

## FCD609R



Date:

Type:

Luminaire:

Project:

Approved:

**FCD609R** 6-inch round inground recessed luminaire with a stainless steel faceplate is IP67 rated for exterior use where inground applications are required.

### SPECIFICATIONS

#### PHYSICAL

<b>beam spread</b>	LED optics: Spot (10°), Narrow Flood (25°), Flood (50°), Wide Flood (70° <i>image free white lens</i> )
<b>dimensions</b>	luminaire: 5.5" Ø x 5.1" D PVC housing: 5.3"Ø x 5.9" D
<b>weight</b>	4 lbs
<b>housing</b>	marine grade, corrosion resistant, high pressure aluminum (includes mounting sleeve)
<b>lens</b>	3/8" thick clear tempered, standard. optional: SR = Slip Resistance, etched outer surface
<b>mounting</b>	concrete pour installation (mounting sleeve included) - drainage required (improperly installed luminaires will void warranty)
<b>ingress protection</b>	IP67 Rated for dry, damp or wet locations with neoprene continuous closed cell gasket to seal out contaminants
<b>finish</b>	316 machined stainless steel faceplate

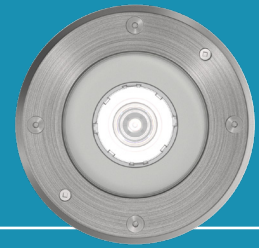
#### PERFORMANCE

<b>color temperature</b>	2700K, 3000K, 3500K, 4000K
<b>lumen output</b>	1300 lm
<b>lumen maintenance</b>	L90 > 70,000 hours
<b>color consistency</b>	3SDCM, CRI typical 85, optional: 90+ CRI
<b>operating temperature</b>	max 143°F (62C)
<b>warranty</b>	5 year limited warranty

#### ELECTRICAL

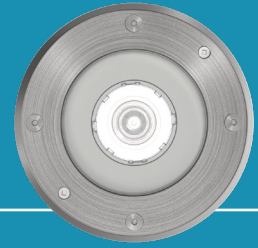
<b>input voltage</b>	Universal 120- 277 VAC
<b>power supply</b>	Integral Class II, electronic, high power factor > 94% @ 120V
<b>certifications</b>	ETL/cETL Listed
<b>standards</b>	UL1598/CSA C22.2 No. 250.0; UI 8750/CSA C22.2 No. 250.13/IES LM-79/LM-80
<b>power consumption</b>	14W @ 120 - 277 VAC
<b>dimming</b>	standard: no dimming, optional: 0-10V (1%)





# Ordering Information

ORDERING INFORMATION									
FCD609R			13L		SS				
SERIES	VOLTAGE	CCT	LUMENS	CRI	FINISH	LED OPTICS	DIMMING	OPTIONS	
FCD609R	UNV 120 - 277 VAC	27K 2700K 3K 3000K 35K 3500K 4K 4000K	13L 1300 lm (14W)	CRI85 85 CRI (standard) CRI90 90 CRI	SS Stainless Steel	SP Spot (10°) NFL Narrow Flood (25°) FL Flood (50°) WFL Wide Flood (70°) <i>(Image free white lens)</i>	TD Standard Tri-Dim (1% 0-10V, 120-277 VAC), 1%, TRIAC & ELV, 120 VAC Only)	SR Slip Resistance (Frosted Lens)	

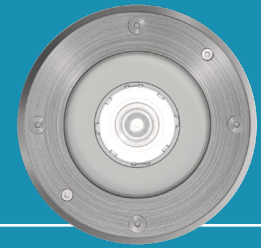


# Dimensions

PRODUCT DIMENSIONS - STANDARD PRODUCT		MOUNTING - <i>mounting sleeve included, one per luminaire</i>	
width	5.5" Ø	PVC well housing	5.3" Ø
depth	5.1" D	well housing depth	5.9" D

marine grade aluminum housing  
with 316 stainless steel faceplate

french drain  
required  
for proper  
installation,  
see installation  
instructions



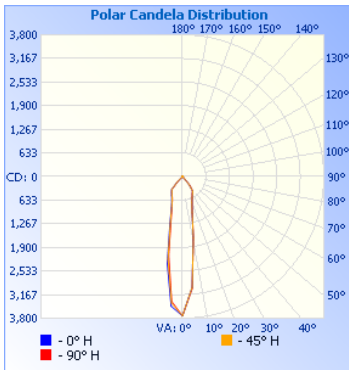
# Photometry

## SPOT DISTRIBUTION

beam spread | 10°

## MID SPOT DISTRIBUTION

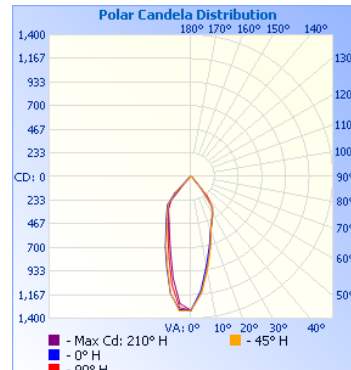
25°



**Illuminance at a Distance**

Center Beam fc	Beam Width
1.7ft	1,291 fc
3.3ft	343 fc
5.0ft	149 fc
6.7ft	83.1 fc
8.3ft	54.2 fc
10.0ft	37.3 fc

**illuminations testing laboratory:**  
Report #2218



**Illuminance at a Distance**

Center Beam fc	Beam Width
1.7ft	457 fc
3.3ft	121 fc
5.0ft	52.8 fc
6.7ft	29.4 fc
8.3ft	19.2 fc
10.0ft	13.2 fc

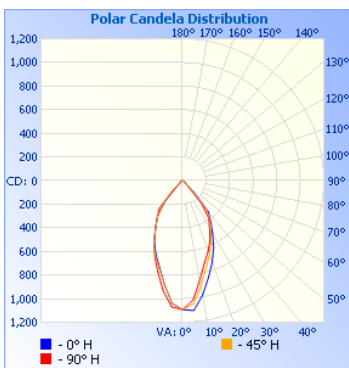
**illuminations testing laboratory:**  
Report #2219

## FLOOD DISTRIBUTION

beam spread | 50°

## WIDE FLOOD DISTRIBUTION

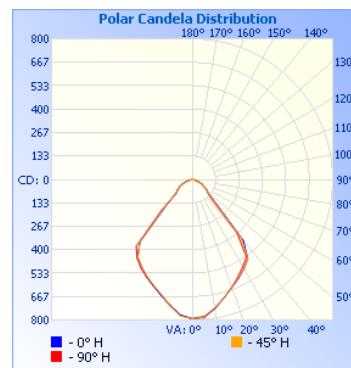
70°



**Illuminance at a Distance**

Center Beam fc	Beam Width
1.7ft	378 fc
3.3ft	100 fc
5.0ft	43.7 fc
6.7ft	24.3 fc
8.3ft	15.9 fc
10.0ft	10.9 fc

**illuminations testing laboratory:**  
Report #2220



**Illuminance at a Distance**

Center Beam fc	Beam Width
1.7ft	205 fc
3.3ft	54.5 fc
5.0ft	23.7 fc
6.7ft	13.2 fc
8.3ft	8.61 fc
10.0ft	5.93 fc

**illuminations testing laboratory:**  
Report #2221