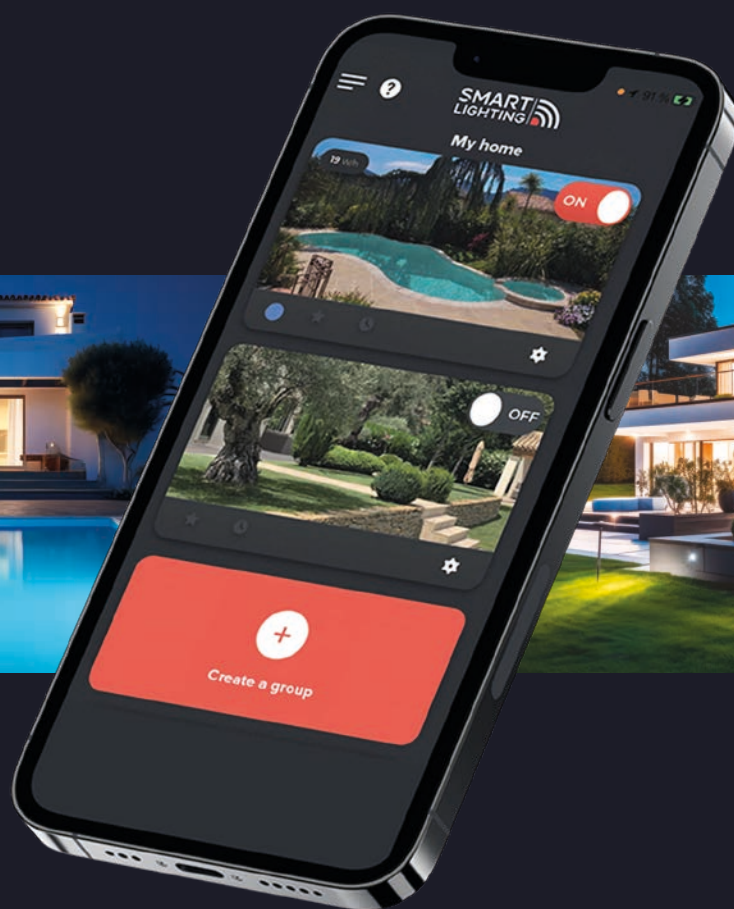# SMART LIGHTING

FOR INSTALLER ONLY

by SEAMAID

THE CONNECTED LIGHTING SOLUTION OF SEAMAID FOR POOL AND GARDEN

2024

summary

SEAMAID
LED LIGHTING SOLUTIONS

Created in 2006 by the French company ALPHADIF, a specialist in LED lighting, the SEAMAID brand develops and offers new lighting solutions for gardens and above-ground and in-ground pools that are easier to install, simpler to use and, above all more economical than the old incandescent or halogen lamps.

Safe, competitively-priced lighting solutions that comply with European regulations and standards, the SEAMAID brand is well established in the European swimming pool market and enjoys an excellent reputation.

Always attentive to consumer expectations and the needs of installers, ALPHADIF's R&D team is constantly innovating day after day.

Objective :
To come up with new, original and patented lighting systems to make the most of your outdoors!

Today, SEAMAID offers a complete range of floodlights for the pool, the garden and to take everywhere with you.

SMART LIGHTING

FOR INSTALLER ONLY

Smartlighting is a new range of LED pool and garden lighting developed by SEAMAID, combining high power and on-board intelligence, dedicated exclusively to professional networks.

Powered by ⎓24V(DC) safety extra-low voltage, this range is easy to install in a pool or garden, without any special work or burying of cables.

These new generation LED luminaires have an exclusive communication module developed by the ALPHADIF R&D team, enabling them to be controlled remotely using the power to which they are connected.

1 All you need to do is establish a Wifi connection with the internet box installed and the SEAMAID application will connect to the installation, whether you're on site or out and about, as long as the the Internet network is accessible.

2 For your next pool and garden lighting project, draw up a plan of the area map of the premises to be equipped, identify the areas to be lit and locate the internet box.

3 Then install the **Smartlighting** projectors, selecting them from the range according to the desired result.

To illuminate a flower bed, create a luminous atmosphere in your pool or your terrace, there's bound to be a Smartlighting lighting solution to suit your needs.

THE SEAMAID APPLICATION

With the SEAMAID app, which is 100% free of charge and requires no subscription, you can control all your connected LED pool and garden lights from your smartphone.

Download the free application and immerse yourself in the connected world of SEAMAID, using the demo mode to play with all the functions and design your own installation!

No need to go into your technical room or your garage!

