

# POOL LIGHTING

**ASTRALPOOL** 

**AQUA  
SPHERE**



**ZODIAC®**

**412 NEW ENERGY EFFICIENCY LABEL**

**413 ASTRALPOOL LUMIPLUS - LED LIGHTING**

- 413 Lighting selection guides for pools
- 417 LED LumiPlus Flexi
- 420 LED LumiPlus Flexi Mini
- 422 LED LumiPlus Design
- 423 LED LumiPlus Micro
- 424 LED LumiPlus Lamps PAR 56
- 426 LED LumiPlus Essential
- 429 Lighting selection guides for spa
- 430 LED LumiPlus for SPA
- 431 Control system selection guide
- 432 LED lighting - Control systems

**434 AQUASPHERE - OTHER LED LIGHTS**

**436 ZODIAC LED NL**

**438 LIGHTS NEW LEGISLATION**

**439 HALOGEN LIGHTING**

**441 NICHES**

**444 TRANSFORMERS AND ACCESSORIES**

**448 OUTDOOR LIGHTING**

**449 AQUARMONY UNDERWATER MUSIC SYSTEM**



**ALBA**  
INTERNATIONAL (PVT) LTD.

Your Trustworthy Partner  
[www.alba.com.mv](http://www.alba.com.mv)

# Energy efficiency

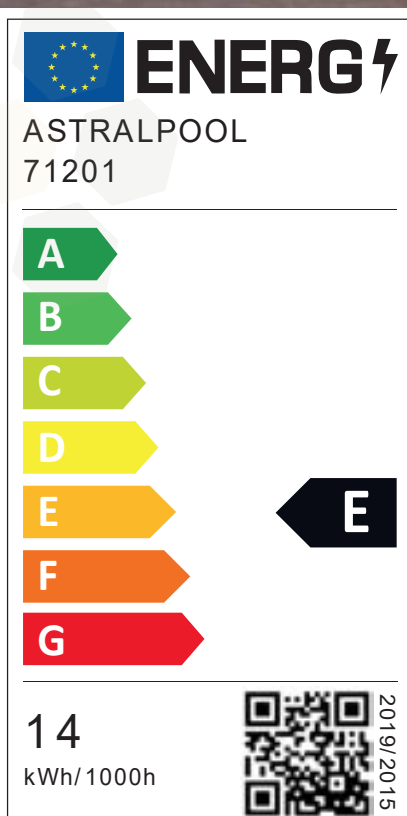
New European regulation of energy labeling for lamps and projectors

## NEW ENERGY EFFICIENCY LABEL FOR LIGHTING

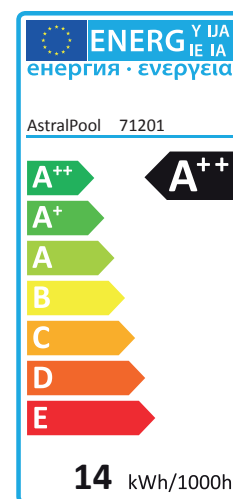
The European Union launches the European Regulation EU 2019/2015 on new energy efficiency labeling in lamps and projectors that starts on September 1st, 2021 and repeals the European Regulation EU 874/2012.

The new Energy Efficiency label allows:

- Providing more information to the installer and customer. Thanks to the new QR code will access the European EPREL base, where the characteristics of the product are available.
- Carrying out a new energy classification promotes evolution of lighting technology.
- Greater control of products manufactured in the EU, with the QR code.



New label



Old label

The new classification must be marked on the unit packagings with the label, and in catalogs and product data sheets with the symbol below.



# Lighting selection guide

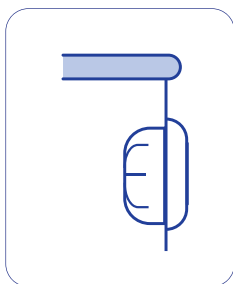
## LumiPlus WHITE LIGHT AC projectors

Lumiplus **white light AC** projectors are **12Vac**.

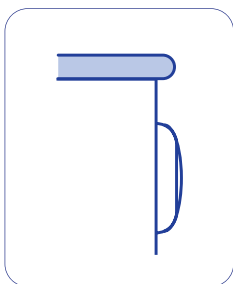
To complete the installation of these projectors it is needed to choose the support, that is the niche, inlet, or corresponding fixation. You will find them in page 441

	POOL BASIN							STAIRS		
	LumiPlus V2				LumiPlus V1			LumiPlus V2	LumiPlus V1	Micro
	FlexiNiche	FlexiSlim	FlexiRapid	Design	FlexiNiche	FlexiSlim	FlexiRapid	FlexiMini V2	FlexiMini V1	Micro
Type of installation										
Luminous flux	4 320 lm	4 320 lm	4 320 lm	4 320 lm	1 485 lm	1 485 lm	1 485 lm	900 lm	450 lm	315 lm
Consumption	32 W (42VA)	32 W (42VA)	32 W (42VA)	32 W (35VA)	14,5 W (20VA)	14,5 W (20VA)	14,5 W (20VA)	7,2 W (10,5 VA)	3,5 W (6VA)	4 W (6VA)
Energy efficiency										
Light color temperature										
Decorative ring color	White Beige Grey Anthracite S. steel	White Beige Grey Anthracite	White Beige Grey Anthracite	White S. Steel Effect	White Beige Grey Anthracite S. steel	White Beige Grey Anthracite	White Beige Grey Anthracite	White Beige Grey Anthracite S. steel	White Beige Grey Anthracite S. steel	White S. steel
Lighting area	 25m <sup>2</sup> x projector				 20m <sup>2</sup> x projector			 FlexiMini V2 12m <sup>2</sup>	 FlexiMini V1 6m <sup>2</sup>	 Micro 5m <sup>2</sup>

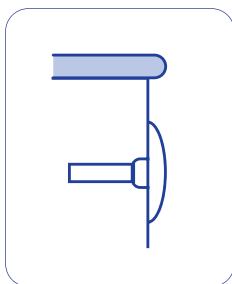
### Types of installation guide:



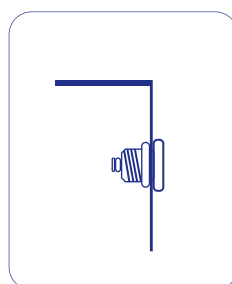
Niche



Surface mounted



Nozzle or Pipe



SPA

# Lighting selection guide








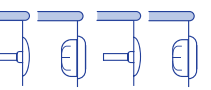









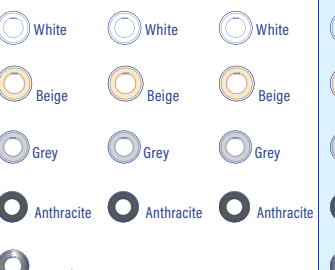

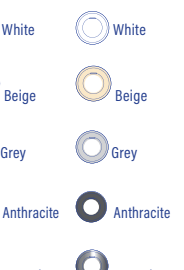
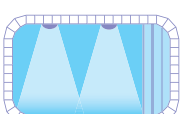
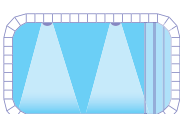
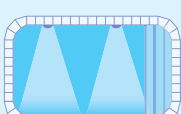

## LumiPlus HIGH EFFICIENCY WHITE LIGHT DC projectors

Lumiplus white light DC projectors are 24Vac.

Advantages of DC vs AC projectors:

- High energy efficiency
- Includes power pack
- Voltage drop reduction, the section of the electrical cable can be smaller than the AC projectors
- Supplied power pack protects projectors from power surges

To complete the installation of these projectors it is needed to choose the support, that is the niche, inlet, or corresponding fixation. You will find them in page 441.

	POOL BASIN									STAIRS	
	LumiPlus V2			LumiPlus V1			LumiPlus V1 Max. Efficiency			LumiPlus FlexiMini	
											
	FlexiNiche	FlexiSlim	FlexiRapid	FlexiNiche	FlexiSlim	FlexiRapid	FlexiNiche	FlexiSlim	FlexiRapid	FlexiMini V2	FlexiMini V1
Type of installation											
Luminous flux	4 320 lm	4 320 lm	4 320 lm	1 485 lm	1 485 lm	1 485 lm	1 485 lm	1 485 lm	1 485 lm	900 lm	450 lm
Consumption	32 W (32VA)	32 W (32VA)	32 W (32VA)	14 W (14VA)	14 W (14VA)	14 W (14VA)	8,7 W (8,7VA)	8,7 W (8,7VA)	8,7 W (8,7VA)	6,8 W (6,8 VA)	3 W (3VA)
Energy efficiency											
Light color temperature											
Decorative ring color											
Lighting area	 25m <sup>2</sup> x projector			 20m <sup>2</sup> x projector			 20m <sup>2</sup> x projector			 FlexiMini V2 12m <sup>2</sup> FlexiMini V1 6m <sup>2</sup>	







































































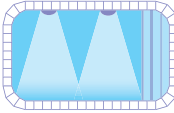
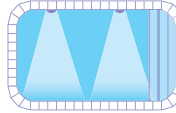
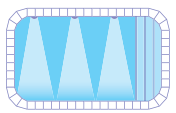
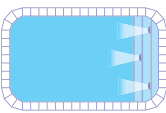
# Lighting selection guide

## LumiPlus RGB LIGHTS projectors

Lumiplus RGB light AC projectors are 12Vac.

To complete the installation of these projectors it is needed to choose the support, that is the niche, inlet, or corresponding fixation. You will find them in page 441.

On page 431 you will find various control systems to be able to change the color, color sequence, automatic shutdown, etc, of any projector that is mentioned below.

