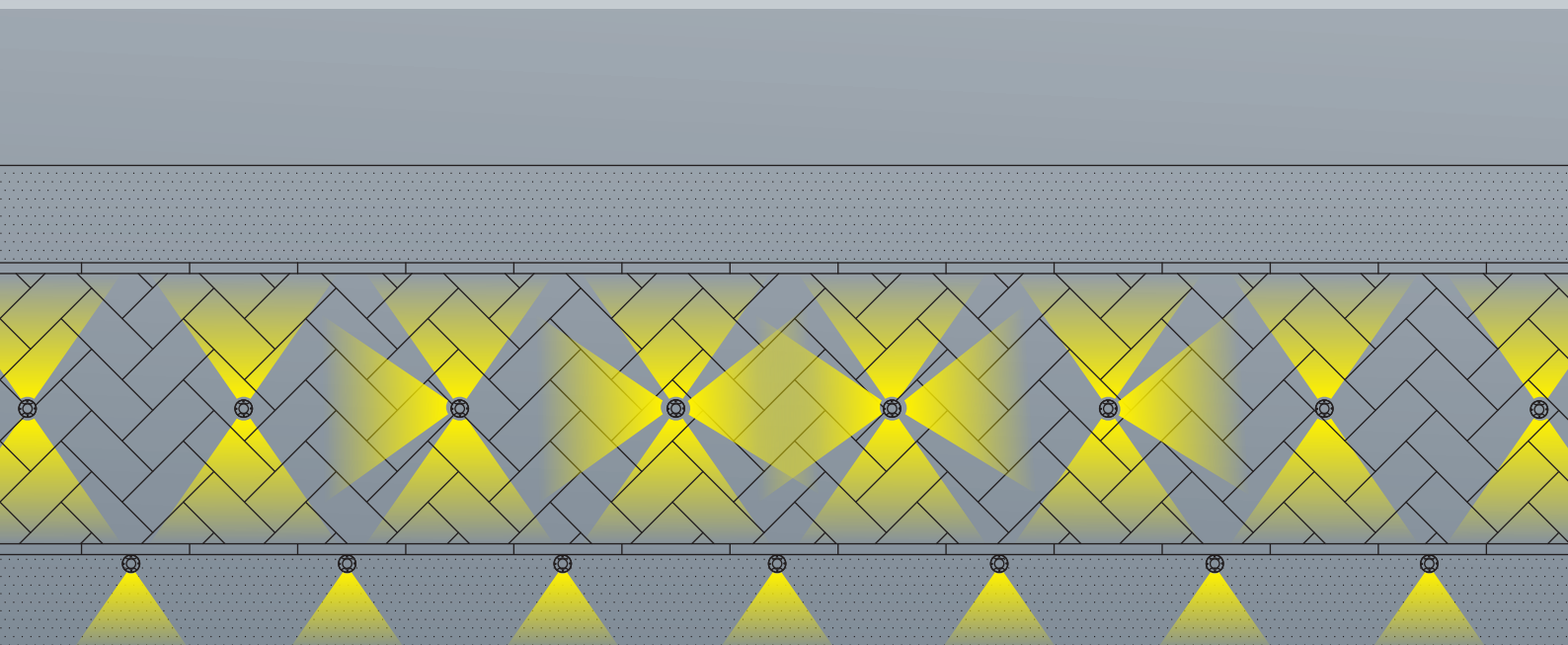
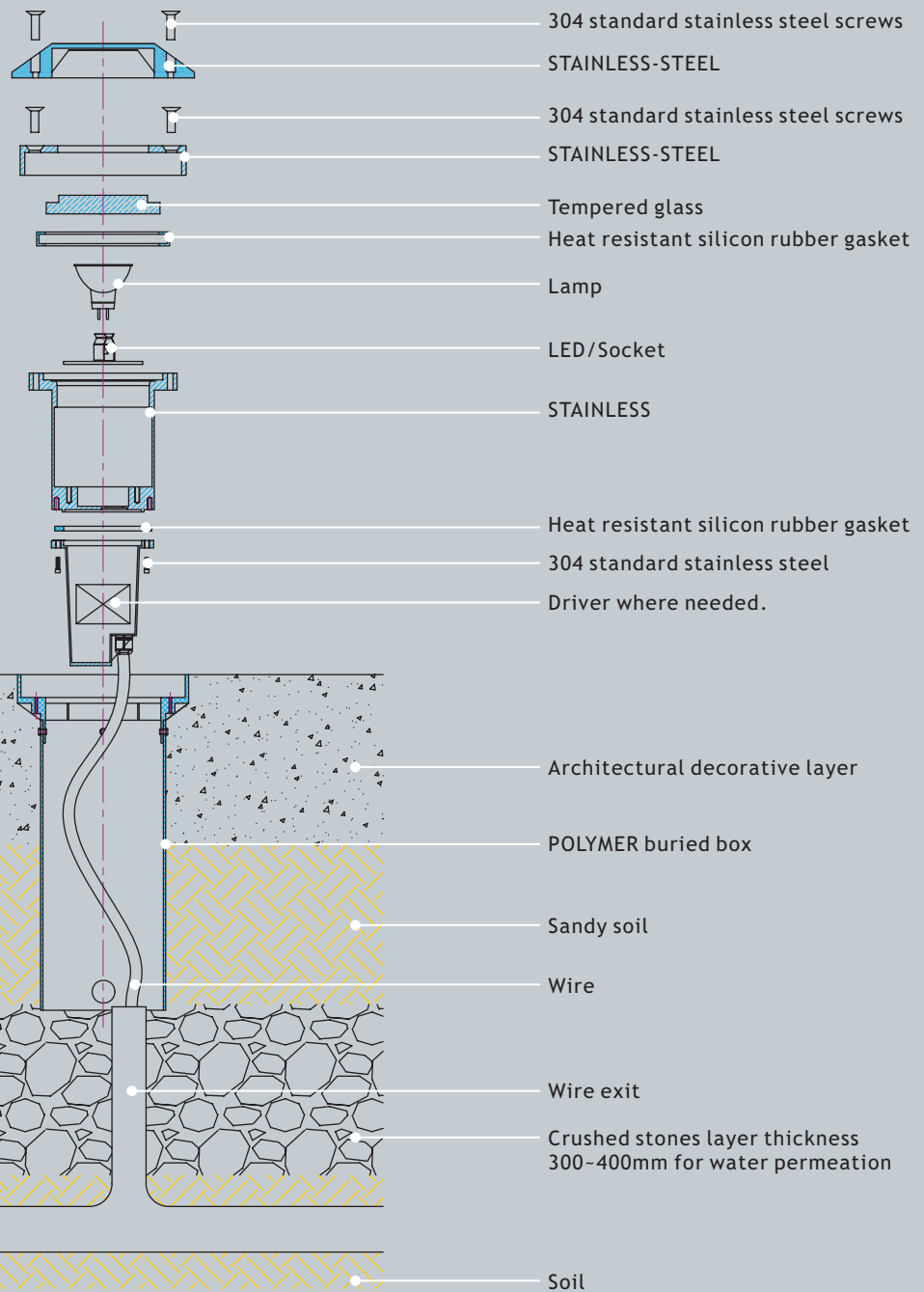
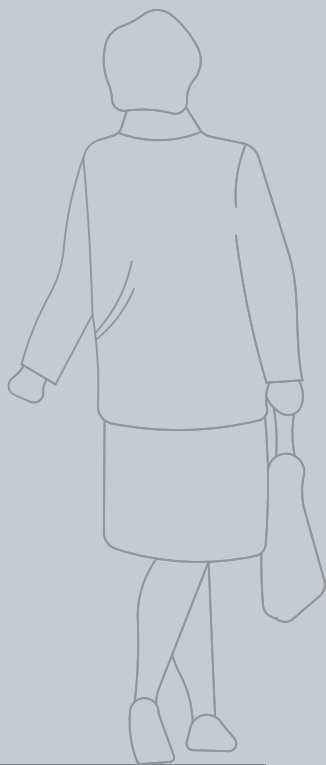