Just sit back and manage your pool and garden lighting. For private or public use, on your smartphone or tablet, you can control the **SMARTLIGHTING** luminaires in your pool and garden and access all the functions in complete simplicity thanks to the SEAMAID APP.
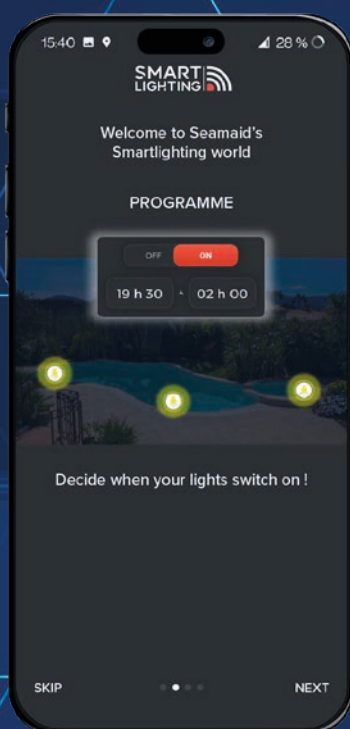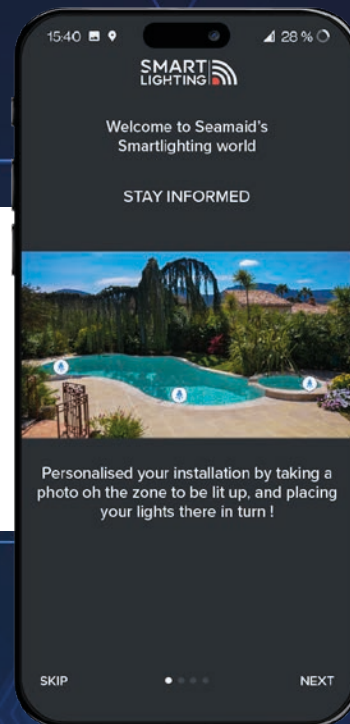
Url site app : **www.seamaid.app**

1 | SET UP

Take a photo of your installation or an area to be lit from the application and place each of your luminaires there for totally personalised control of your experience.

Switch your lights on and off directly from your smartphone.

2 | PROGRAM

Decide on the different illumination periods for fully automated management of your luminaires.
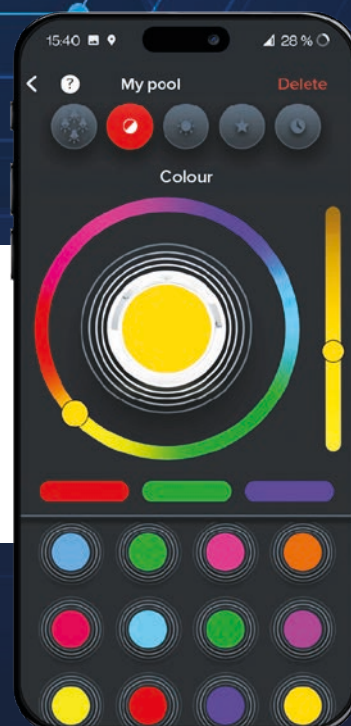
The application lets you add 2 time slots for your lights to switch on and off automatically.

3 | CONTROL

Choose colours, lighting effects and luminous intensity for one or more of your luminaires at a time.

Use the application to choose your favourite colours and add them to your favourites!

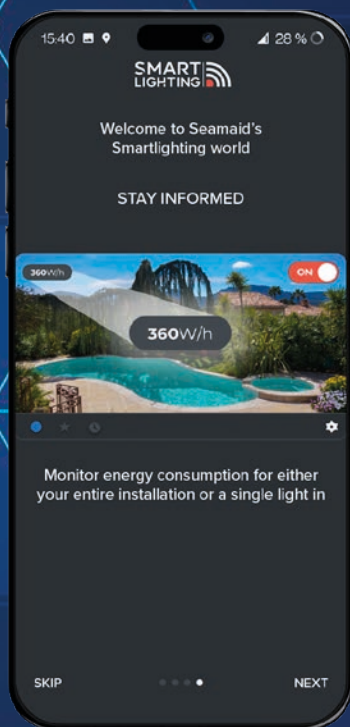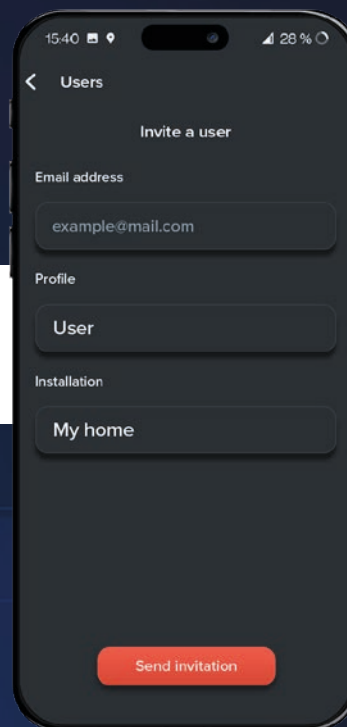## 4 | SHARE

Family, neighbours, friends - invite the users of your choice to control your system!

5 | MANAGE

Monitor and optimise the energy consumption of your installation or groups of luminaires.

The app gives you information in real time!

6 | STAY INFORMED

Download updates for your application!
Benefit from new features!
Check the technical messages for your system!

SMART LIGHTING

FOR INSTALLER ONLY

SMARTLIGHTING LUMINAIRES

FOR SWIMMING POOL

Smartlighting pool lights are distinguished from traditional SEAMAID brand lights by their black colour.

To be installed during the construction of in-ground pools or for the renovation of old incandescent or LED projectors, these lamps and spotlights offer high ligting power while being discreet and can be connected to a **Smartlighting** garden lighting installation.

HIKARI*

ECOPROOF PAR56 LAMP

Choose the
HIKARI* Ecoproof PAR56 lamp
to replace your current 300W incandescent or LED lamp.