	POOL BASIN							STAIRS		
	LumiPlus V2				LumiPlus V1			LumiPlus FlexiMini & Micro		
										
	FlexiNiche	FlexiSlim	FlexiRapid	Design	FlexiNiche	FlexiSlim	FlexiRapid	FlexiMini V2	FlexiMini V1	Micro
Type of installation										
Luminous flux	2 544 lm	2 544 lm	2 544 lm	2 544 lm	1 100 lm	1 100 lm	1 100 lm	600 lm	300 lm	186 lm
Consumption	43 W (54VA)	43 W (54VA)	43 W (54VA)	32 W (42VA)	22 W (29VA)	22 W (29VA)	22 W (29VA)	8 W (11,5 VA)	3,8 W (6,5VA)	4 W (7VA)
Energy efficiency										
Decorative ring color	 White  Beige  Grey  Anthracite  S. steel	 White  Beige  Grey  Anthracite	 White  Beige  Grey  Anthracite	 White  Efecto inox	 White  Beige  Grey  Anthracite  S. steel	 White  Beige  Grey  Anthracite	 White  Beige  Grey  Anthracite	 White  Beige  Grey  Anthracite  S. steel	 White  Beige  Grey  Anthracite  S. steel	 White  S. steel
Lighting area	 20m <sup>2</sup> x projector				 15 m <sup>2</sup> x projector			 FlexiMini V2 8m <sup>2</sup>	 FlexiMini V1 4m <sup>2</sup> Micro 3m <sup>2</sup>	





**AstralPool LumiPlus** is the most extensive family in the market of underwater spotlights for public, commercial and residential pools.

The entire LumiPlus range is made of high-quality LEDs and electronic components, and is manufactured entirely in the EU to European quality standards.

The AstralPool LumiPlus family delivers:

- Greater energy efficiency.
- High performance projectors with top quality lighting (TQL) technology.
- Enhanced energy efficiency in pools thanks to the use of LumiPlus DC lamps and projectors run from a direct current power source (24 V DC).
- Great control over the range with the inclusion of the Internet of Pools (IoP) concept by Fluidra Connect.
- IP68 protection rating.
- L70 50000 hours lifespan.



PROJECTOR

# LumiPlus Flexi & FlexiMini

## The LED solution that adapts to every type of pool

The LumiPlus projectors, Flexi & FlexiMini, are characterised by their more stylish finish and their great adaptability to any type of new-build or existing pool, whether a liner or concrete pool, that can be fitted to niches on the surface or in bushings.

**“AstralPool’s LumiPlus Flexi & FlexiMini system  
delivers top flexibility”**



Flexi



Flexi Mini

\*For Flexi code 71236, and FlexiMini codes 74401 and 74401WW





# PROJECTOR

# LumiPlus Flexi

## The LED solution that adapts to all types of pool



The family of LumiPlus Flexi spotlights – FlexiNiche, FlexiSlim and FlexiRapid – is characterized by its great adaptability to any type of new-build or existing pool, whether a liner or concrete pool, that can be fitted to niches, on the surface or in bushings. The LumiPlus Flexi system delivers top flexibility.

Its configuration is carried out in two steps in new pools. You need to choose:

1. The color of the light.
2. The faceplate color that best matches your pool, between white, beige, Light grey, anthracite grey and stainless steel (this one only for the FlexiNiche version).

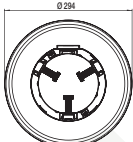
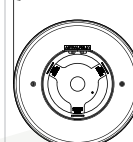
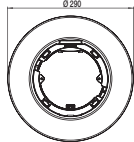
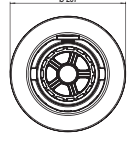
The FlexiNiche version with his unique system of screws can adapt to any niche from diameter 180 up to 230 mm.

FlexiSlim version is compatible with the brackets for Flat, Extraflat and Slim Projectors by AstralPool.

FlexiRapid is compatible with any bushing with 1½" internal thread.

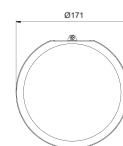


### Dimensions

LumiPlus FlexiNiche		LumiPlus FlexiSlim	LumiPlus FlexiRapid
Niche Ø 180-230 mm		Walls	Inlets
ABS	Full stainless steel		
			

### Dimensions




#### Spotlight LumiPlus Flexi



### How to install them?



### Spotlight features

	Codes	Color of lamp	Consumption	Color temperature	Control system	Efficiency
<b>V1</b> WHITE : 1485 lm RGB : 1100 lm AC - 12V AC / DC - 24V DC	71200	White AC	14.5 W (20VA)	5 700K	ON / OFF	
	71200WW	Warm White AC	14.5 W (20VA)	3 000K	ON / OFF	
	71201	White DC	14 W	5 700K	ON / OFF	
	71201WW	Warm White DC	14 W	3 000K	ON / OFF	
	<b>71236</b>	<b>White DC high efficiency</b>	<b>8.7 W</b>	<b>5 700K</b>	<b>ON / OFF</b>	
	71203	RGB AC	22 W (29 VA)	-	LumiPlus ECO / LumiPlus Top / Fluidra Connect / WIFI LED App	
<b>V2</b> WHITE : 4320 lm RGB : 2544 lm AC - 12V AC / DC - 24V DC	71205	RGB WIR AC	22 W (29 VA)	-	Wireless Control Motion	
	71233	White AC	32W (42VA)	5 700K	ON / OFF	
	71233WW	Warm White AC	32W (42VA)	3 000K	ON / OFF	
	71202	White DC	32 W	5 700K	ON / OFF	
	71202WW	Warm White DC	32 W	3 000K	ON / OFF	
	71204	RGB AC	43W (54VA)	-	LumiPlus ECO / LumiPlus Top / Fluidra Connect / WIFI LED App	
	71208	DMX RGB AC	43W (54VA)	-	LumiPlus RGB DMX	

(1) Sea water-proof. ABS versions. (2) For code 71236

AC - Alternating current. DC - Direct current. DC versions are delivered with power pack.



The models with RGB light are compatible with Fluidra Connect.



# LumiPlus Flexi projectors

## Components required to install a LumiPlus Flexi



Choose amongst the components according to your requirements:

- New-build pools
- Replacement without changing niche

LumiPlus Flexi is made up of 2 components

1





Spotlight

2



Decorative ring




The 2 components are required for the proper installation.


1 Spotlight		Code	Code
		V1	V2
	White AC LumiPlus Flexi spotlight	71200	71233
	Warm White AC LumiPlus Flexi spotlight	71200WW	71233WW
	White DC LumiPlus Flexi spotlight	71201	71202
	Warm White DC LumiPlus Flexi spotlight	71201WW	71202WW
	White DC LumiPlus Flexi spotlight High Efficiency	71236	
	RGB AC LumiPlus Flexi spotlight <sup>(1)</sup>	71203	71204
	Wireless AC LumiPlus Flexi spotlight <sup>(2)</sup>	71205	
	Wireless AC 1 PL LumiPlus Flexi spotlight + 1 Control Motion <sup>(2)</sup>	71206	
	Wireless AC 2 PL LumiPlus Flexi spotlight + 1 Control Motion <sup>(2)</sup>	71207	
	RGB DMX AC LumiPlus Flexi spotlight <sup>(1)</sup>		71208

All spotlights come with a 2.5 m power cable. Power cables of 5 m, 10 m and 15 m available on request.



(1) Choose the most suitable control system (see control systems section).

(2) Compatible with ABS trim solutions.

2 Decorative ring with fitting		Code
	<b>FLEXINICHE decorative ring for installing in niches</b>	
	White	71209
	Beige	71209CL090
	Light Grey	71209CL129
	Anthraccite grey	71209CL144
	Stainless steel AISI 316-L embellisher with ABS body	71209CLSS
	Full Stainless Steel AISI 316-L	73440
	<b>FLEXISLIM decorative ring for installing in wall</b>	
	White	71210
	Beige	71210CL090
	Light Grey	71210CL129
	Anthraccite grey	71210CL144
	<b>FLEXIRAPID decorative ring for installing in nozzles</b>	
	White	71211
	Beige	71211CL090
	Light Grey	71211CL129
	Anthraccite grey	71211CL144

KITS : DECORATIVE RING + SPOTLIGHT	Code	Code
	White AC	White DC
 FlexiNiche: White decorative ring + white spotlight	71212	71213
FlexiSlim: White decorative ring + white spotlight	71214	71215
FlexiRapid: White decorative ring + white spotlight	71216	71217
FlexiNiche : Full SS Projector body + white spotlight	73442	73441

AC - Alternating current DC - Direct current

Installation		Code	Code
	<b>Niches (*)</b>	<b>Niche Ø180</b>	<b>Niche Ø230</b>
	Niche in ABS for concrete pools	59813	00349
	Niche S.S. for concrete pools /prefabricated pools		54102 / 54103
	Niche in ABS for prefabricated pools with inserts	59814	00364 / 17805
	Niche in ABS for prefabricated pools without inserts	59815	28887 / 72261
	Niche in ABS for panel pools with inserts / without inserts		23671 / 23670
	<b>Inlet</b>		
	Inlet for concrete pools with 1 1/2" threaded Ø63 PN-6 piping		35418
	Inlet for concrete pools with 1 1/2" threaded Ø63 PN-10 piping		35421
	Inlet for liner prefabricated pools with 1 1/2" thread		27084
	Inlet for polyester prefabricated pools		74179

Other Ø230 and Ø180 niches also available (see catalogue).

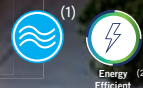
For FlexiSlim version installed in concrete + liner pools, Kit 71234 should be used to complete installation (not delivered with).

\* Suitable to use ABS niches with Flexi ABS decorative ring.

# PROJECTOR

# LumiPlus FlexiMini

Compact design.  
Maxi customization.



The LumiPlus Flexi Mini projector is an underwater projector with reduced dimensions that stands out for its ease and flexibility of installation, being compatible with the Mini V2 and V3 niches, 1 1/2" internal thread nozzles, 63mm or 2" cable glands, pipes D63 PN6 and PN10 or D50 PN10 pipes. Its configuration is carried out in two steps in new pools. You need to choose :

1- The spotlight

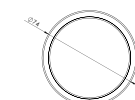
2- One of the 4 models of decorative ring: niche; nozzle L; nozzle S; or, for pipe or wall bushings.

