SUELO Fixed Optics

inter•lux

IP67

5500 lb



General: Suelo is a family of round LED in-grades that includes a broad selection of specialty optics in multiple sizes and outputs, making it possible to find the perfect luminaire to illuminate outdoor architectural elements such as facades, columns as well as landscape and pathway lighting within the same product range.

The standard Suelo R provides maximum output and a selection of accessories to control the emission based on application needs. The Suelo PRO version has a more recessed optical chamber instead, to guarantee the best glare control without the need of any louver.

Lastly, Suelo is also available with a Dual Optic (Double, allowing to aim light at two different areas from one fixture) and in a Telescopic version, with an adjustable aluminum tube that elevates the fixture off the ground, to prevent growing vegetation from blocking the light.

Fixture Body: Open-pore Anodized and Powder Coated Die-Cast Aluminum (2.5", 3.5", 7.1"). Brass (1.2").

Trim: Semi-Flush Trim with Extra-clear Tempered glass, in Stainless Steel, Brass or Gunmetal (PVD). Gunmetal available on 2.5" USP and 3.5" HSP only.

Mounting/Casing: Black, ABS casings for Concrete installations.

Drive-over: Up to 5,511 lbs. (2.5", 3.5", 7.1", 7.3"). 1.2" variant is Walk-Over Only.

Dimensions/Weight: 1.2" (0.31 lbs) – 2.5" (0.68 lbs) – 3.5" (1.50 lbs) - 7.1" (6.6 lbs)

CC version: (1.2", 2.5", 3.5") Remote 120-277V Constant Current driver 0-10V dimmable down to 0.1%. Less susceptible to voltage drop (up to 200' wiring distance); Fixtures need to be wired in series.

CV version: (2.5", 3.5") Remote 120-277V Constant Voltage 24VDC. Driver options in 0-10V (typical dim level 10%, dry location) or Non-dim (wet location). Possibility to use higher wattage drivers and feed multiple fixtures with fewer wiring runs; fixtures need to be wired in parallel.

ID version: (7.1") Integral driver (120/277VAC, 0-10V)

Wattages: 3W CC (1.2") – 4.5W CC / 5W CV (2.5") – 2W CC / 3W CV (2.5" USP) – 2W CC / 3W CV (3.5" HSP) – 8W CC / 9W CV (3.5" NSP) – 22WID (7.1")

Cable: Fixture comes with 3.28' of power cable and built-in Aquastop® (anti-wicking) system

IP rating: IP67 for temporary submersion up to 3.3' of depth for up to a maximum of 1 hr.

IK rating: IK 05 (1.2") – IK 09 (2.5") – IK 10 (3.5") – IK 10 (7.1")

ETL Certification: ETL, wet location

Optics: Fixed. Available in Hyper Spot – Ultra Spot – Narrow Spot – Spot – Narrow Flood – Flood – Wide Flood – Medium Wide Flood – Extra Wide Flood – Ellip. Spot – Ellip. Narrow Flood – Diffused/Frosted. Some variants can also mount Honeycomb louvers and DarkLight.

Color temperatures: 2700K – 3000K – 4000K.

CRI: 80+

Lumen Maintenance: L70 projections tested at Tj 65° C and Ta 25°.

Warranty: 5-year Limited Warranty on fixtures. 1-year Limited Warranty on Remote Drivers.

Contents

2	product configurator diagrams / drivers
7	photometry



1.2" (3W CC)



2.5" (4.5W CC / 5W CV)
(USP: 2W CC/ 3W CV)



3.5" 8W CC / 9W CV
(HSP: 2W CC / 3W CV)



7.1" FT 22W ID
7.3" SFST 22W ID

Fixed Delivered Lumens*	1.2" CC	2.5" CC/CV	3.5" CC	3.5" CV	7.1"/7.3" ID
HSP	–	–	151	151	–
USP	–	160	–	–	–
NSP	–	–	613	613	–
SP	279	411	1007	926	2448
NFL	223	359	1031	948	–
FL	246	–	–	–	2438
WFL	239	325	1018	936	2278
ELSP	–	–	807	742	–
ELNFL	–	343	–	–	–
EWFL	244	–	–	–	–
DI	73	123	83	76	–

*Values shown for 3000K

Fixed HoneyComb Delivered Lumens*	2.5" CC/CV	3.5" CC	3.5" CV	7.1" ID
NSP	–	469	469	–
SP	263	798	733	1985
NFL	228	803	738	–
FL	176	–	–	1810
MWFL	–	691	635	1540

*Values shown for 3000K

Fixed DarkLight Delivered Lumens*	7.1"ID
SP	1647
FL	1299
MWFL	1146

*Values shown for 3000K

linea light i-LèD

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Inter-lux reserves the right to make technical changes without notice.