	Available in cool white and RGB On/Off versions				
REF	**SIZE Ø**	**COLOR**	**MAX FLUX**	**NUMBER LED**	**MAX POWER**
502723	178 mm	RGB	800 lm	120	16 W
502709	178 mm	Cold White 6500k	2 300 lm	120	20 W

Compatible with most niches on the market.

Suitable for construction, replacement and renovation.

Simple, safe installation.

Thanks to its waterproof chamber, the power cable plugs directly into the lamp.

HIGH POWER LED

VOLTAGE 24V (DC)

IP68

120°

ON/OFF MODE

RoHS Reach

2-YEAR GUARANTEE

C E

UK CA

For older pools, opt for the SEAMAID clip-on renovation crown, supplied with 3 deformable lugs and 3 screws, compatible with all projectors on the market, including the largest, and available in 5 colours.

REF.	SIZE ⌀	COLOR	
504260	325 mm	White	
504277	325 mm	Light blue	
504284	325 mm	Sand	
504291	325 mm	Light grey	
504307	325 mm	Dark grey	

Fitting an Ecoproof lamp in the SEAMAID renovation kit

CLIP
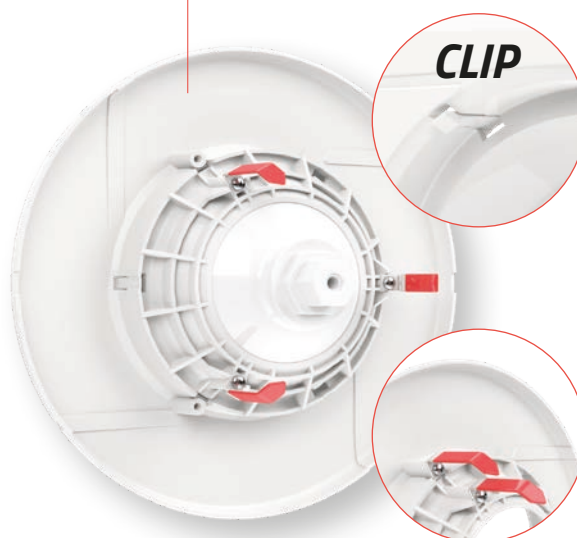
For pojectors fitted with a 2x6mm² power supply cable (FLUIDRA), use the waterproof connection kit supplied with 1 2x4mm² cable compatible with the PAR56 Ecoproof lamp, 2 connectors and a heat-shrink tube.

REF. : 501689

TAIYO*

MINI-PROJECTOR

*Sun

Compatible with all types of pool,
the TAIYO* projector
illuminates your pool up to 8x4m.

Disponible en version blanc froid et RVB On/Off					
REF	**SIZE ⌀**	**COLOR**	**MAX FLUX**	**NUMBER LED**	**MAX POWER**
502891	145-165mm	RGB	400lm	18	10 W
502884	145-165mm	Cold White 6500k	1100lm	36	8 W

EASY TO INSTALL

The rear of the plug has a 1.5'' male thread, to make it easier to install, as no specialist tools are required.

You just need a wall fitting with a 1,5'' vacuum fitting at the end, and then screw the rear part of the projector.

HIGH POWER LED | VOLTAGE 24V (DC) | III | IP68 | 120° | ON/OFF MODE | RoHS Reach | 2-YEAR GUARANTEE | CE | UK CA

TAIYO* crowns are available in 5 colours :

REF. concrete	SIZE ⌀	REF. liner	SIZE ⌀	COLOR	
503126	145 mm	503133	165 mm	White	⚪
503027	145 mm	503034	165 mm	Light blue	🔵
503003	145 mm	503010	165 mm	Sand	🟡
503041	145 mm	503058	165 mm	Light grey	⚪
503065	145 mm	503072	165 mm	Dark grey	⚫

INSTALLATION RECOMMENDATIONS :
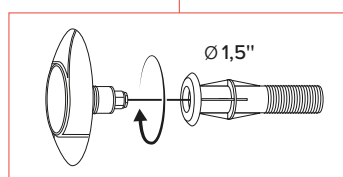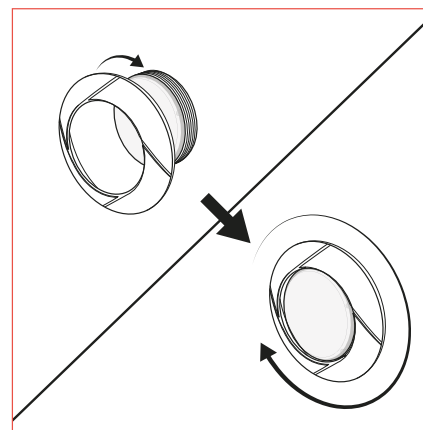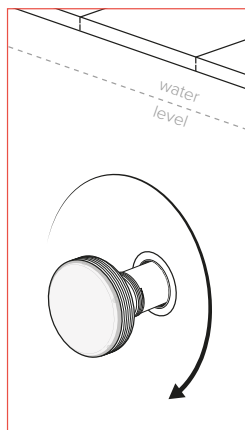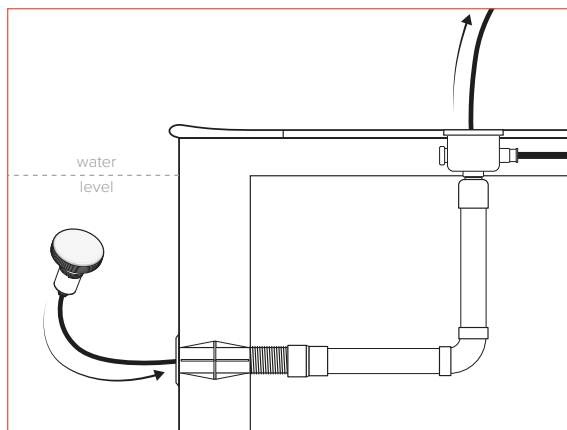
It is important to check the compatibility of the vacuum fitting before final assembly.