The decorative ring can be made of ABS in a white, light gray, anthracite gray or beige finish; or AISI- 316L stainless steel.

The point of light is available in two powers, V1 for lighting stairs and V2 for lighting the basin, and you can choose between white, warm white and RGB multicolor light. The RGB versions are compatible with ECO, TOP, Wireless, LumiPlus LED App, ModBUS (Connect) and DMX controls (see page 432-433).

## Dimensions

### Spotlight FlexiMini



## Dimensions

LumiPlus FlexiMini Niche	LumiPlus FlexiMini Nozzles L		LumiPlus FlexiMini Nozzles S		LumiPlus FlexiMini pipes / wall conduits
Niche	Nozzle L 2"	Nozzle L 1" 1/2	Nozzle S 2"	Nozzle S 1" 1/2	Pipe Ø50 PN6 / P10 Wall conduit 2" / 1 1/2"
Compatible with niches 06967; 00369; 49828	Compatible with nozzles Ømax. 116 mm and depth between 0 and 10 mm		Compatible with nozzles Ømax. 91 mm and depth between 7 and 9 mm		

1 Choose the spotlight:



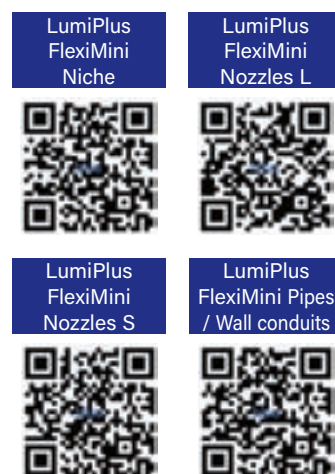
2 Choose the decorative ring:



Result

 White Warm White RGB <b>V1</b> White / Warm White AC White / Warm White DC RGB / RGB Wireless AC <b>V2</b> White / Warm White AC White / Warm White DC RGB AC DMX	FlexiMini Niche	FlexiMini Niche
	FlexiMini L	FlexiMini L
	FlexiMini S	FlexiMini S
	FlexiMini Pipe	FlexiMini Pipe

## How to install them?



## Spotlight features

	Codes	Color of lamp	Consumption	Color temperature	Control system	Efficiency
Pool stairs FlexiMini V1 WHITE : 450 lm RGB : 300 lm AC - 12V AC / DC - 24V DC	74400	White AC	3.5 W	5 700K	ON / OFF	D
	74400WW	Warm White AC	3.5 W	3 000K	ON / OFF	D
	74401	White DC	3 W	5 700K	ON / OFF	C
	74401WW	Warm White DC	3 W	3 000K	ON / OFF	C
	74402	RGB	3.8 W	-	LumiPlus ECO / LumiPlus Top / Fluidra Connect / WIFI LED App	F
	74403	RGB Wireless (WIR)	4.3 W	-	** Wireless Control Motion	G
Residential pool basin and stairs FlexiMini V2 WHITE : 900 lm RGB : 600 lm AC - 12V AC / DC - 24V DC	74406	White AC	7.2 W	5 700K	ON / OFF	D
	74407	White DC	6.8 W	5 700K	ON / OFF	D
	74406WW	Warm White AC	7.2 W	3 000K	ON / OFF	D
	74407WW	Warm White DC	6.8 W	3 000K	ON / OFF	D
	74408	RGB	7.6 W	-	LumiPlus ECO / LumiPlus Top / Fluidra Connect / WIFI LED App	F
	74404	RGB Wireless (WIR)	8 W	-	** Wireless Control Motion	F
	74405	Kit 3 RGB Wireless V2 (with RC)	8 W	-	** Wireless Control Motion	F
	74409	DMX	8 W	-	LumiPlus RGB DMX	F

(1) Sea water-proof. ABS versions. (2) For codes 74401 and 74401WW  
AC - Alternating current. DC - Direct current. DC versions are delivered with power pack.  
\*\* Maximum installation depth 40cm.



The models with RGB are compatible with Fluidra Connect.

# LumiPlus FlexiMini

## Components to install a LumiPlus FlexiMini projector



The LumiPlus Flexi Mini is a solution that allows maximum flexibility in terms of colors of the lights, lumens color of the visible parts and as well of the installation method.

LumiPlus FlexiMini is a compact LED solution in line with current design trends for residential pools. It combines perfectly with LumiPlus Flexi range.

Choose amongst the components according to your requirements:

**LumiPlus FlexiMini is made up of 2 components**

1  
Spotlight

2  
Decorative ring

The 2 components are required for the proper installation.

1 Spotlight	Code
<b>1.1 - LUMIPLUS FLEXIMINI V1 - IDEAL FOR STAIRS</b>	
	White AC 74400
	Warm White AC 74400WW
	White DC 74401
	Warm White DC 74401WW
	RGB 74402
	RGB Wireless (WIR) 74403
<b>1.2 - LUMIPLUS FLEXIMINI V2 - IDEAL FOR RESIDENTIAL POOL</b>	
	White AC 74406
	Warm White AC 74406WW
	White DC 74407
	Warm White DC 74407WW
	RGB 74408
	RGB Wireless (WIR) 74404
	Kit 3 RGB Wireless V2 + 1 Control Motion 74405
	DMX 74409

Note: 2.5 m cable included

2 LumiPlus FlexiMini Decorative ring with fitting (Delivered with installation accessories)	Code
<b>2.1 - FLEXIMINI NICHE decorative ring for installing in mini niches</b>	
	Decorative ring for Mini Niche in ABS color White 74392
	Decorative ring for Mini Niche in ABS color Beige 74392CL090
	Decorative ring for Mini Niche in ABS color Light grey 74392CL129
	Decorative ring for Mini Niche in ABS color Anthracite 74392CL144
	Decorative ring for Mini Niche in Stainless Steel A316-L with ABS body 74392CLSS
<b>2.2 - FLEXIMINI L decorative ring for installing in nozzles L (large)</b>	
	Decorative ring for nozzle L in ABS color White 74393
	Decorative ring for nozzle L in ABS color Beige 74393CL090
	Decorative ring for nozzle L in ABS color Light grey 74393CL129
	Decorative ring for nozzle L in ABS color Anthracite 74393CL144
	Decorative ring for nozzle L in Stainless Steel A316-L with ABS body 74393CLSS
<b>2.3 - FLEXIMINI S decorative ring for installing in nozzles S (small)</b>	
	Decorative ring for nozzle S in ABS color White 74394
	Decorative ring for nozzle S in ABS color Beige 74394CL090
	Decorative ring for nozzle S in ABS color Light grey 74394CL129
	Decorative ring for nozzle S in ABS color Anthracite 74394CL144
	Decorative ring for nozzle S in Stainless Steel A316-L with ABS body 74394CLSS
<b>2.4 - FLEXIMINI PIPE decorative ring for installing in pipes</b>	
	Decorative ring for pipe in ABS color White 74395
	Decorative ring for pipe in ABS color Beige 74395CL090
	Decorative ring for pipe in ABS color Light grey 74395CL129
	Decorative ring for pipe in ABS color Anthracite 74395CL144
	Decorative ring for pipe in Stainless Steel A316-L with ABS body 74395CLSS

### Installation supports per type of pool that combines with the decorative rings

Type of pool	2.1 Faceplate for niches	2.2 - Faceplate for nozzles L	2.3 - Faceplate for nozzles S	2.4 - Faceplate for Pipe
Concrete	06967	00300	35418	15661
Concrete + liner	00369	59983	06544	-
Panels	49828	00332	27084	-
Polyester	00369	00336	74179	-

Installation accessories can be found in Pool shell equipment chapter on within lights chapter, Niches subchapter.

# Projector Design



## DESCRIPTION

The LumiPlus Design projector is a high power underwater projector that can be installed in 180mm diameter niches.

The decorative ring is available in Stainless Steel effect and Pure White finishes.

The light can be white, warm white, and RGB multi-color. The RGB versions are compatible with ECO, TOP, Wireless, LumiPlus LED App, ModBUS (Connect) and DMX controls (see codes in page 432-433).

LumiPlus monocolour white light lamps and projectors are also available in Warm White.

## TECHNICAL FEATURES

### Projector Design

Light Color		White	Stainless steel effect	Consumption	Luminous flux
	White	59807	59805	32W (35VA)	4320 lm
	Warm White	59807WW	59805WW	32W (35VA)	4320 lm
	RGB	59803	59801	32W (42VA)	2544 lm
	RGB DMX	59811	59809	32W (42VA)	2544 lm

Rated voltage: 12V AC. IPX8 protection. Includes 2.5 m H07RN-F 2x1.5 mm<sup>2</sup> cable.

Adaptor kit available for other niche types from diameter 180 to 190 mm. Code: 59818. It must always be installed underwater.

# Niches for projector Design



## TECHNICAL FEATURES

### Niches

Concrete pool	Prefabricated pools		Fixing kit for other niches
	With inserts	Without inserts	
59813	59814	59815	59818*

\*Compatible with the majority of niches from Ø180 to Ø190 mm on the market (Hugo Lahme, MTS Productksts, Wibre...).



# LumiPlus MICRO projectors



**Snap-in MICRO projectors**








## DESCRIPTION

The Micro LED projector is the smallest model in the range, ideal for lighting a pool's steps and/or corners. It is available in cool white, warm white and RGB multicolor light. The multicolor versions are compatible with the ECO, TOP, LumiPlus LED app, ModBUS (Connect) and DMX controllers (see codes). There is a choice between various types of faceplate: ABS or AISI 316 stainless steel.

It is fitted to concrete pools using D 50 PN 10 piping or D 63 PN6 y D 63 PN10 piping if accessories 38818 or 38819 are used.