LUXILUM[®]



RECESSED IN-GROUND LIGHT NAVARRA PATH LIGHT





FOR ILLUSTRATION ONLY, MIGHT NOT BE FOR ALL FIXTURES

BARCA STAINLESS

Stylish recessed in-ground light.
Suitable for walkways, parks,
decks and pool side.

Body made of AISI 316L Marine
Grade Stainless steel, with AISI
316L Trim cover and 304 stainless
steel screws and recessing depth
105mm, 125mm and 135mm

Reflector made of anodized Aluminum
with LED module at the center of the
reflector for optimum light out-put.

The fixture is IP68 ingress protection
so it will make it suitable to be installed
close to the ponds, fountains and is
suitable to be installed close to sea and
oceans.

Fixture is equipped with tempered glass
diffuser for good protection.

The LED laminar equipped with built-in
LED modules or lamp with energy class: **A A+ A++**
12V, 220V-240V high power LED/GU10.

Recess housing made of polymer with high
resistance to atmospheric agents.

NAVARRA SMALL

Quick Reference

NAVAS11.050095.1.5
 NAVAS12.050095.1.5
 NAVAS13.050095.1.5
 NAVAS14.050095.1.5



STAINLESS STEEL BODY AND COVER

PC RECESSED BOX

	NAVAS11	NAVAS12	NAVAS13	NAVAS14
				
Lamp	LED	LED	LED	LED
Wattage	1.5W	1.5W	1.5W	1.5W
Height	95mm	95mm	95mm	95mm
Dimension	50mm	50mm	50mm	50mm
Cut-Out 	42mm	42mm	42mm	42mm
Illumination Distribution	Asymetric one direction	Asymetric two directions	Asymetric three directions	Asymetric four directions
Driver	EL	EL	EL	EL
Ingress Protection	IP67/68	IP67/68	IP67/68	IP67/68



FOR ILLUSTRATION ONLY, MIGHT NOT BE FOR ALL FIXTURES

NAVARRA SMALL



BODY: stainless steel marine grade 316L
RING AND COVER : stainless steel marine grade 316L
SCREWS: stainless steel 304
Diffuser: tempered Glass
REFLECTOR: aluminum
LAMP: LED
VOLTAGE: 12V, external driver for group of fixtures.
COLOR RENDERING: .80
CCT: 3000K, 4000K, 5000K
INGRESS PROTECTION: IP67/68
WATTAGE: 1.5W.
DIAMETER: 50mm.
DEPTH: 95mm.
OPERATING TEMPERATURE: -20° TO +50°

Code	Wattage	CCT	Voltage	Dimensions
NAVAS11.050095.15	1.5W	3000K/4000K/5000K	12V	Dia 50mm Depth 095mm
NAVAS12.050095.15	1.5W	3000K/4000K/5000K	12V	Dia 50mm Depth 095mm
NAVAS13.050095.15	1.5W	3000K/4000K/5000K	12V	Dia 50mm Depth 095mm
NAVAS14.050095.15	1.5W	3000K/4000K/5000K	12V	Dia 50mm Depth 095mm



NAVARRA MEDIUM

Quick Reference

NAVAM15.070100.3.5
NAVAM16.070100.3.5
NAVAM17.070100.3.5
NAVAM18.070100.3.5



STAINLESS STEEL BODY AND COVER

PC RECESSED BOX

NAVAM15

NAVAM16

NAVAM17

NAVAM18

	NAVAM15	NAVAM16	NAVAM17	NAVAM18
Lamp	LED	LED	LED	LED
Wattage	3.5W	3.5W	3.5W	3.5W
Height	100mm	100mm	100mm	100mm
Dimension	70mm	70mm	70mm	70mm
Cut-Out	60mm	60mm	60mm	60mm
Illumination Distribution	Asymetric one direction	Asymetric two directions	Asymetric three directions	Asymetric four directions
Driver	EL	EL	EL	EL
Ingress Protection	IP67/68	IP67/68	IP67/68	IP67/68



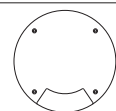
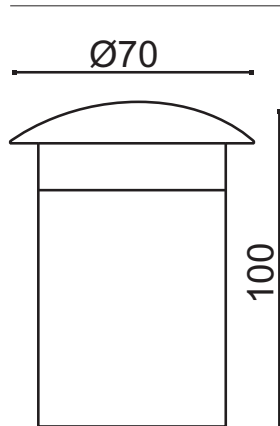
FOR ILLUSTRATION ONLY, MIGHT NOT BE FOR ALL FIXTURES

NAVARRA MEDIUM

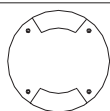


BODY: stainless steel marine grade 316L
RING AND COVER : stainless steel marine grade 316L
SCREWS: stainless steel 304
Diffuser: tempered Glass
REFLECTOR: aluminum
LAMP: LED
VOLTAGE: 12V, external driver for group of fixtures.
COLOR RENDERING: .80
CCT: 3000K, 4000K, 5000K
INGRESS PROTECTION: IP67/68
WATTAGE: 3.5W.
DIAMETER: 70mm.
DEPTH: 100mm.
OPERATING TEMPERATURE: -20° TO +50°