Some models fitted with a thread locking system are not suitable.
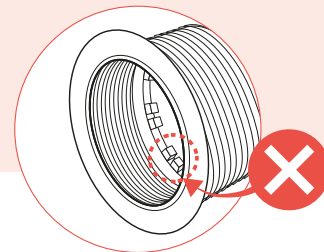
Principles of installation

Clever:

Supplied as standard with 2 adjustable white crowns, it fits just as easily for shell/concrete structures, as it does for liner or reinforced for liner or reinforced membrane.

⌀ 1,5"

NIKKO*

TUBULAR PROJECTOR

Illuminate your spa, stairs, immerged beach or swim lane with

the NIKKO* tubular projector

Available in cool white and RGB On/Off versions

REF	SIZE ⌀	COLOR	MAX FLUX	NUMBER LED	MAX POWER
502976	50 mm	RGB	260lm	9	6 W
502969	50 mm	Cold White 6500k	680lm	18	6 W

EASY TO INSTALL

The rear of the plug has a 1.5'' male thread, to make it easier to install, as no specialist tools are required.

You just need a wall fitting with a 1,5'' vacuum fitting at the end, and then screw the rear part of the projector.

HIGH POWER LED

VOLTAGE 24V (DC)

III

IP68

120°

ON/OFF MODE

RoHS Reach

2-YEAR GUARANTEE

CE

UKCA

COMPLEMENTARY PRODUCTS

Round and square crowns available in 5 colours and metallic finish make lighting an attractive feature (compatible with vacuum fitting for concrete and liner).

REF. round	REF. square	COLOR
503218	503317	Light blue
503225	503324	Sand
503232	503331	Light grey
503249	503348	Dark grey
503201	503300	White
503256	503355	Metallic

Principles of installation

water level

#501368

∅ 1,5"
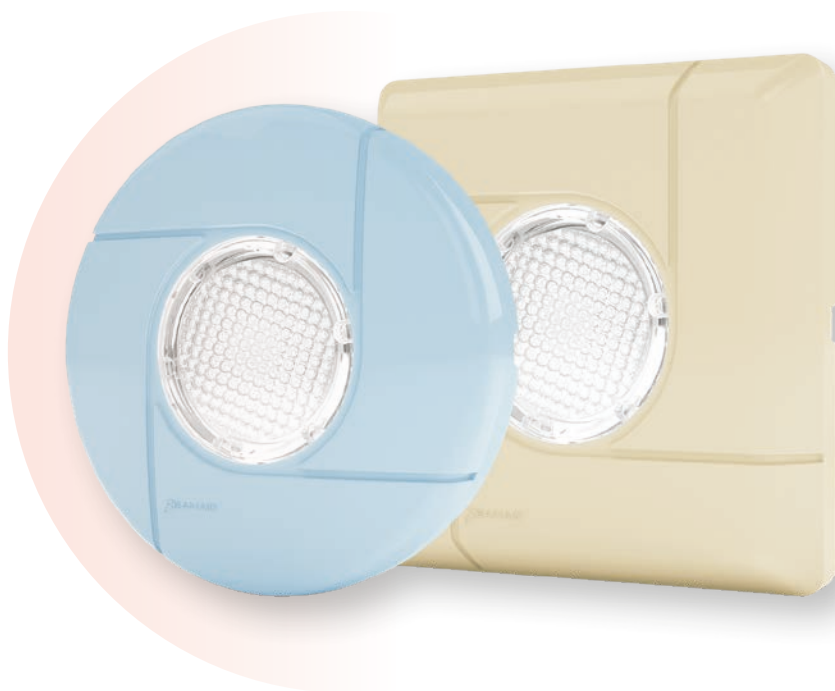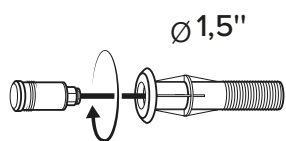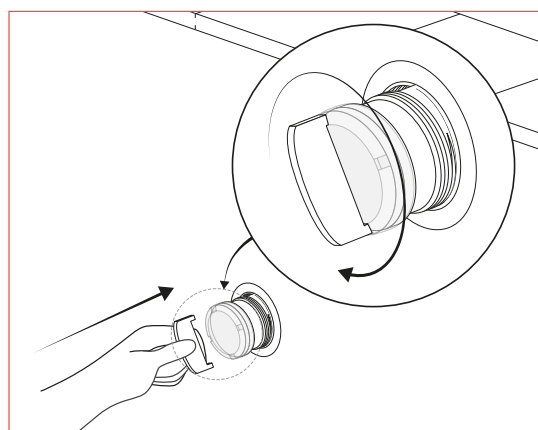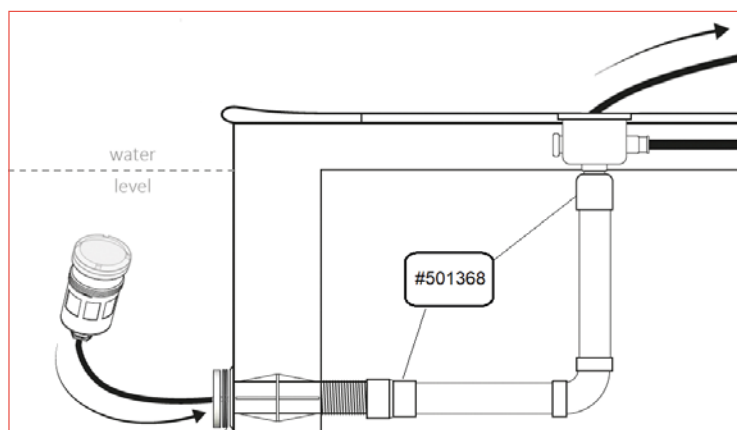
Discreet and efficient:

Once fully screwed in, the NIKKO projector disappears through the wall, revealing only its 50mm diameter optical diffuser.

In use, the projector disappears, leaving only the light visible.

INSTALLATION RECOMMENDATIONS:

It is important to check the compatibility of the vacuum fitting before final assembly.

Some models fitted with a thread locking system are not suitable.

SMART LIGHTING

FOR INSTALLER ONLY
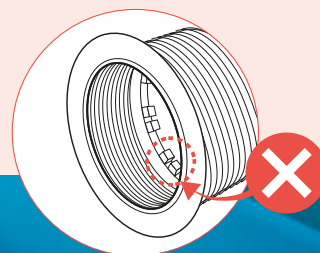
SMARTLIGHTING LUMINAIRES

FOR THE GARDEN

To illuminate your garden, the **Smartlighting** range of luminaires offers you robustness and lighting efficiency.

Adjustable or recessed, choose the size, wattage and light source that best suits your needs to illuminate your landscaped beds, stonework, terraces and pathways, or provide practical, safe lighting for your driveways.

With a ⎓24V(DC) safety extra-low voltage power supply, you can have your system built and upgraded at any time, without the need for any special work or burying of cables.

YOKO*

ADJUSTABLE PROJECTOR

Made from 316L stainless steel, YOKO* Smartlighting adjustable

floodlights are extremely robust and resistant to harsh environments.

With their base plate fixed to a rigid support or simply placed on the floor, you can direct the beam of light as you wish.

Supplied assembled with a 2-metre HO5RNF or HO7RNF cable, YOKO* adjustable floodlights are available in 3 sizes and 4 lighting versions.

SIZE: Ø195 x H200 mm

| HIGH POWER LED | VOLTAGE 24V (DC) | III | IP68 | 120° | ON/OFF MODE | RoHS Reach | 2-YEAR GUARANTEE | CE | UK CA |

AVAILABLE IN 3 MODELS

REF.	SIZE ⌀	COLOR	MAX FLUX	NUMBER OF LEDS	MAX POWER
505120	105 mm	Warm white 4000k	610 lumens	18	6 W
505137	105 mm	Amber	400 lumens	9	6 W
505144	105 mm	RGB	230 lumens	9	6 W
505151	105 mm	White CTC (3000/4000/5000k)	510 lumens	9	6 W
505069	125 mm	Warm white 4000k	1050 lumens	36	10 W
505076	125 mm	Amber	570 lumens	18	10 W
505083	125 mm	RGB	450 lumens	18	10 W
505090	125 mm	White CTC (3000/4000/5000k)	840 lumens	18	10 W
505007	195 mm	Warm white 4000k	2500 lumens	120	20 W
505014	195 mm	Amber	1800 lumens	120	20 W
505021	195 mm	RGB	870 lumens	120	16 W
505038	195 mm	White CTC (3000/4000/5000k)	1830 lumens	120	16 W

SIZE: ⌀125 x H150 mm

SIZE: ⌀105 x H125 mm

ASAHI*
RECESSED PROJECTOR

Made from 316L stainless steel, ASAHI* Smartlighting recessed projectors

are extremely robust and resistant to aggressive environments.

With their concrete embedding box or simply placed in the ground, their beam of light will illuminate foliage or the base of large plants from below.

Supplied assembled with a 2-metre HO5RNF or HO7RNF cable, ASAHI* recessed projectors are available in 3 sizes and 4 lighting versions.

SIZE: Ø220 x H115 mm

| HIGH POWER LED | VOLTAGE 24V (DC) | III | IP68 | 120° | ON/OFF MODE | RoHS Reach | 2-YEAR GUARANTEE | CE | UK CA |

AVAILABLE IN 3 MODELS

REF.	SIZE Ø	COLOR	MAX FLUX	NUMBER OF LEDS	MAX POWER
505304	74 mm	Warm white 4000k	610 lumens	18	6 W
505311	74 mm	Amber	400 lumens	9	6 W
505328	74 mm	RGB	230 lumens	9	6 W
505335	74 mm	White CTC (3000/4000/5000k)	510 lumens	9	6 W
505243	140 mm	Warm white 4000k	1050 lumens	36	10 W
505250	140 mm	Amber	570 lumens	18	10 W
505267	140 mm	RGB	450 lumens	18	10 W
505274	140 mm	White CTC (3000/4000/5000k)	840 lumens	18	10 W
505182	220 mm	Warm white 4000k	2500 lumens	120	20 W
505199	220 mm	Amber	1800 lumens	120	20 W
505205	220 mm	RGB	870 lumens	120	16 W
505212	220 mm	White CTC (3000/4000/5000k)	1830 lumens	120	16 W