## TECHNICAL FEATURES

### Snap-in MICRO projector

Light Color			Type of decorative ring		Consumption	Luminous flux
			White	S.S.		
	White		38814	38816	4W (6VA)	315 lm
	RGB 		64552	64553	4W (7VA)	186 lm
	RGB DMX		64557	64558	4W (4VA)	186 lm

Rated Voltage: 12V AC (RGB & White) 24V DC (RGB-DMX). IPX8 protection. Includes 2.5 m H07RN-F 2x1.5 mm<sup>2</sup> cable.

# LumiPlus lamps for PAR56 V1 projectors



DC PAR56 V1 lamp



## DESCRIPTION

The RGB model is compatible with LumiPlus ECO, LumiPlus Top, LumiPlus LED APP and LumiPlus Modbus controls.

### How to

replace a PAR 56 lamp?



## TECHNICAL FEATURES

### DC PAR56 V1 lamp

Light Color	Code	Consumption	Luminous flux
White	67515	14W	1485 lm
Warm white	67515WW		

Rated voltage: 24V DC. Protection rating: IPX8. Includes 220V AC - 24 V DC power pack. Does not work with 220 V AC-12 V AC electromagnetic transformers. It must always be installed underwater.

### PAR56 V1 lamp

Light Color	Code	Consumption	Luminous flux
White	52596	14.5W (20VA)	1485 lm
Warm white	52596WW		
RGB	56001	22W (29VA)	1100 lm

Rated Voltage: 12V AC. Protection: IPX8. It must always be installed underwater.

### Wireless PAR56 V1 lamp

	1 lamp + 1 Control Motion	2 lamps + 1 Control Motion	1 lamp RGB 1.1i Wireless	Consumption per lamp	Luminous flux per lamp
	59126	59127	59124	22W (29VA)	1100 lm

Rated voltage: 12V AC. Protection rating: IPX8. It must always be installed underwater. The LumiPlus Control Motion is not waterproof. Seawater-proof

# LumiPlus lamps for PAR56 V2 projectors



DC PAR56 V2 lamp



## DESCRIPTION

The RGB model is compatible with LumiPlus ECO, LumiPlus Top, LumiPlus LED APP and LumiPlus Modbus controls. The RGB DMX model requires the LumiPlus DMX 41107 modulator.

## TECHNICAL FEATURES

### DC PAR56 V2 lamp

Light Color	Code	Consumption	Luminous flux
White	67516	32W (32VA)	4320 lm
Warm white	67516WW		

Rated voltage: 24 V DC. Protection rating: IPX8. Includes 220V AC - 24 V DC power pack. Does not work with 220 V AC-12 V AC electromagnetic transformers. It must always be installed underwater.

### PAR56 V2 lamp

Light Color	Code	Consumption	Luminous flux
RGB	43411	48W (64VA)	2544 lm
RGB DMX	45637	48W (64VA)	2544 lm

Rated voltage: 24 V DC. Protection rating: IPX8. It must always be installed underwater.



# LUMIPLUS ESSENTIAL



A COMPLETE RANGE OF LEDs.  
ALL YOU NEED TO LIGHT A POOL.

Like the rest of LumiPlus products, **AstralPool LumiPlus Essential** is made of high-quality LEDs and electronic components, and is manufactured entirely in the EU to European quality standards.

The AstralPool LumiPlus family delivers:

- Greater energy efficiency.
- High performance projectors with top quality lighting (TQL) technology.
- Enhanced energy efficiency in pools thanks to the use of LumiPlus lamps and projectors.
- IP68 protection rating.



## THE RANGE







# LumiPlus Essential






## Lamps - PAR 56

### TECHNICAL FEATURES






#### Lamp PAR56

Description	Light Color		Code	Consumption	Luminous flux
	White		73761	14.5 W (20 VA)	1485 lm
	Rated voltage: 12V DC. IP68. Cable not included. Must always be installed submerged in water.				
	RGB		75767	22 W (29 VA)	1100 lm
	Rated voltage: 12V DC. IP68. Cable not included. Must always be installed submerged in water. Can be only controlled by a normally closed push button. Not RC 900 or 1100 compatible.				

#### Remote controlled RGB (900 lm)

Description	Light Color		Code	Consumption	Luminous flux
	RGB		75766	15 W (23 VA)	900 lm
	Rated voltage: 12V DC. IP68. Cable not included. Must always be installed submerged in water. Works with remote control code 75775 (included).				
	RGB		75774	15 W (23 VA)	900 lm
	Rated voltage: 12V DC. IP68. Cable not included. Must always be installed submerged in water. Works with remote control code 75775 (not included).				
LumiPlus Essential PAR56 RC 900	RGB		75775	-	-

#### Remote controlled RGB (1100 lm)





Description	Light Color		Code	Consumption	Luminous flux
	RGB		75771	22 W (29 VA)	1100 lm
	Rated voltage: 12V DC. IP68. Cable not included. Must always be installed submerged in water. Works with remote control code 75773 (included).				
	RGB		75772	22 W (29 VA)	1100 lm
	Rated voltage: 12V DC. IP68. Cable not included. Must always be installed submerged in water. Works with remote control code 75773 (not included).				
LumiPlus Essential PAR56 RC 1100	RGB		75773	-	-

# LumiPlus Essential






## Standard projector PAR 56

### TECHNICAL FEATURES






#### Projector PAR56

Description	Light Color		Code	Consumption	Luminous flux
	White		70870	14.5 W (20 VA)	1485 lm
	Rated voltage: 12V DC. IP68. Must always be installed submerged in water.				
	RGB		75435	22 W (29 VA)	1100 lm
	Rated voltage: 12V DC. IP68. Must always be installed submerged in water. Can be only controlled by a normally closed push button. Not RC 900 or 1100 compatible				

#### Remote controlled RGB (900 lm)

Description	Light Color		Code	Consumption	Luminous flux
	RGB		75434	15 W (23 VA)	900 lm
	Rated voltage: 12V DC. IP68. Must always be installed submerged in water. Works with remote control code 75775 (included).				
	RGB		75776	15 W (23 VA)	900 lm
	Rated voltage: 12V DC. IP68. Must always be installed submerged in water. Works with remote control code 75775 (not included).				
LumiPlus Essential PAR56 RC 900	RGB		75775	-	-

#### Remote controlled RGB (1100 lm)

Description	Light Color		Code	Consumption	Luminous flux
	RGB		75777	22 W (29 VA)	1100 lm
	Rated voltage: 12V DC. IP68. Must always be installed submerged in water. Works with remote control code 75773 (included).				
	RGB		75778	22 W (29 VA)	1100 lm
	Rated voltage: 12V DC. IP68. Must always be installed submerged in water. Works with remote control code 75773 (not included).				
LumiPlus Essential PAR56 RC 1100	RGB		75773	-	-







# LumiPlus Essential

Kit for concrete pool

## TECHNICAL FEATURES

### Kit for concrete pool PAR 56

Description	Light Color		Code	Consumption	Luminous flux
 LumiPlus Essential PAR56 White LED Kit for concrete pools	White		66828	14.5 W (20 VA)	1485 lm
	Rated voltage: 12V DC. IP68. Must always be installed submerged in water.				
 LumiPlus Essential PAR56 RGB LED Kit for concrete pools	RGB		75437	22 W (29 VA)	1100 lm
	Rated voltage: 12V DC. IP68. Must always be installed submerged in water. Can be only controlled by a normally closed push button. Not RC 900 or 1100 compatible.				

### Remote controlled RGB (900 lm)

Description	Light Color		Code	Consumption	Luminous flux
 LumiPlus Essential PAR56 RGB LED Kit for concrete pools + RC 900	RGB		74558	15 W (23 VA)	900 lm
	Rated voltage: 12V DC. IP68. Must always be installed submerged in water. Works with remote control code 75775 (included).				
 LumiPlus Essential PAR56 RGB LED Kit for concrete pools	RGB		75780	15 W (23 VA)	900 lm
	Rated voltage: 12V DC. IP68. Must always be installed submerged in water. Works with remote control code 75775 (not included).				
LumiPlus Essential PAR56 RC 900	RGB		75775	-	-

### Remote controlled RGB (1100 lm)





Description	Light Color		Code	Consumption	Luminous flux
 LumiPlus Essential PAR56 RGB LED Kit for concrete pools + RC 1100	RGB		75781	22 W (29 VA)	1100 lm
	Rated voltage: 12V DC. IP68. Must always be installed submerged in water. Works with remote control code 75773 (included).				
 LumiPlus Essential PAR56 RGB LED Kit for concrete pools	RGB		75782	22 W (29 VA)	1100 lm
	Rated voltage: 12V DC. IP68. Must always be installed submerged in water. Works with remote control code 75773 (not included).				
LumiPlus Essential PAR56 RC 1100	RGB		75773	-	-

# LumiPlus Essential


Kit for prefabricated pool

## TECHNICAL FEATURES






### Kit for concrete pool PAR 56

Description	Light Color		Code	Consumption	Luminous flux
 LumiPlus Essential PAR56 White LED Kit for prefabricated pools	White		70528	14.5 W (20 VA)	1485 lm
	Rated voltage: 12V DC. IP68. Must always be installed submerged in water.				
 LumiPlus Essential PAR56 RGB LED Kit for prefabricated pools	RGB		75440	22 W (29 VA)	1100 lm
	Rated voltage: 12V DC. IP68. Must always be installed submerged in water. Can be only controlled by a normally closed push button. Not RC 900 or 1100 compatible.				