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Ordering Information									
SUR	CHFT	F	12	3-CC				84918	(Required)[1]
Product	**Trim**	**Type**	**Diameter**	**Wattage/Operation**	**Color Temp**	**Optic**	**+**	**Housing**	**Driver**
SUR = Suelo R	CHFT = Chrome Flush Trim	F = Fixed	12 = 1.2"	3-CC = 3W / Constant current (1000mA)	27 = 2700K 30 = 3000K 40 = 4000K	SP = Spot (10°) NFL = Narrow Flood (21°) FL = Flood (32°) WFL = Wide Flood (58°) EWFL = Extra Wide Flood (91°) DI = Diffused/Frosted (104°)"		84918	ECO30W-1000 SOLO50W-1000 SOLO100W-1000

1.2" 3W CC



Housing

84918
Recessed Housing



120/277VAC DRIVER OPTIONS (pick one)

CC Driver options (Remote Only), eldoLED 0-10V dimming:

ECO30W-1000 (1%)
Max. 8 fixt./driver
Wired in series

SOLO50W-1000 (0.1%)
7x Max./output, in series
Total 14x fixt./driver

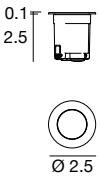
SOLO100W-1000 (0.1%)
7x Max./output, in series
Total 28x fixt./driver

SUELO Fixed Optics

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Ordering Information									(Required)
SUR			25					84936	
Product	**Trim**	**Type**	**Diameter**	**Wattage/Operation**	**Color Temp**	**Optic**	**+**	**Housing**	**Driver**
SUR = Suelo R	SFST = Semi-Flush St. Steel Trim SFBT = Semi-Flush Brass Trim SFGMT = Semi-Flush Gunmetal Trim (USP only)	F = Fixed	25 = 2.5"	2-CC = 2W / Constant current (630mA) 3-CV = 3W / Constant Voltage (24VDC)	27 = 2700K 30 = 3000K 40 = 4000K	USP = Ultra Spot (4°)		84936	CC: ECO30W-(xxx) SOLO50W-(xxx) SOLO100W-(xxx) CV: OT96-D010 EL96-D010 DI96-24V-JBX-DPH-D010
				5-CC = 4.5W / Constant current (500mA) 5-CV = 5W / Constant Voltage (24VDC)		SP = Spot (21°) NFL = Narrow Flood (27°) WFL = Wide Flood (53°) ELNFL = Ellip. Narrow Flood (23°x54°) DI = Diffused/Frosted (113°)			
		FHC = Fixed HoneyComb		5-CC = 4.5W / Constant current (500mA) 5-CV = 5W / Constant Voltage (24VDC)		SP = Spot (21°) NFL = Narrow Flood (23°) FL = Flood (39°)			

2.5" 4.5W CC / 5W CV
(USP: 2W CC / 3W CV)



Housing

84936
Recessed Housing



120/277VAC DRIVER OPTIONS (pick one)

2W (USP only) CC Driver options (Remote Only), eldoLED 0-10V dimming:

ECO30W-630 (1%)	**SOLO50W-630 (0.1%)**	**SOLO100W-630 (0.1%)**
Max. 10 fixt./driver Wired in series	10x Max./output, in series Total 20x fixt./driver	10x Max./output, in series Total 40x fixt./driver

4.5W CC Driver options (Remote Only), eldoLED 0-10V dimming:

ECO30W-500 (1%)	**SOLO50W-500 (0.1%)**	**SOLO100W-500 (0.1%)**
Max. 5 fixt./driver Wired in series	4x Max./output, in series Total 8x fixt./driver	4x Max./output, in series Total 16x fixt./driver

3W/5W CV (24VDC) Driver options (Remote Only), fixtures wired in parallel:

OT96-D010	**EL96-D010**	**DI96-24V-JBXDPH-D010**
eldoLED, 10% 0-10V dim, 96W, Dry location	eldoLED, 0.1% 0-10V dim, 96W, Dry location	0.1% Forward Phase or 0-10V, 96W, Wet location

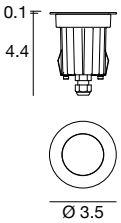
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Ordering Information									(Required)
SUR		F	35			HSP		99680	
Product	**Trim**	**Type**	**Diameter**	**Wattage/Operation**	**Color Temp**	**Optic**	**+**	**Housing**	**Driver**
SUR = Suelo R	SFST = Semi-Flush St. Steel Trim SFBT = Semi-Flush Brass Trim SFGMT = Semi-Flush Gunmetal Trim	F = Fixed	35 = 3.5"	2-CC = 2W / Constant current (630mA) 3-CV = 3W / Constant Voltage (24VDC)	27 = 2700K 30 = 3000K 40 = 4000K	HSP = Hyper Spot (3°)		99680	CC: ECO30W-630 SOLO50W-630 SOLO100W-630 CV: OT96-D010 EL96-D010 DI96-24V-JBX-DPH-D010

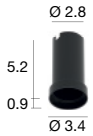
Ordering Information									(Required)
SUR	SFST		35			NSP		99680	
Product	**Trim**	**Type**	**Diameter**	**Wattage/Operation**	**Color Temp**	**Optic**	**+**	**Housing**	**Driver**
SUR = Suelo R	SFST = Semi-Flush St. Steel Trim	F = Fixed FHC = Fixed HoneyComb	35 = 3.5"	8-CC = 8W / Constant current (630mA) 9-CV = 9W / Constant Voltage (24VDC)	27 = 2700K 30 = 3000K 40 = 4000K	NSP = Narrow Spot (9°)		99680	CC: ECO30W-630 SOLO50W-630 SOLO100W-630 CV: OT96-D010 EL96-D010 DI96-24V-JBX-DPH-D010

