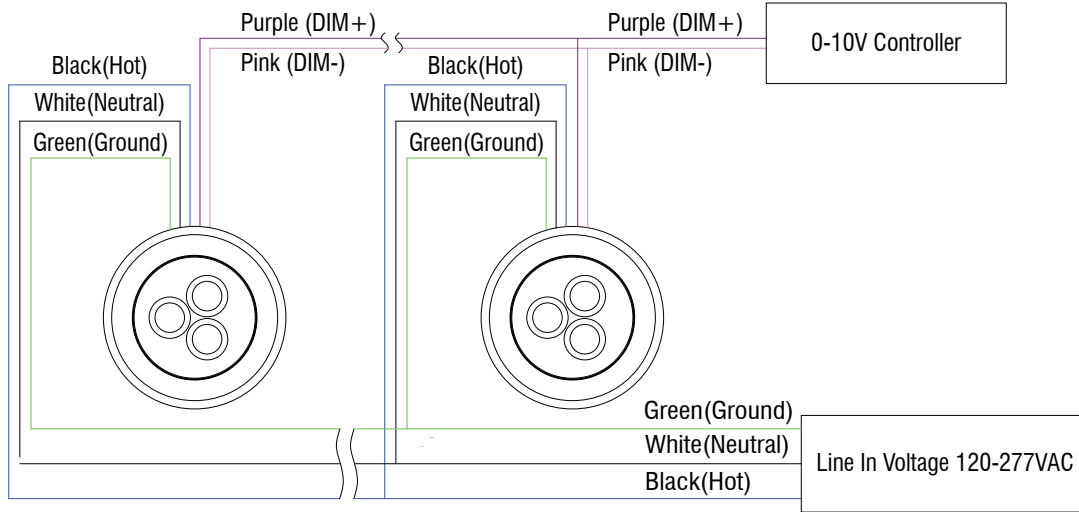
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**WIRING DIAGRAMS**

**Multiple Fixtures Wiring**

**0-10V Dimming**



**DMX512-A Dimming**