SIZE: Ø74 x H98 mm
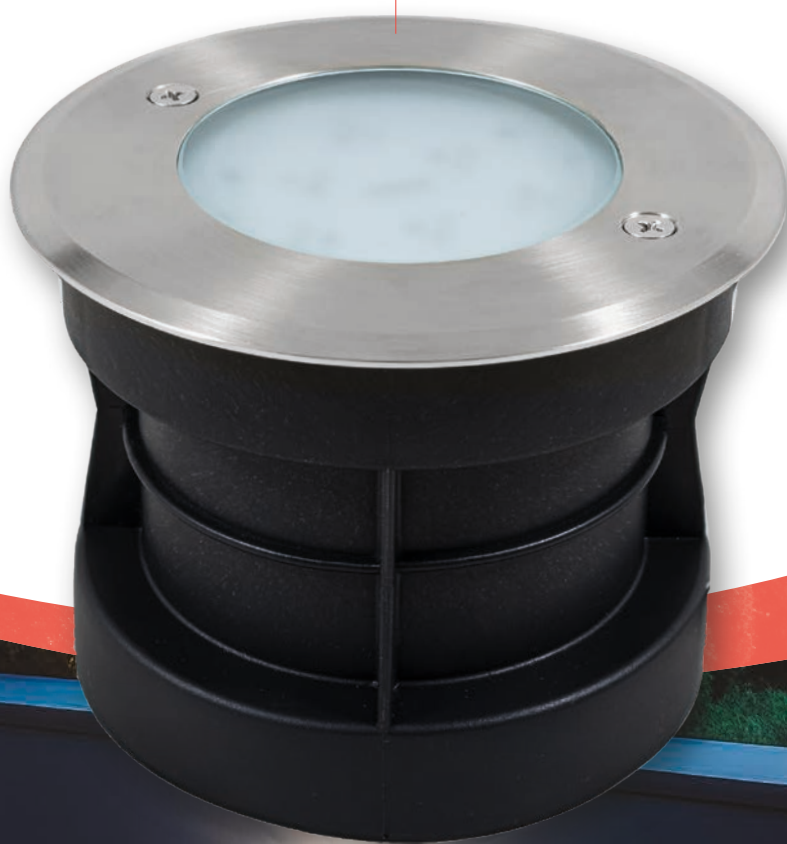
SIZE: Ø140 x H105 mm

HINODE*

WALLWASHER PROJECTOR

Made from grey anodised aluminium,
HINODE* Smartlighting wallwashers

are easy to install, with a plate for fixing to hard materials.

From the ground, for upward lighting along a wall, or vice versa, for a downward lighting effect. These high-power projectors are particularly effective for longinstallations, where they are installed every 2 to 3 metres.

RÉF.	SIZE Ø	COLOR	MAX FLUX	NUMBER OF LEDS	MAX POWER
Available in 4 lighting versions					
505366	380 x 100 x 135 mm	Warm white 4000k	2100 lumens	120	20 W
505373	380 x 100 x 135 mm	Amber	1800 lumens	120	20 W
505380	380 x 100 x 135 mm	RGB	870 lumens	120	16 W
505397	380 x 100 x 135 mm	White CTC (3000/4000/5000k)	1830 lumens	120	16 W

Supplied assembled with a 2-metre HO5RNF or HO7RNF cable.

HIGH POWER LED

VOLTAGE 24V (DC)

III

IP65

120°

ON/OFF MODE

RoHS Reach

2-YEAR GUARANTEE

CE

UKCA

TERASU* Smartlighting terrace projectors combine robustness and luminous power

to illuminate your pool surrounds, your patio or create both decorative and safety features.

TERASU*

TERRACE PROJECTOR

Made from 316L stainless steel, TERASU* Smartlighting deck projectors can be integrated just as easily into a wooden deck as into tiled deck thanks to their flush mounted box.

Available in 3 lighting versions

REF.	SIZE ⌀	COLOR	MAX FLUX	NUMBER OF LEDS	MAX POWER
505427	60 mm	Warm white 4000k	390 lumens	3	6 W
505434	60 mm	Amber	230 lumens	3	6 W
505441	60 mm	Royal blue	120 lumens	3	6 W

Fitted with a 2-metre HO5RNF cable, the patio projectors are supplied in a kit with 3 flush-mounting heads and 1 waterproof electronic connection box.

HIGH POWER LED

VOLTAGE 24V (DC)

IP67

120°

ON/OFF MODE

RoHS Reach

2-YEAR GUARANTEE

CE

UKCA

SMART LIGHTING

FOR INSTALLER ONLY

EQUIPMENT & ACCESSORIES

FOR SWIMMING POOL

AND GARDEN

Discover the **Smartlighting** range of complementary equipment for swimming pools and gardens from SEAMAID, designed for perfect installation. Take full advantage of all the features of the SEAMAID application with the IZZYBOX control module!

Connect your old pool and garden lights easily with the universal relay module and ensure optimum watertightness of your cable connections thanks to IP68 waterproof connectors and housings.