3.5"
HSP: 2W CC / 3W CV
NSP: 8W CC / 9W CV



Housing

99680
Recessed Housing



120/277VAC DRIVER OPTIONS (pick one)

2W (HSP only) CC Driver options (Remote Only), eldoLED 0-10V dimming:

ECO30W-630 (1%)	**SOLO50W-630 (0.1%)**	**SOLO100W-630 (0.1%)**
Max. 10 fixt./driver Wired in series	10x Max./output, in series Total 20x fixt./driver	10x Max./output, in series Total 40x fixt./driver

8W (NSP only) CC Driver options (Remote Only), eldoLED 0-10V dimming:

ECO30W-630 (1%)	**SOLO50W-630 (0.1%)**	**SOLO100W-630 (0.1%)**
Max. 3 fixt./driver Wired in series	2x Max./output, in series Total 4x fixt./driver	2x Max./output, in series Total 8x fixt./driver

8W/9W CV Driver options (Remote Only), fixtures wired in parallel:

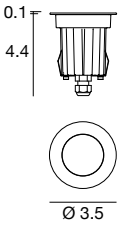
OT96-D010	**EL96-D010**	**DI96-24V-JBXDPH-D010**
eldoLED, 10% 0-10V dim, 96W, Dry location	eldoLED, 0.1% 0-10V dim, 96W, Dry location	0.1% Forward Phase or 0-10V, 96W, Wet location

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Ordering Information									(Required)
SUR	SFST		35					99680	
Product	**Trim**	**Type**	**Diameter**	**Wattage/Operation**	**Color Temp**	**Optic**	**+**	**Housing**	**Driver**
SUR = Suelo R	SFST = Semi-Flush St. Steel Trim	F = Fixed	35 = 3.5"	8-CC = 8W / Constant current (220mA) 9-CV = 9W / Constant Voltage (24VDC)	27 = 2700K 30 = 3000K 40 = 4000K	SP = Spot (15°) NFL = Narrow Flood (26°) WFL = Wide Flood (50°) ELSP = Ellip. Spot (15°x47°) DI = Diffused/Frosted (112°)		99680	CC: ECO30W-220 SOLO50W-220 SOLO100W-220 CV: OT96-D010 EL96-D010 DI96-24V-JBX-DPH-D010
		FHC = Fixed HoneyComb				SP = Spot (14°) NFL = Narrow Flood (24°) MWFL = Medium Wide Flood (43°)			

3.5" 8W CC / 9W CV



Housing

99680
Recessed Housing



120/277VAC DRIVER OPTIONS (pick one)

8W CC Driver options (Remote Only), eldoLED 0-10V dimming:

ECO30W-220 (1%)
1x fixt./driver

SOLO50W-220 (0.1%)
1x Max./output (home-run)
Total 2x fixt./driver

SOLO100W-220 (0.1%)
1x Max./output (home-run)
Total 4x fixt./driver

9W CV Driver options (Remote Only), fixtures wired in parallel:

OT96-D010
eldoLED, 10% 0-10V dim, 96W, Dry location

EL96-D010
eldoLED, 0.1% 0-10V dim, 96W, Dry location

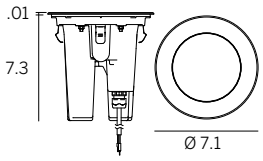
DI96-24V-JBXDPH-D010
0.1% Forward Phase or 0-10V, 96W, Wet location

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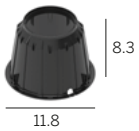
Ordering Information								(Required)
SUR								
Product	**Trim**	**Type**	**Diameter**	**Wattage/Operation**	**Color Temp**	**Optic**	**+**	**Housing**
SUR = Suelo R	FT = Flush Trim (St. Steel) SFST = Semi-Flush St. Steel Trim	F = Fixed	71 = 7.1" (FT) 73 = 7.3" (SFST)	22-ID = 22W / Integral driver (120/277VAC, 0-10V)	27 = 2700K 30 = 3000K 40 = 4000K	SP = Spot (16°) FL = Flood (37°) WFL = Wide Flood (52°)		83328 83329 (FT) 83331 (SFST) 83330
		FHC = Fixed HoneyComb				SP = Spot (14°) NFL = Narrow Flood (24°) MWFL = Medium Wide Flood (43°)		
		FDL = Fixed DarkLight				SP = Spot (15°) FL = Flood (33°) MWFL = Medium Wide Flood (42°)		

7.1" 22W ID

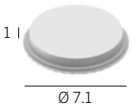


Housings

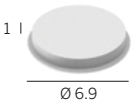
83328
Recessed Housing



83329
Polystyrene installation template (top) for FT



83331
Polystyrene installation template (top) for SFST



83330
Housing bottom plate