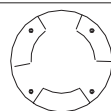
Code	Wattage	CCT	Voltage	Dimensions
NAVAM15.070100.35	3.5W	3000K/4000K/5000K	12V	Dia 70mm Depth 100mm
NAVAM16.070100.35	3.5W	3000K/4000K/5000K	12V	Dia 70mm Depth 100mm
NAVAM17.070100.35	3.5W	3000K/4000K/5000K	12V	Dia 70mm Depth 100mm
NAVAM18.070100.35	3.5W	3000K/4000K/5000K	12V	Dia 70mm Depth 100mm



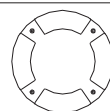
NAVAM15



NAVAM16



NAVAM17



NAVAM18



FOR ILLUSTRATION ONLY, MIGHT NOT BE FOR ALL FIXTURES

LUXILUM

NAVARRA GRANDE

Quick Reference

NAVAG19.090155.5.5
NAVAG20.090155.5.5
NAVAG21.090155.5.5
NAVAM22.090155.5.5



STAINLESS STEEL BODY AND COVER

PC RECESSED BOX

	NAVAM15	NAVAM16	NAVAM17	NAVAM18
				
Lamp	LED GU10	LED GU10	LED GU10	LED GU10
Wattage	5.5W	5.5W	5.5W	5.5W
Height	155mm	155mm	155mm	155mm
Dimension	90mm	90mm	90mm	90mm
Cut-Out 	80mm	860mm	80mm	80mm
Illumination Distribution	Asymetric one direction	Asymetric two directions	Asymetric three directions	Asymetric four directions
Driver	N.R.	N.R.	N.R.	N.R.
Ingress Protection	IP67/68	IP67/68	IP67/68	IP67/68



FOR ILLUSTRATION ONLY, MIGHT NOT BE FOR ALL FIXTURES

NAVARRA GRANDE



BODY: stainless steel marine grade 316L
RING AND COVER : stainless steel marine grade 316L
SCREWS: stainless steel 304
Diffuser: tempered Glass
REFLECTOR: aluminum
LAMP: LED GU10
VOLTAGE: 240V.
COLOR RENDERING: .80
CCT: 3000K, 4000K, 5000K
INGRESS PROTECTION: IP67/68
WATTAGE: 5.5W.
DIAMETER: 90mm.
DEPTH: 155mm.
OPERATING TEMPERATURE: -20° TO +50°

Code	Wattage	CCT	Voltage	Dimensions
NAVAG19.090155.55	5.5W	3000K/4000K/5000K	220V	Dia 90mm Depth 155mm
NAVAG20.090155.55	5.5W	3000K/4000K/5000K	220V	Dia 90mm Depth 155mm
NAVAG21.090155.55	5.5W	3000K/4000K/5000K	220V	Dia 90mm Depth 155mm
NAVAG22.090155.55	5.5W	3000K/4000K/5000K	220V	Dia 90mm Depth 155mm

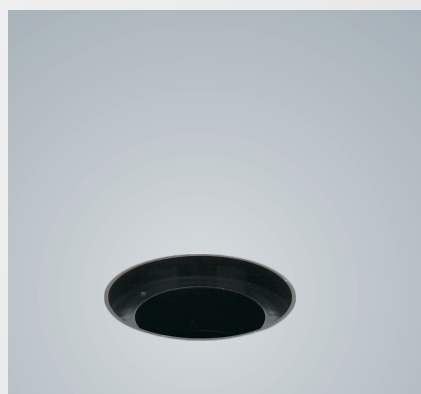


Installation Steps

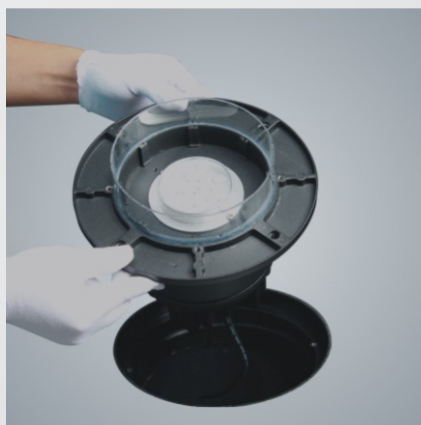
Disassemble the pre-buried bracket.



Keep a wire in the mounting position, then install the pre-buried bucket into the mounting hole, make sure the up edge of the pre-buried bucket and the mounting surface are in the same level, use 30-40CM thickness layer of crushed stone below the pre-buried bucket or other solution to flow the water.