### Remote controlled RGB (900 lm)

Description	Light Color		Code	Consumption	Luminous flux
 LumiPlus Essential PAR56 RGB LED Kit for prefabricated pools + RC 900	RGB		75439	15 W (23 VA)	900 lm
	Rated voltage: 12V DC. IP68. Must always be installed submerged in water. Works with remote control code 75775 (included).				
 LumiPlus Essential PAR56 RGB LED Kit for prefabricated pools	RGB		75783	15 W (23 VA)	900 lm
	Rated voltage: 12V DC. IP68. Must always be installed submerged in water. Works with remote control code 75775 (not included).				
LumiPlus Essential PAR56 RC 900	RGB		75775	-	-

### Remote controlled RGB (1100 lm)

Description	Light Color		Code	Consumption	Luminous flux
 LumiPlus Essential PAR56 RGB LED Kit for prefabricated pools + RC 1100	RGB		75784	22 W (29 VA)	1100 lm
	Rated voltage: 12V DC. IP68. Must always be installed submerged in water. Works with remote control code 75773 (included).				
 LumiPlus Essential PAR56 RGB LED Kit for prefabricated pools	RGB		75785	22 W (29 VA)	1100 lm
	Rated voltage: 12V DC. IP68. Must always be installed submerged in water. Works with remote control code 75773 (not included).				
LumiPlus Essential PAR56 RC 1100	RGB		75773	-	-




# LumiPlus Essential

## Flat projector

### TECHNICAL FEATURES

#### Flat projector PAR56

Description	Light Color	Code	Consumption	Luminous flux
 LumiPlus Essential White LED Flat projector Rated voltage: 12V DC. IP68. Must always be installed submerged in water.	White	75821	14.5 W (20 VA)	1485 lm
	RGB	75824	22 W (29 VA)	1 100 lm
LumiPlus Essential RGB LED Flat projector Rated voltage: 12V DC. IP68. Must always be installed submerged in water. Can be only controlled by a normally closed push button. Not RC 900 or 1100 compatible				

#### Remote controlled RGB (900 lm)




















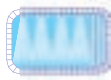
Description	Light Color	Code	Consumption	Luminous flux
 LumiPlus Essential RGB LED Flat projector + RC 900 Rated voltage: 12V DC. IP68. Must always be installed submerged in water. Works with remote control code 75775 (included).	RGB	75822	15 W (23 VA)	900 lm
	RGB	75823	15 W (23 VA)	900 lm
LumiPlus Essential RGB LED Flat projector Rated voltage: 12V DC. IP68. Must always be installed submerged in water. Works with remote control code 75775 (not included).				
LumiPlus Essential RC 900	RGB	75775	-	-

#### Remote controlled RGB (1100 lm)

Description	Light Color	Code	Consumption	Luminous flux
 LumiPlus Essential RGB LED Flat projector + RC 1100 Rated voltage: 12V DC. IP68. Must always be installed submerged in water. Works with remote control code 75773 (included).	RGB	75825	22 W (29 VA)	1 100 lm
	RGB	75826	22 W (29 VA)	1 100 lm
LumiPlus Essential RGB LED Flat projector Rated voltage: 12V DC. IP68. Must always be installed submerged in water. Works with remote control code 75773 (not included).				
LumiPlus Essential RC 1100	RGB	75773	-	-

# Lighting selection guide

## LumiPlus projectors FOR SPAS

	SPAs			
	White light		RGB light	
				
	Micro	Mini V2	Micro	Mini V2
Type of installation				
Luminous flux	315 lm	315 lm	186 lm	186 lm
Power	4 W (6VA)	4 W (6VA)	4 W (7VA)	4 W (7VA)
Energy efficiency				
Light color temperature				
Decorative ring color				
Lighting area	 5m²x projector		 3m²x projector	

# LumiPlus projectors for SPA



Snap-in MINI V2 projectors



## DESCRIPTION

Projectors may be installed both in and out of the water. The RGB model is compatible with LumiPlus ECO, LumiPlus Top, LumiPlus LED APP and LumiPlus Modbus controls. The RGB DMX model requires the LumiPlus DMX 52142 controller (see page 432-433).

LumiPlus monocolour white light lamps and projectors are also available in Warm White.

### MINI V2 projector for SPA

Light Color			Type of decorative ring		Consumption	Luminous flux
			White	S.S.		
	White		52132	52133	4W (6VA)	315 lm
	Warm White		52132WW	52133WW	4W (6VA)	315 lm
	RGB		52126	52127	4W (7VA)	186 lm
	RGB DMX		52138	52139	4W (4VA)	186 lm

Rated Voltage: 12V AC (RGB & White) 24V DC (RGB-DMX). IPX8 protection. Includes 2.5 m H07RN-F 2x1.5 mm<sup>2</sup> cable. Fastened between a threaded bolt and 2" nut.

### Color front plates for MINI V2 projectors

		Beige	Light grey	Anthracite
	Color front plate for MINI V2 projector for SPA	08554-0500CL090	08554-0500CL129	08554-0500CL144

### MICRO projector for SPA













Light Color			Type of decorative ring		Consumption	Luminous flux
			White	S.S.		
	White		40765	40766	4W (6VA)	315 lm
	Warm White		40765WW	40766WW	4W (6VA)	315 lm
	RGB		64554	64555	4W (7VA)	186 lm
	RGB DMX		64559	64560	4W (4VA)	186 lm

Rated Voltage: 12V AC (RGB & White) 24V DC (RGB-DMX). IPX8 protection. Includes 2.5 m H07RN-F 2x1.5 mm<sup>2</sup> cable. Fastened between a threaded bolt and 2" nut.







# Selection guide

## LumiPlus RGB control systems

	LumiPlus ECO	LumiPlus Wireless Control Motion	LumiPlus Wireless Range Extender	LumiPlus TOP	LumiPlus WIFI Access Point +	LumiPlus Modbus CONNECT	LumiPlus DMX	
CONTROL	User interface							
	Control system		N/A					
LumiPlus RGB V1 (Flexi V1 and PAR56 V1)	✓ Max 14 projectors	-	-	✓ Max 22 projectors	✓ Max 22 projectors	✓ Max 22 projectors	-	-
LumiPlus RGB V2 (Flexi V2, Design, PAR56 V2)	✓ Max 10 projectors	-	-	✓ Max 12 projectors	✓ Max 12 projectors	✓ Max 12 projectors	-	-
LumiPlus RGB Flexi Mini	✓ Max 35 projectors	-	-	✓ Max 50 projectors	✓ Max 50 projectors	✓ Max 50 projectors	-	-
LumiPlus RGB DMX (Flexi V2, FlexiMini, Design, PAR56 V2)	-	-	-	-	-	-	✓ Limited by the transformer's power output	-
LumiPlus RGB DMX (Micro, Mini SPA)	-	-	-	-	-	-	-	✓ Max 9 projectors for 52142
LumiPlus RGB Wireless (Flexi and PAR56)	✓ Max 14 projectors	✓ Max 2 projectors*	✓ Max 3 projectors*	✓ Max 22 projectors	✓ Max 22 projectors	✓ Max 22 projectors	-	-
LumiPlus RGB Wireless (FlexiMini)	✓ Max 35 projectors	✓ Max 3 projectors*	✓ Max 9 projectors*	✓ Max 50 projectors	✓ Max 50 projectors	✓ Max 50 projectors	-	-








\* Compatible with projectors and lamps with Lumiplus Wireless.  
Maximum installation depth 0.40m.  
Range limited to 5 meters

# Control systems

System		Code		Description	Projectors
LumiPlus RGB ECO			32458	<p><b>The simplest and most economical colour change system.</b></p> <p>LumiPlus ECO is a push-button switch that allows 14 modes of operation: 7 fixed colours and 7 different colour sequences.</p> <p>Each time the push button is pressed, the colour or sequence will change. By pressing for several seconds, the light is white.</p> <p>The push button must be sized to withstand the power consumed by the number of lights in the facility.</p> <p>Maximum charge 700 VA. Must be connected in the transformer primary.</p>	Any LumiPlus RGB projector.
LumiPlus WIRELESS	LumiPlus Control Motion		59125	<p><b>Colour change CONTROL in your hand.</b></p> <p>The LumiPlus Control Motion remote control enables wireless projector control, directly offering on/off options, 12 colour changes, 8 sequence changes and sequence speed.</p> <p>It also detects movement, letting you activate colours and sequences by vertical and horizontal movements, respectively.</p> <p>Compatible with the LumiPlus Wireless range of projectors only.</p> <p>Can control 2 wireless projectors and 3 in FlexiMini</p>	Flexi (ABS body) V1 RGB Wireless PAR56 V1 RGB Wireless  * Not compatible with stainless steel FlexiNiche projectors.
	LumiPlus Wireless Range Extender		64633	<p>Allows expansion of the signal that the LumiPlus Control Motion sends to the projectors with the wireless control system.</p> <p>Ideal for facilities whose architectural features or projectors installation makes it hard for the LumiPlus Control Motion signal to reach the wireless projectors properly.</p>	
LumiPlus RGB TOP			27818 + 41988	<p><b>The LumiPlus TOP system is a professional control of the color.</b></p> <p>System comprising the 27818 modulator and 41988 remote control that enables to control a large number of projectors. The modulator has an antenna with a 50m range to receive the signal from the remote control (bought separately).</p> <p>The LumiPlus TOP system enables:</p> <p>Projector on/off action.</p> <p>Colour selection: 12 fixed colours available.</p> <p>Sequence selection: 8 sequences available.</p> <p>Sequence speed selection: 8 speeds available for each sequence.</p> <p>Supplied separately. A total of 10 LumiPlus modulators can be synchronized.</p>	Any LumiPlus RGB projector.
LumiPlus WIFI Access Point +	Existing installation		75813	<p><b>Control your pool lighting from your smartphone.</b></p> <p>Easily control your swimming pool luminaires from your smartphone with LumiPlus WiFi Access Point +.</p> <p>While wired to a LumiPlus RGB modulator (code 27818) allows the user to choose between 12 still colours, 8 colour changing sequences, 8 colour changing speeds and set an off timer to AstalPool's RGB luminaires.</p> <p>2 steps setting and ready to play:</p> <p>1) Once installed, connect LumiPlus Access Point + to a WiFi net.</p> <p>2) Download the LumiPlus LED app to control the swimming pool luminaires from any smartphone connected to the same WiFi net as the LumiPlus Access Point +.</p> <p>LumiPlus LED is available for free in Apple Store and Google Play.</p>	Any LumiPlus RGB projector
	New installation		75814		
					



