FLEA MINI UNDERWATER

datasheet

FLEA is a family of IP67-rated round or square recessed wall / in-grade or downlights available in static white, RGBW, and and underwater version (IP68). FLEA MINI Underwater is IP68-rated, and offered round (Ø1.4”) or as a floodlight (Ø1.1”) with 3 static color temperatures, 4 optics options, and made of ASIS 316L Stainless Steel.

c UL us LISTED
UL 676

FLEA MINI Underwater Round

FLEA MINI Underwater Spot

Fixture Dimensions - See page 2

TECHNICAL DATA

Wattage	2W
Power Supply	Remote Fountain/Pool Approved 24VDC Power Supply, not included. See page 2.
Construction	Housing: Anticorodal Aluminum Lens: Extra Clear Tempered Glass
CCT	2700K, 3000K, 4000K
BUG Rating	B0-U0-G0 (3000K)
CRI	>80
Delivered Lumens	150 lm (3000K, 10°)
Efficacy	75 lm/W (3000K, 10°)
Optics	10°, 30°, 14°x20°, Diffuse
Finishes	AISI 316L Stainless Steel
Lumen Maintenance	90,000 hrs, L90 (Ta 35°C)
Fixture Dimensions	See page 2
IP Rating	IP68 (9.84 ft)
Impact Resistance	–

ORDERING INFORMATION

Example: F50103.6.2.05.US. Power Supplies / Accessories ordered separately.

	. **6**	.	.	. **US**

Model No.	Finish	CCT	Optics	
F50103 - Round **F50132** - Spotlight	**6** - AISI 316L Stainless Steel	**2** - 2700K **3** - 3000K **4** - 4000K	**01** - Spot 10° **02** - Medium 30° **04** - Elliptical 14°x20° **05** - Diffused	**US**

Job Name/Date:

Fixture Type Designation:

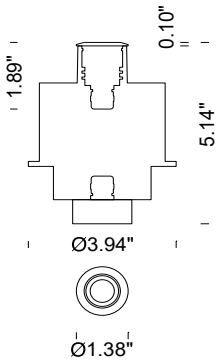
sales@designplan.com
www.designplan.com

79 Trenton Avenue, Frenchtown NJ 08825

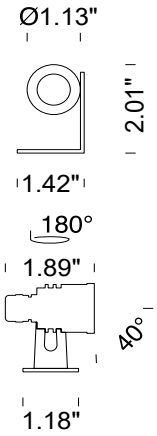
© Copyright 2024 Designplan Lighting, Inc.
Published: September 2, 2026

P: 908-996-7710
F: 908-996-7042

FIXTURE DIMENSIONS



FLEA MINI Underwater Round



FLEA MINI Underwater Spot

SUGGESTED POWER SUPPLIES

24VDC

Part Number	Description	Input/Output	# of Fixtures
FPV-100110024	ELV / TRIAC & 0-10V Dimming (100 to 0%)	120-277VAC to 24VDC, 96W, Class 2, IP66, NEMA 4X	1-38
FPV-100000024	Non-Dim	120-277VAC to 24VDC, 100W, Class 2, IP66, NEMA 4X	1-40
FPV-100100024	0-10V Dimming (2 channels)	120-277VAC to 24VDC, 100W, Class 2, IP66, NEMA 4X	1-80

For other power supply options consult factory.

Job Name/Date:

Fixture Type Designation:

© Copyright 2024 Designplan Lighting, Inc.