IZZYBOX
is the communication and management module

that is installed on the ⎓24V (DC) power supply of SEAMAID's Smartlighting lamps and projectors.

Wall-mounted or mounted directly on the DIN rail of an electrical box, IZZYBOX activates automatically when the luminaire circuit is switched on.

Connected via WiFi to the local internet box, IZZYBOX is in permanent contact with the luminaires installed and provides the link with the SEAMAID application.

REF.	SIZE ⌀	COLOR
504000	65 x 90 x 20 mm	Black

VOLTAGE ⎓24V (DC)

IP44

RoHS Reach

2-YEAR GUARANTEE

CE

UK CA

POWER SUPPLY
UNITS

SEAMAID offers you
ready-to-use ~230V(AC)/⎓24V(DC)
power supply units
to power your Smartlighting pool and garden lighting system.

SMARTLIGHTING ENCLOSURES ARE AVAILABLE IN 3 VERSIONS

REF.	SIZE ⌀	MAX POWER	OUTPUTS	DESCRIPTION
504512	270x250x160mm	150 W	1	Contains 1 LED power supply ~230V/⎓24V/150W, 1 powerline filter 150W, 1 Izzybox
504529	362x500x160mm	300 W	1	Contains 1 LED power supply ~230V/⎓24V/300W, 1 powerline filter 300W, 1 Izzybox
504536	362x500x160mm	600 W	2	Contains 1 LED power supply ~230V/⎓24V/600W , 2 powerline filters 300W, 2 Izzyboxes

Housed in an IP65 enclosure with window, these cabinets are fitted with a special double-insulated LED power supply, a PLC filter for communication between Izzybox and the luminaires connected to the extra-low voltage circuit and Izzybox.

VOLTAGE ⎓ **24V** (DC)

III

IP65

RoHS Reach

2-YEAR GUARANTEE

CE

UKCA

Would you like to control your old pool or garden lights with your Smartlighting installation?

It couldn't be simpler: connect them 1 by 1 or by grouping them together to SEAMAID's Smartlighting **universal relay module**

and control their lighting using the application.

TECHNICAL DATA

| REF.	SIZE ⌀	COLOR	MAX CURRENT	CONNECTED VOLTAGE	CURRENT TYPE
505601	66 x 67 x 25 mm	Black	8A	12V - 230V	AC/DC

VOLTAGE ⎓ 24V (DC)

IP22

RoHS Reach

2-YEAR GUARANTEE

CE

UK CA

STABILISED POWER SUPPLIE
& CPL FILTERS

Stabilised power supplies

REF.	NAME	MAX POWER	INPUT VOLTAGE	OUTPUT VOLTAGE
504482	MEANWELL XLG 150-24-A	150 W	~230V (AC)	⎓24V (DC)
504390	MEANWELL XLG 320V-24-A	300 W	~230V (AC)	⎓24V (DC)
504451	MEANWELL HLG 600H-24-A	600 W	~230V (AC)	⎓24V (DC)

VOLTAGE ⎓24V (DC) | III | IP67

RoHS Reach | 2-YEAR GUARANTEE | CE | UKCA
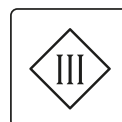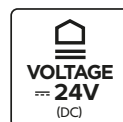
SEAMAID Smartlighting PLC filters

don DIN rail are installed at the ⎓24V (DC) output of the electronic power supply.

REF.	SIZE ⌀	COLOR	POWER
504543	90 x 34 x 60 mm	Black	150 W
504505	90 x 68 x 60 mm	Black	300 W

These filters maintain good communication between the equipment connected to the very low voltage circuit.

VOLTAGE ⎓24V (DC) | III | IP22

RoHS Reach | 2-YEAR GUARANTEE | CE | UKCA

IP68 INSULATING GEL BOX

REF.	DESCRIPTION
504338	Insulating gel box for cable up to 3x6mm²

IP68 CONNECTION BOXES

REF.	NUMBER OF CHANNELS	MAX. VOLTAGE	CABLE SECTION	GAIN DIAMETER
505656	2	24A - 450VAC	0,5 – 2,5mm²	5-9/9-12mm
505663	3	24A - 450VAC	0,5 – 2,5mm²	5-9/9-12mm
505670	4	24A - 450VAC	0,5 – 2,5mm²	5-9/9-12mm
505687	5	24A - 450VAC	0,5 – 2,5mm²	5-9/9-12mm
505694	6	24A - 450VAC	0,5 – 2,5mm²	5-9/9-12mm