# Control systems

	System		Code	Description	Projectors
LumiPlus Modbus FLUIDRA CONNECT  				<b>Control your pool lighting anywhere, anytime.</b>	
	Existing installation		57434	The Modbus protocol enables the control of the LumiPlus modulator. It can be used to switch the projectors on and off, change their colours and sequence speed and set the time for putting the projectors in sleep mode. Download the Fluidra Connect app for instant information about the state of your pool 365 days a year. Fluidra Direct is peace of mind, comfort and leisure. In addition to controlling projectors, LumiPlus lets you control the filtration, water treatment and more of your pool through the Modbus protocol.	Any LumiPlus RGB projector
	New installation		57435	The LumiPlus Modbus should only be installed as an additional feature to the LumiPlus 27818 modulator for correct installation and operation.	
LumiPlus RGB DMX				<b>Design lighting scenes for fountains and large aquatic spaces</b>	
	RGB DMX Modulator		41107	DMX LED projector modulator/12V AC DMX receiver for the Flexi, PAR56, S-LIM and Design ranges. Receiving orders from the DMX controller (Astral DMX 74099 or Astral DMX Pro 74500) via the DMX bus and acting on the projectors that are connected.	LumiPlus RGB-DMX projector
	RGB-DMX power pack		52142	Product designed exclusively for use with V2 and V3 Mini LED and RGB DMX Micro projectors. The power pack can control up to 9 projectors, receiving orders from the system's DMX controller (Astral DMX 74099 or Astral DMX Pro 74500) via the DMX bus and acting on the projectors that are connected. The power pack has been designed to be used solely with DMX protocol and 24V DC DMX controllable parts from AstralPool.	
	DMX controller		74099	LumiPlus DMX System makes it possible to control lights individually or by groups. Users will have easy and intuitive full control over a projector or group of projectors. Main advantages / benefits: Very accurate control over the lights: colour and dimming. Plug and play. Projectors can be operated independently or combined. Allows creating new light scenes.	
	DMX PRO controller		74100	LumiPlus DMX system does not require any additional wiring for projectors. Smartphone or tablet control via an app.	

## Other LED solutions:

## PAR56 projectors, PAR56 lamps and Flat projectors



PAR56 projectors



## DESCRIPTION

PAR56 underwater lamp, improves energy efficiency compared to the traditional 300 W halogen PAR56 lamps. It must always be installed completely submerged. The lamps PAR56 are directly retrofittable with halogen 300 W lamps / projectors.

Lifespan of 25000 h.

The RGB lamp is controlled by a remote control, which is included, with a 2 m range and can control 2 lamps. The White lamp does not include remote control.

To correctly light a pool it is advisable to install a light from this range every 15 m<sup>2</sup> of water surface.

Note: this recommendation applies to pools light in color with white light spotlights, but if there are RGB spotlights more should be fitted. In dark pools it is recommended to use more projectors per m<sup>2</sup>.

Projectors PAR56 needs a niche (see page 442 ) to complete the installation. Projector Flat to wall installations is delivered with the accessory to install in concrete and polyester pools. To complete the installation in panel pools needs spare part kit 24765-0500.

How to  
replace a PAR  
56 lamp?



## TECHNICAL FEATURES

## PAR56 projectors

	Light color	Embellisher	Code	Consumption	Luminous flux
	White	White	74940	11.5W (18VA)	1300 lm
		Beige	74940CL090		
		Light grey	74940CL129		
		Anthracite grey	74940CL144		
	RGB	White	71742	15 W (23 VA)	900 lm
		Beige	71742CL090		
		Light grey	71742CL129		
		Anthracite grey	71742CL144		
		White	75829		
		Beige	75829CL090		
		Light grey	75829CL129		
		Anthracite grey	75829CL144		
	-	-	-	75828	-


Must be connected to a 12VAC safety transformer. 2.5 m cable. IPX8 protection.



**Other LED solutions:****PAR56 projectors, PAR56 lamps and Flat projectors**


## TECHNICAL FEATURES

## PAR56 lamps

	Light color	Code	Consumption	Luminous flux
	White	74939	11.5W (18VA)	1300 lm
	RGB	71740	15 W (23 VA)	900 lm
		75827		
	-	75828	-	-

Must be connected to a 12VAC safety transformer. IPX8 protection.

## Flat projectors

	Light color	Code	Consumption	Luminous flux
	White	74941	11.5W (18VA)	1300 lm
	RGB	71744	15 W (23 VA)	900 lm
		75830		
	-	75828	-	-

Must be connected to a 12VAC safety transformer. 2.5 m cable. IPX8 protection.

# NL NICHELESS LED LIGHTS

## EASY-TO-INSTALL, ECO-FRIENDLY LIGHTING

Pool lighting is an essential asset for enhancing your pool.

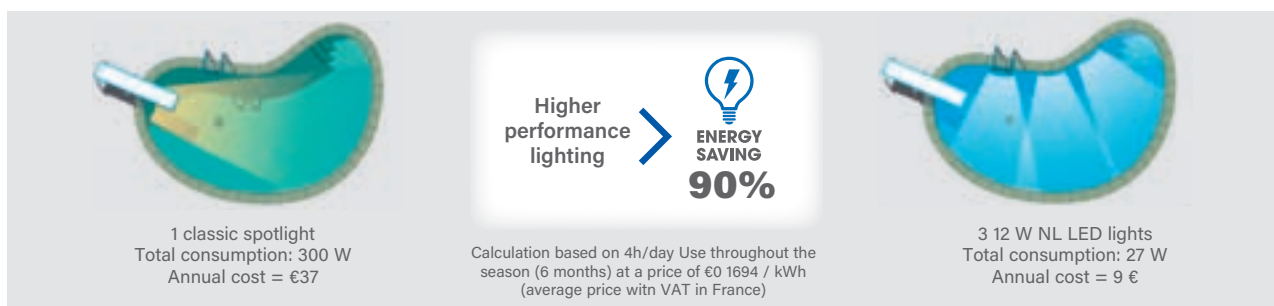
**Zodiac® NL LED lights** enable you to achieve this and they are both **energy saving** and **easy to install**.

They are installed during the construction stage and enhance all pool types, **using innovative, obstruction-free technology**.

### > LED LIGHTING: AN ENERGY-SAVING INNOVATION

**Energy efficient:** powerful lighting with an **energy saving of up to 90%** (compared to incandescent or halogen spotlights).

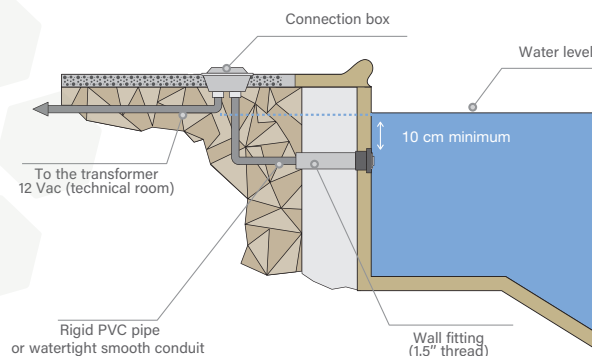
**Long lasting:** they last up to **10 times longer** than traditional incandescent light bulbs.



### > "NICHELESS" INSTALLATION: INSTALLED ANYWHERE, QUICKLY AND EASILY!

**Quickly & easily:** With Zodiac® NL LED lights, there's no need to build a niche, they slot directly into a standard 1.5" wall fitting and are compatible with all pool surfaces (liner/PVC, concrete, polyester, etc.).

**Compact:** They integrate perfectly into the pool, adding to its aesthetic appeal and are compatible with all pool cleaners (no obstructions jutting out from the wall).



### > COMPACT AND POWERFULL LIGHTS: CUSTOMISABLE AMBIANCE LIGHTING!

Freedom and creativity: NL LED lights offer a **wide range of set colors and ambiance lighting** thanks to their RGBW technology.

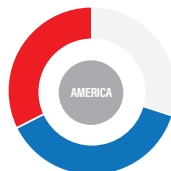
- SET COLORS**
- ALPINE WHITE
  - SKY BLUE
  - COBALT BLUE
  - CARIBBEAN BLUE
  - SPRING GREEN
  - EMERALD GREEN
  - EMERALD ROSE
  - MAGENTA
  - VIOLET



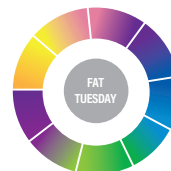
A sophisticated and relaxing atmosphere



An electric atmosphere with over 1,500 constantly changing colors



A star-shaped light show in red, white and blue



A carnival atmosphere with a 32-color display



A night brought to life by hundreds of colors



**Simple to use:** 100% compatible with Zodiac® AquaLink® Tri automation and eXO® iQ smart salt water chlorinators (LS and standard versions) and Hydroxinator® iQ, NL LED lights can be controlled from your smartphone via the iAquaLink™ app.

#### DID YOU KNOW?

#### WITH RGBW LED, THERE'S NO NEED TO CHOOSE BETWEEN WHITE AND COLOR!

Zodiac® NL LED lights are innovative, using RGBW technology (Red-Green-Blue-White) to add white to all 3 primary colors. This enables you to generate an infinite color pallet, with a more natural shade, or pure white lighting.