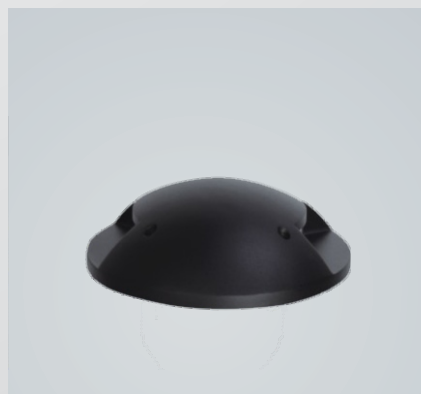


Connect the wire, make sure the waterproof components is fixed tight, install the light body into the pre-buried bucket.



Fix the stainless steel frame and complete installation.

Glass temperature < 40°



IP

Degree of protection

The resistive performance of fittings to solids and liquids is indicated by the IP values (International Protection). For example IP67 indicates that the fittings has protection 6 against the solid penetration (first characteristic numeral) and protection 7 against the liquid penetration (second characteristic numeral) .

First characteristic numeral	Degree of protection	
	Short description	Brief details of objects which will be “excluded” from the enclosure
0	Non-protected	No special protection
1	Protected against solid objects greater than 50 mm	A large surface of the body, such as a hand (but no protection against deliberate access). Solid objects exceeding 50 mm in diameter
2	Protected against solid objects greater than 12 mm	Fingers or similar objects not exceeding 80 mm in length. Solid objects exceeding 12 mm in diameter
3	Protected against solid objects greater than 2,5 mm	Tools, wires, etc., of diameter or thickness greater than 2,5 mm. Solid objects exceeding 2,5 mm in diameter
4	Protected against solid objects greater than 1,0 mm	Wires or strips of thickness greater than 1,0 mm. Solid objects exceeding 1,0 mm in diameter
5	Dust-protected	Ingress of dust is not totally prevented but dust does not enter in sufficient quantity to interfere with satisfactory operation of the equipment
6	Dust-tight	No ingress of dust




Second characteristic numeral	Degree of protection	
	Short description	Details of the type of protection provided by the enclosure
0	Non-protected	No special protection
1	Protected against dripping water	Dripping water (vertically falling drops) shall have no harmful effect
2	Protected against dripping water when tilted up to 15°	Vertically dripping water shall have no harmful effect when the enclosure is tilted at any angle up to 15° from its normal position
3	Protected against spraying water	Water falling as a spray at an angle up to 60° from the vertical shall have no harmful effect
4	Protected against splashing water	Water splashed against the enclosure from any direction shall have no harmful effect
5	Protected against water jets	Water projected by a nozzle against the enclosure from any direction shall have no harmful effect
6	Protected against heavy seas	Water from heavy seas or water projected in powerful jets shall not enter the enclosure in harmful quantities
7	Protected against the effects of immersion	Ingress of water in a harmful quantity shall not be possible when the enclosure is immersed in water under defined conditions of pressure and time
8	Protected against submersion	The equipment is suitable for continuous submersion in water under conditions which shall be specified by the manufacturer. NOTE - Normally, this will mean that the equipment is hermetically sealed. However with certain types of equipment it can mean that water can enter but only in such a manner that it produces no harmful effects.

TECHNICAL INFORMATION AND HOMOLOGATIONS

Ordinary.....	IP20		No symbol
Drip-proof.....	IPX1		(One drop)
Rain-proof.....	IPX3		(One drop in a square)
Splash-proof.....	IPX4		(One drop in a triangle)
Jet-proof.....	IPX5		(Two triangles with one drop in each)
Powerful water jet-proof.....	IPX6		No symbol
Watertight(immersible).....	IPX7		(Two drops)
Pressure-watertight (submersible).....	IPX8	m	(Two drops followed by an indication of the maximum depth of submersion in metres)
Protected against solid objects greater than 2,5 mm.....	IP3X		No symbol
Protected against solid objects greater than 1 mm.....	IP4X		No symbol
Dust-proof.....	IP5X		(A mesh without a frame)
Dust-tight.....	IP6X		(A mesh with a frame)

Inflammability of surface protection		Luminaires suitable for direct mounting on flammable surfaces.
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Minimum distance		Minimum distance from lighted objects (metres).
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Protection against electric shock		CLASS I The protection is based, further to the principal insulation, on the connection of the accessible conducting parts to an earth wiring.
		CLASS II The protection is based on the principal insulation and supplementary measures same as the double insulation. The luminaire does not need to be earthed.
		CLASS III Class III luminaire supplied with low voltage (12V, 24V). The luminaire does not need to be earthed.

Quality marks		Products have been subjected to stringent safety control tests. Products respect the European quality standard as NEK_EN 60598-21 and NEK_EN 60598-1
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LuxiLum

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