2v

3v

4v

5v

6v

LAYOUT DIAGRAM SWIMMING POOL + GARDEN

1

2

C1

C2

GROUP | 1

GROUP | 2

GROUP | 3

GROUP | 4

GROUP | 5
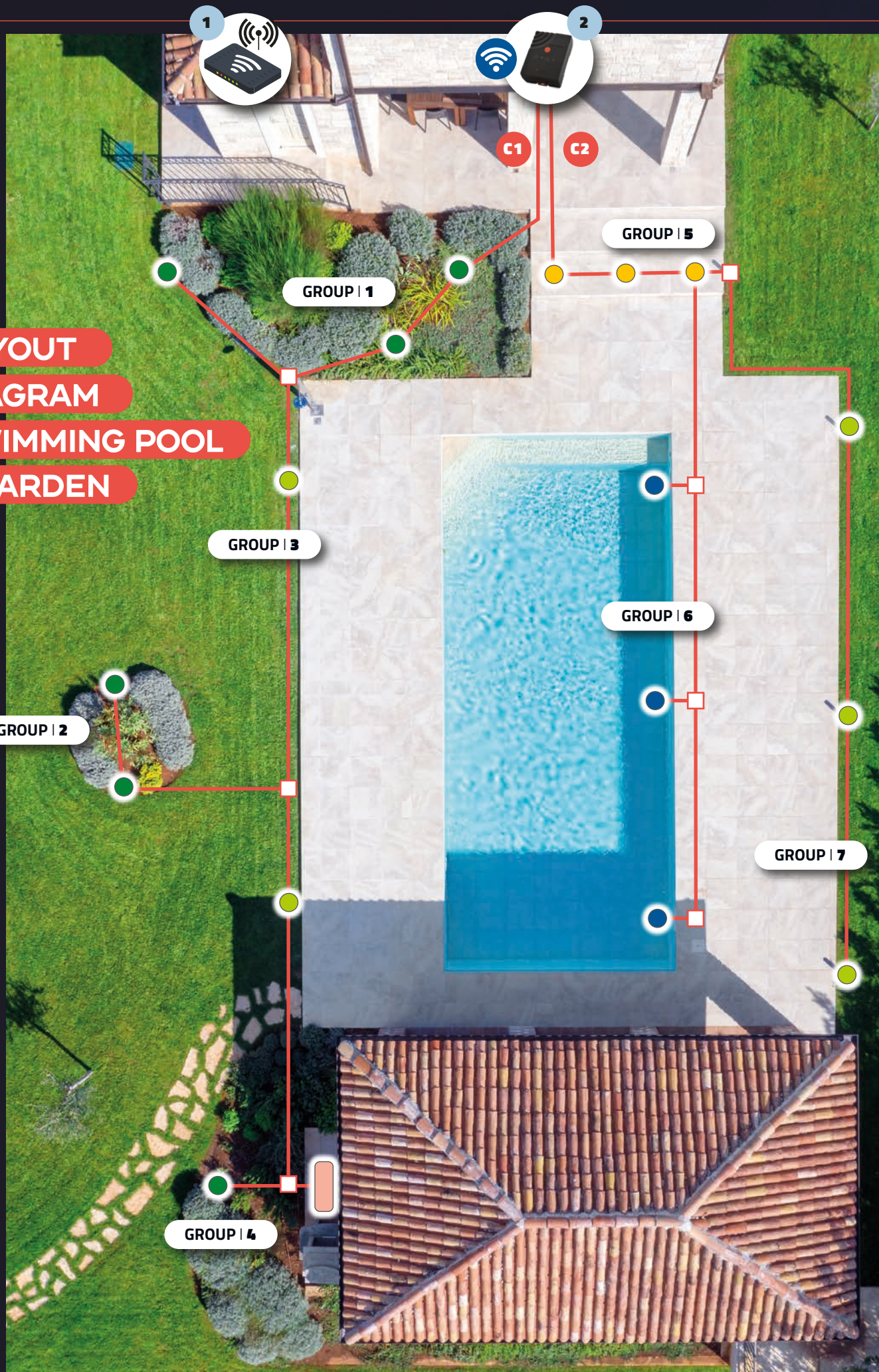
GROUP | 6

GROUP | 7

LAYOUT DIAGRAM LEGEND

1   **LOCAL INTERNET BOX**

2   **═24V(DC) POWER SUPPLY BOX+ CPL FILTRER + IZZYBOX**
    > ref. 504529 - 300W ·· **page 26**

C1   **Cable tray n°1 > Total connected load 106W**

GROUP | 1

3 adjustables projectors YOKO , Warm White > ref. 505069 ● ······· **pages 18-19**
> Max. power 3 x 10W = 30W

GROUP | 2

2 adjustable projectors YOKO, RGB > ref. 505021 ● ············ **pages 18-19**
> Max. power 2 x 16W = 32W

GROUP | 3

2 ASAHI recessed floor projectors, Amber > ref. 505311 ○ ········ **pages 20-21**
> Max. power 2 x 6W = 12W

GROUP | 4

1 HINODE wallwasher, CCT > ref. 505397 ▭ ······················· **page 22**
> Max. power 16W

1 YOKO adjustable projector, RGB > ref. 505021 ● ················ **pages 18-19**
> Max. power 16W

C2   **Cable tray n°2 > Total connected load 54W**

GROUP | 5

1 TERASU terrace projector kit, Royal Blue > ref. 505441 ○ ······· **page 23**
> Max. power 6W

GROUP | 6

3 TAIYO swimming pool projectors, RGB > ref. 502891 ● ·········· **pages 12-13**
> Max. power 3 x 10W = 30W

GROUP | 7

3 ASAHI ground recessed projectors, Amber > ref. 505311 ○ ······· **pages 20-21**
> Max. power 3 x 6W = 18W

▭   **IP68 connection boxes** ···································· **page 29**

Are you a professional
specialising in swimming pool construction or renovation,
landscaping or electrical work?

Become an approved Smartlighting by SEAMAID installer!

FLASH THE QR CODE
and take part in the training
and qualification programme.

| YOUR DISTRIBUTOR |

ALPHADIF
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