# DESIGN

## NL



- + Perfect integration for an enhanced pool
- + Powerfull Led lighting
- + Guaranteed energy savings

### ACCESSORIES INCLUDED IN THE PACK

	
Installation tool	White & grey cosmetic rings

### ASSOCIATED PRODUCTS

Hydroxinator® iQ	eXO® iQ
WW000172/173/174/175	WW000162/163/164/165/170/171

**3 YEAR**  
WARRANTY



TECHNOLOGY  
**RGBW**



**iAquaLink**  
COMPATIBLE

### PRODUCT REFERENCES

NL	6RGBW	12RGBW	24RGBW	6BW	12BW	24BW
Standard Model	WT000233	WT000234	WT000235	WT000236	WT000237	WT000238

### DESCRIPTION

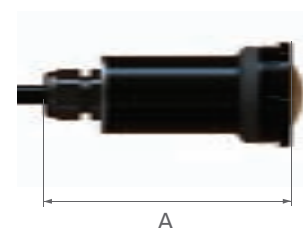
NL	6RGBW	12RGBW	24RGBW	6BW	12BW	24BW
Installation Compatibility	Pool outlet with 1,5" internal thread and without internal reduction ("suction cleaner" outlet type)					
Led Type	RGBW : color + white			Bright white		
Operating Mode(s)	9 fixed colors & 5 multicolor lighting ambiances			1 fixed color : white		
Color Choice*	Manual (on/off sequences) Remote control using iAquaLink™ smartphone app					
Use	Fresh water and salt water up to 6 g/L (6000 ppm)					

### TECHNICAL SPECIFICATIONS

NL	6RGBW	12RGBW	24RGBW	6BW	12BW	24BW
Power	6 W	12 W	24 W	6 W	12 W	24 W
Max amperage (A)	0.52	0.92	1.25	0.62	1.09	1.84
Illuminated surface (m²)**	160	340	505	390	725	1180
Luminous flux (Lumen)	12 to 15	15 to 20	20 to 24	12 to 15	15 to 20	20 to 24
Led lifespan ***	10 000 h					
Protection rating	IP 68					
Power supply	12 VAC - 50/60 Hz					
Cable lenght	3 m					

### DIMENSIONS AND WEIGHT

NL	6RGBW	12RGBW	24RGBW	6BW	12BW	24BW
External diameter (lens)	49.6 mm					
Light body diameter	36.7 mm					
Length A (without cable)	118 mm	143 mm	118 mm	143 mm		
Weight (with cable)	500 g	520 g	500 g	520 g		



\* : Needs eXO® iQ salt water chlorinator or automation Zodiac pool automation system.

\*\* For a light colored pool finish. Reduce illuminated surface by roughly 20% for dark pool finishes.

\*\*\* : Theoretical lifespan in hours, for information only.

# New EU regulation\*

since 1<sup>st</sup> September 2021

According to the eco-design regulation, the swimming pool halogen lights can no longer be sold in the European Union market



POOL  
LIGHTING



## We are your LED's best partner

With our LED solutions for swimming pools, we'll make it easy for you and your customers



### MADE IN EUROPE

100% production in our own facilities



### QUALITY CONTROL

360° continuous control from suppliers  
ISO certifications to finished products



### BUILT BY POOL EXPERTS

More than 15 years of R&D experience to  
design, inject and test watertight solutions

\*EU Regulation 2019/2020 (Ecodesign requirements for light sources), halogen lights for swimming pools can no longer be sold in the EU countries. This also applies to the United Kingdom and Qatar.

**FLUIDRA**

# Lamps

According to UE Regulation 2019/2020, from September 1st, 2021 halogen cannot be sold anymore on the European Union market. This is also valid in other countries such as UK and Qatar.



## TECHNICAL FEATURES

Lamps for lights			
Type of lamp		Code	Consumption
Halogen PAR56	For lights with niche	00370	300W (12 V)
Dichroic GX-5.3	For mini lights	19334	50W (12 V)

According to UE Regulation 2019/2020, from September 1st, 2021 halogen cannot be sold anymore on the European Union market. This is also valid in other countries such as UK and Qatar.



# Standard light

## DESCRIPTION

All plastic materials. PAR56 300W 12V AC halogen lamp.

For correct pool lighting, we recommend: one projector per 25-30 m<sup>2</sup> of pool area. This recommendation is valid for light coloured pools. For pools in dark colours or stainless steel, we recommend a higher proportion of projectors per m<sup>2</sup>.

The projector must be always be submerged in water.

Projectors for installation in "standard" niche (included).

## TECHNICAL FEATURES

Standard light					
Type of pool	Cable 2x6 mm <sup>2</sup> 2.5 m	Type of decorative ring Ø280 mm		Consumption	Niche included
		ABS	S.S.		
Concrete	Yes	07844	07843	300W (300 VA)	Yes
	No		07837		
Prefabricated	Yes		07855		

Rated voltage: 12 V AC. Protection rating: IPX8. Compatible with standard niches (included).



# Mini light

According to UE Regulation 2019/2020, from September 1st, 2021 halogen cannot be sold anymore on the European Union market. This is also valid in other countries such as UK and Qatar.



**Fast assembly  
Mini light**

## DESCRIPTION

Small underwater projector. GX-5.3 50W 12V AC aluminized halogen lamp.


For correct pool lighting, we recommend one projector per 10 m<sup>2</sup> of pool area. This recommendation is valid for light coloured pools. For pools in dark colours or stainless steel, we recommend a higher proportion of projectors per m<sup>2</sup>.

The projector must be always be submerged in water.

Projectors for installation in bushings or niche, depending on model (not included). To complete the installation the right housing should be purchased for each type of pool (see page 442). This recommendation is valid for light coloured pools. For pools in dark colours or stainless steel, we recommend a higher proportion of projectors per m<sup>2</sup>.

## TECHNICAL FEATURES


### Fast assembly Mini light

	Body	Type of decorative ring Ø96 mm	Consumption	Fixing
		ABS		
	Plastic	33708	50W (50 VA)	Ø63 wall conduit or Fast assembly Mini Niche
	Metal	33684		

Rated voltage: 12V AC. IPX8 protection. Includes 2.5 m H07RN-F 2 x 1.5 mm<sup>2</sup> cable.

Compatible with a 63 bushing (code 15661) or snap-in mini niche (not included). Select the appropriate option for each pool (see page 442).

### Mini light for Spa and prefabricated pool

	Body	Type of decorative ring Ø96 mm		Consumption	Fixing
		ABS	S.S.		
	Plastic	33709	36647	50W (50 VA)	Threaded body and 2" nut

Rated voltage: 12 V AC. Protection rating: IPX8. Includes 2.5-m H07RN-F 2 x 1.5 mm<sup>2</sup> cable.

### Mini light for Mini Niche (Light spot)

	Body	Type of decorative ring Ø96 mm		Consumption	Fixing	Niche included
		ABS	S.S.			
	Plastic	49820	49821	50W (50 VA)	Mini niche	No

Rated voltage: 12V AC. IPX8 protection. Includes 2.5 m H07RN-F 2 x 1.5 mm<sup>2</sup> cable.

Compatible with mini niche (not included). Select the appropriate option for each pool (see page 442)


# Niches guide

TYPE OF INSTALLATION	TYPE OF PROJECTOR	TYPE OF POOL						
		CONCRETE	CONCRETE + LINER		POLYESTER		PANELS	
			with inserts	without inserts	with inserts	without inserts	with inserts	without inserts
	LumiPlus FlexiNiche PAR56 projector							
		00349	00364 / 17805	72261/28887	00364/17805	72261/28887	23671	23670
	LumiPlus FlexiNiche LumiPlus Design							
		59813	59814	59815	59814	59815	59814 + double gasket (59814-0100)	59815 + double gasket (59814-0100)
	LumiPlus FlexiNiche full SS			-		-	-	-
		54102	54103		54103			
	LumiPlus FlexiSlim	-	-	-	-	-	-	-
	LumiPlus FlexiRapid							
		35418	59983 17382	06544		74179	00332	27084
	LumiPlus FlexiMini Niche			-		-		-
		06967	00369		00369		49828	
	LumiPlus FlexiMini L Nozzle			-	-			-
		00300/ 00301	59983 17382			00336	00332	
	LumiPlus FlexiMini S Nozzle		-		-		-	
		35418		06544		74179		27084
	LumiPlus FlexiMini Pipe		-	-	-	-	-	-
		15661						

## Standard niches



### TECHNICAL FEATURES

Niches				
Concrete pool	Prefabricated pools		Panels pool	
	With inserts	Without inserts	With inserts	Without inserts
00349 	00364	28887	23671	23670
	17805	72261		

Compatible with: LumiPlus FlexiNiche, LumiPlus PAR56 series, Standard and Global halogen lights and PAR56 Aquasphere projectors



## AISI-316L stainless steel niches

### TECHNICAL FEATURES


AISI-36 stainless steel niches	
Concrete pools	Liner swimming pool
54102	54103

Compatible with: LumiPlus FlexiNiche in Stainless Steel, LumiPlus stainless PAR56 steel range and stainless steel incandescent projectors.



## PS niches

### TECHNICAL FEATURES

PS niches		
Concrete pool	Prefabricated pools	
	With inserts	Without inserts
00355 	-	00367

Compatible with: LumiPlus FlexiNiche, Global and PAR56 Aquasphere projectors.

## NICHES




# Niches for projector DESIGN

and also compatibles with LumiPlus FlexiNiche



### TECHNICAL FEATURES

Niches			
Concrete pool	Prefabricated pools		Fixation kit to adapt LumiPlus Design to other 180mm niches
	With inserts	Without inserts	
59813 	59814	59815	59818*

Compatible with: LumiPlus FlexiNiche ABS and Stainless Steel and LumiPlus Design.

\* Fitting kit to install LumiPlus Design to the majority of niches from Ø180 to Ø190 mm on the market (Hugo Lahme, MTS Productksts, Wibre...).



## Mini niches



### TECHNICAL FEATURES

MINI niches		
Concrete pool	Prefabricated pools	Panel pools
06967 	00369	49828

Compatible LumiPlus FlexiMini V1and V2; LumiPlus Mini V2 series and Mini halogen lights for niche.