FLEA MINI UNDERWATER

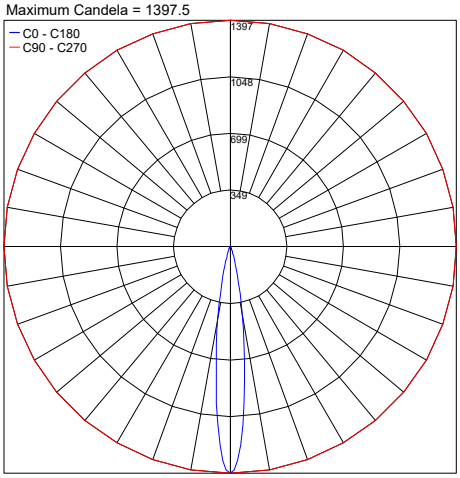
datasheet

PHOTOMETRIC DATA

Note: All photometry is 3000K

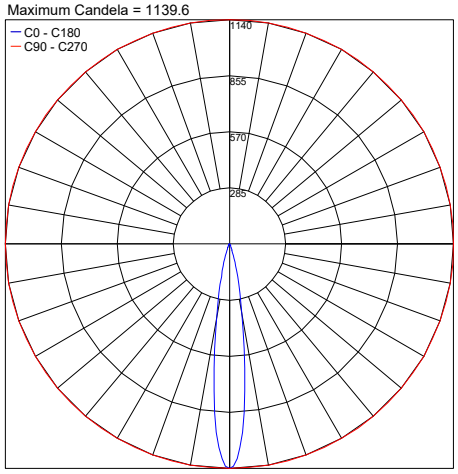
ROUND

Maximum Candela = 1397.5



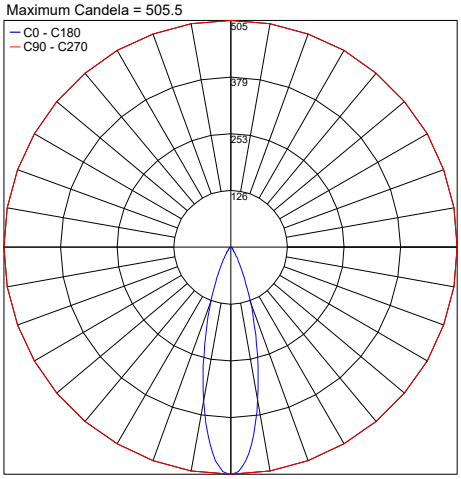
PHOTOMETRIC FILENAME : FLEA MINI UNDERWATER RD 30K 10°-50103.X.3.01.IES

Maximum Candela = 1139.6



PHOTOMETRIC FILENAME : FLEA MINI UNDERWATER RD 30K 14°X20°-50103.X.3.04.IES

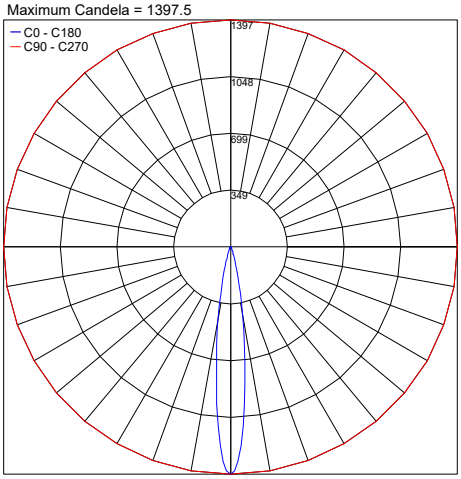
Maximum Candela = 505.5



PHOTOMETRIC FILENAME : FLEA MINI UNDERWATER RD 30K 30°-50103.X.3.02.IES

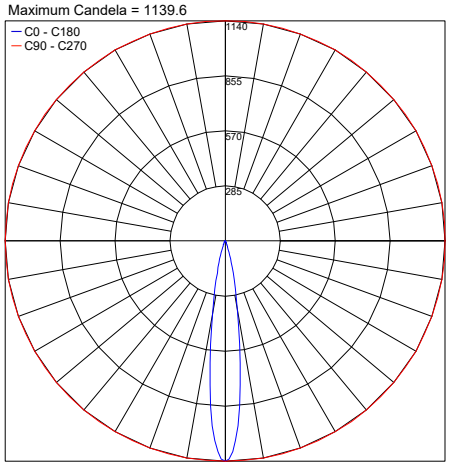
SPOTLIGHT

Maximum Candela = 1397.5



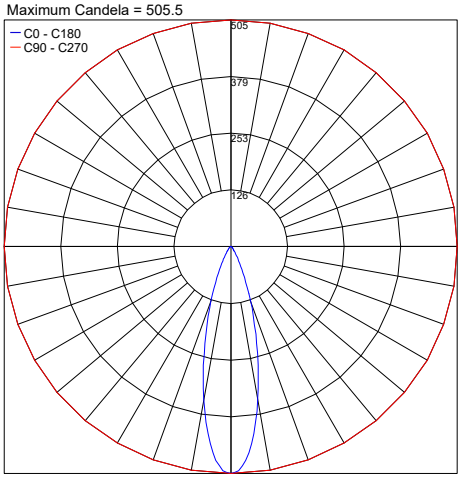
PHOTOMETRIC FILENAME : FLEA MINI UNDERWATER SPOT 30K 10°-50132.X.3.01.IES

Maximum Candela = 1139.6



PHOTOMETRIC FILENAME : FLEA MINI UNDERWATER SPOT 30K 14°X20°-50132.X.3.04.IES

Maximum Candela = 505.5



PHOTOMETRIC FILENAME : FLEA MINI UNDERWATER SPOT 30K 30°-50132.X.3.02.IES

Job Name/Date:

Fixture Type Designation:

sales@designplan.com
www.designplan.com

79 Trenton Avenue, Frenchtown NJ 08825

© Copyright 2024 Designplan Lighting, Inc.

Published: September 2, 2026

P: 908-996-7710
F: 908-996-7042