## Mini niche with integrated

nozzle for fast assembly Mini projectors



### TECHNICAL FEATURES

#### Mini niche with integrated nozzle for fast assembly Mini projectors

Concrete pools	Prefabricated pools
53956 	59983

53956: Compatible with the LumiPlus FlexiMini Pipe V1 and V2 ; LumiPlus Mini V2 snap-in; LumiPlus V3, LumiPlus FlexiRapid and Mini halogen snap-in ranges.  
59983: Compatible with the LumiPlus FlexiMini Nozzle L V1 and V2; LumiPlus Mini V3 and LumiPlus FlexiRapid ranges.



## Transformers for pool and fountain lighting



**More compact.**  
**More functional.**  
**Specially designed for lighting up fountains and pools.**

### DESCRIPTION

- Suitable for all types of circuit board.
- Quick and easy installation.
- Connection via terminals protected against indirect contacts.
- Up to 40 m between the spotlight and transformer.
- Made in compliance with Standard UNE-EN-61558-2-6.
- IP-20 protection rating.
- Age-resistant housing.

	Code	Standard Pack	Standard weight in kg	Standard volume in m <sup>3</sup>
100 VA 230 V to 12 V transformer	00383-1369	-	-	-
300 VA 230 V to 12 V transformer	00384-1369	-	-	-
600 VA 230 V to 12 V transformer	00385-1369	-	-	-



## Transformers



### DESCRIPTION

Made in compliance with standard EN 60742.

	Code	Standard Pack	Standard weight in kg	Standard volume in m <sup>3</sup>
130VA from 230V to 12V	00383-4146	6	15.0	0 011
300VA from 230V to 12V cable length up to 35 m	71436	4	21.0	0 012
600VA from 230V to 12V cable length up to 25 m	00385-4146	2	19.0	0 012

Alternative transformer range, on enquiry.



## Encapsulated security transformer with IP-65 protection rating for pools



### DESCRIPTION

Manufactured according to the rules UNE-EN 61558 and directive CE.

- Bodywork has IP-657 protection rating.
- Class II transformer. Total protection against all electric shocks.
- Self-extinguishing bodywork, as per IEC 695-2-1
- Frequency of 50-60 Hz.

	Code	Standard Pack	Standard weight in kg	Standard volume in m <sup>3</sup>
130 VA from 220-240 V to 12 V	35807	1	3.2	0.02
400 VA from 220-240 V to 12-17 V	35385	1	6.8	0.04
800 VA from 280-240 V to 12-17 V	35386	1	10.4	0.04



## Transformer protection boxes



### DESCRIPTION

Made of zinc plated steel plate, painted finish.

	Code	Standard Pack	Standard weight in kg	Standard volume in m³
For transformer 00383	00386	1	1.15	0.01
For transformer 00384	00387	1	1.57	0.01
For transformer 00385	00388	1	3.00	0.01

## UNIK connection box

### DESCRIPTION

Manufactured in ABS, with a cover designed to be integrated in the pool surroundings.

Compatible to install in a Ø50 tube or hose.

The connection system is M-25 on the inside, which allows to manipulate it after its installation. The internal connection is with a M-25 cable gland and the external connection is 3/4 BSP.

	Code	Standard Pack	Standard weight in kg	Standard volume in m³
White	75971	8	4.65	0 030
Beige	75971CL090	8	4.65	0 030
Light Grey	75971CL129	8	4.65	0 030
Anthracite	75971CL144	8	4.65	0 030



## Connection box

### DESCRIPTION

Manufactured in ABS.

Compatible to install in a Ø50 tube or hose.

The connection system is M-25 on the inside, which allows to manipulate it after its installation. The internal connection is with a M-25 cable gland and the external connection is 3/4 BSP.

	Code	Standard Pack	Standard weight in kg	Standard volume in m³
White	75972	8	3.8	0 030
Beige	75972CL090	8	3.8	0 030
Light Grey	75972CL129	8	3.8	0 030
Anthracite	75972CL144	8	3.8	0 030



## Connection box with security cover

### DESCRIPTION

Manufactured in ABS, made up of three ¾" inlets/outlets M-25 and ¾" thread connections.



	Code	Standard Pack	Standard weight in kg	Standard volume in m³
White	30825	12	4.65	0 030
Beige	30825CL090	12	4.65	0 030
Light Grey	30825CL129	12	4.65	0 030
Anthracite	30825CL144	12	4.65	0 030

## Connection boxes for gluing pipes Ø50 mm



	Code	Standard Pack	Standard weight in kg	Standard volume in m³
White	65215	8	3.8	0 030
Beige	65215CL090	8	3.8	0 030
Light Grey	65215CL129	8	3.8	0 030
Anthracite	65215CL144	8	3.8	0 030

## Connection box

### DESCRIPTION

In AISI-316 stainless steel. Two PG 15 thread side outlets with two PG16 to M25 converters.  
¾" BSP threaded bottom connection.



	Code	Standard Pack	Standard weight in kg	Standard volume in m³
Connection box	00393	1	0.21	0 002

## Flexible conduit hose



### DESCRIPTION

For connection from light to connection box, length 1 m hose.

	Code	Standard Pack	Standard weight in kg	Standard volume in m <sup>3</sup>
Threaded ends 3/4" & M25	28138	1	-	-
M-25 socket joint	10892-0404	1	-	-
Threaded ends 3/4" and M26 150 cm	28138-150	1	-	-



## Cable roll H07RN-F

	Code	Standard Pack	Standard weight in kg	Standard volume in m <sup>3</sup>
Cable 2x1.5mm <sup>2</sup> - 5m.	74652	1	-	0.01
Cable 2x1.5mm <sup>2</sup> - 10m.	74656	1	-	0.01
Cable 2x1.5mm <sup>2</sup> - 15m.	74657	1	-	0.01
Cable 2x1.5mm <sup>2</sup> - 20m.	74658	1	-	0.01
Cable 2x1.5mm <sup>2</sup> - 25m.	74659	1	-	0.01
Cable 2x1.5mm <sup>2</sup> - 30m.	74673	1	-	0.01
Cable 2x2.5mm <sup>2</sup> - 10m.	71645	1	-	0.01
Cable 2x2.5mm <sup>2</sup> - 15m.	71646	1	-	0.01
Cable 2x2.5mm <sup>2</sup> - 20m.	71647	1	-	0.01
Cable 2x2.5mm <sup>2</sup> - 25m.	71648	1	-	0.01
Cable 2x2.5mm <sup>2</sup> - 30m.	71649	1	-	0.01
Cable 2x6mm <sup>2</sup> - 100m	15264	1	187.5	-

## Underwater connection kit



### DESCRIPTION

The kit has all the necessary components to carry out any watertight connection. Due to the properties of the product, the resin seals all gaps. Maximum safety, easy installation, in 2 hours it is ready to be submerged.

	Code	Standard Pack	Standard weight in kg	Standard volume in m <sup>3</sup>
Kit for Ø 13 to 15 mm cables	32803	1	0.3	0 002
Kit for Ø 8 to 12 mm cables	35661	1	0.3	0 002



## Underwater connector with IP68 protection rating and 4 poles

### DESCRIPTION

Includes 5 connectors and two wrenches.

	Code	Standard Pack	Standard weight in kg	Standard volume in m <sup>3</sup>
Overhead connector	71318	24	4.2	0.3

# Outdoor lighting

## Starlight portable lights

### DESCRIPTION



Decorative lights for indoors and out and even for floating in the water. Includes a remote control for choosing one of the 16 different colours available. They work on low consumption LED technology and once the battery has been charged have a runtime of up to 20 hours. Starlight is water-resistant The charger is supplied with the product.

	Code	Standard Pack	Standard weight in kg	Standard volume in m <sup>3</sup>
<b>StarLight Altair</b> Conical shape 290 x 320 mm	53937	1	3	0 050
<b>StarLight Sirio</b> Circle shape Ø 350 mm	53938	1	3	0 051
<b>StarLight Vega</b> Oval shape 350 x 270 mm	53939	1	3	0 051



# Aquarmony Loudspeaker



## DESCRIPTION

With frontal installation. To listen to music and voice underwater creating a magical and different atmosphere. Aquarmony is a sealed waterproof loudspeaker designed for your pool. It is made of high quality components, innovative technology and with an assembly system assuring a correct operation in salt water or with a high Chlorine content. Easy installation.

	Code	Standard Pack	Standard weight in kg	Standard volume in m <sup>3</sup>
Aquarmony Loudspeaker	25680	-	-	-
Niche for concrete pool	00349	-	-	-
Niche for liner pool	00364	-	-	-

Note: The niches come with a stuffing box assembly and a 1.5-m cable grommet specially designed for the Aquarmony range



## TECHNICAL FEATURES

Maximum power	60 W
Impedance	4 ohm
Frequency	200-12000 Hz
Maximum area per loudspeaker	80 m <sup>2</sup>
Maximum installation depth	40 cm
Weight	5 Kg
Cable length supplied	5 m

# Amplifier and loudspeakers

## RK400S



## DESCRIPTION

- Built-in SELV power pack with all required protection ratings and safety systems.
- Fully insulated input and output ports, in compliance with standard ENV 61558-1 CEI EN 64-8/7, Section 702.
- RCA stereo input port compatible with any source (CD player, MP3 player, smartphone, etc.).
- Input and output XLR link for connecting other RK400-S devices together.
- Automated equalizers and limiters specially redesigned by Aquarmony.
- Automatic gain control, which does not require volume buttons.
- Four 60 W RMS amplifiers that work separately.
- Output through a gold-plated screw connector.
- On/off and signal display light.

	Code	Standard Pack	Standard weight in kg	Standard volume in m <sup>3</sup>
Amplifier and loudspeakers	RK400S	1	-	-

## TECHNICAL FEATURES

Maximum power	4 x 60 W rms
Impedance	4 ohm
Frequency	50-20,000 Hz
Weight	3.6 Kg