



**EVA**

A12 LED Underwater Lights

EVA Optic LED underwater lights have been used in over 250 public swimming pools and 1000 residential pools around the world. Designed and manufactured in the Netherlands, their extensive knowledge and experience has enabled them to produce lights that are among the most reliable in the market.

Smart design, use of the newest developments in LED technology and unique driving functionalities make EVA Optic underwater lights very efficient. When replacing traditional halogen lamps with comparable light output, the average payback time is 1–2 years.



## Product Information

**EVA-A12-Mxx**  
 EVA A12 LED underwater light - 40 W, IP68/IPX8  
 Fixed colour light with mono driver/PSU and 10 m cable

**EVA-A12-Rxx**  
 EVA A12 LED underwater light - 40 W, IP68/IPX8  
 Multicolour light with RGBW driver/PSU and 10 m cable

xx:        65 = LED's RGBW 6500 K  
             27 = LED's RGBWW 2700 K

## The advantages of EVA Optic Pool Lights

Select the light colour only at installation. All EVA Optic underwater lights contain the same RGBW LED's, even the lights with a fixed colour. Therefore, the light colour need only be selected at installation, when the light's electronics are connected. Do you want to be able to change light colours at any time? With the RGBW Upgrade Kit your lamp is easily upgraded into a DMX controllable multicolour RGBW underwater lamp.

EVA Optic developed Intelligent Power Control (IPC) for multicoloured RGBW lights. With IPC the LED's full capacity is used at all times. Due to the constant light output, a pool is optimally illuminated regardless of the light colour. Without IPC part of the RGBW light's capacity is lost. Depending on colour choice, this loss can reach up to 75%.

The multi-angle light beams provide the optimum combination of powerful beam range and even illumination to the bottom of the pool. The newest LED technology ensures perfect colour mixing without glare.

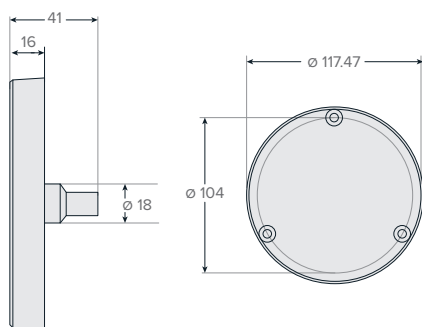
The EVA Optic underwater lighting models demonstrably meet the international safety standard for underwater lighting IEC EN 60598-2-18. The luminaires were tested for electrical safety (SELV), water resistance (IPX8 / IP68), insulation class (III), impact resistance, mechanical strength, resistance to high pressure, thermal protection and fire safety.

To find out more or for advice on the range of EVA Optic lights available from Golden Coast, please contact us on 01271 378 100 or email [swimmer@goldenc.com](mailto:swimmer@goldenc.com).

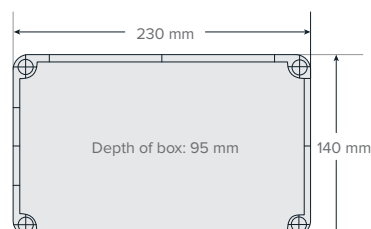
# Technical Specifications and Dimensions

	EVA A12 Fixed Colour	EVA A12 RGBW Multicolour
Type of light	IP68 LED underwater light (zone 0)	IP68 LED underwater light (zone 0)
Codes	Daylight White LED - Liner 10 25 999 350	Daylight White RGB LED - Liner 10 25 999 360
	Warm White LED - Liner 10 25 999 355	Warm White RGB LED - Liner 10 25 999 365
	Daylight White LED - Concrete 11 25 999 350	Daylight White RGB LED - Concrete 11 25 999 360
	Warm White LED - Concrete 11 25 999 355	Warm White RGB LED - Concrete 11 25 999 365
	Daylight White LED 12 25 050 350	Daylight White RGB LED 12 25 050 360
	Warm White LED 12 25 050 355	Warm White RGB LED 12 25 050 365
Applications	Competition pools, recreational pools, instruction pools	Competition pools, recreational pools, instruction pools
Maximum energy consumption system	40 W	40 W constant output (10% tolerance) - IPC
Type of LED's	12 x RGBW high-power multi chip LED's	12 x RGBW high-power multi chip LED's
Light output at 6500 K	Comparable to 400 W Halogen	Comparable to 400 W Halogen
Colour temperatures	Fixed colour light: Light colour to be determined through connection of wires. Options: White, Blue, Sky Blue (light blue), Mediterranean Blue (green blue), Green, Red, Purple, Magenta, Yellow, etc.	Multicoloured light: * RGBW Red/Green/Blue/Daylight White (6500 K) * RGBWW Red/Green/Blue/Warm White (2700 K)
Beam angle	Multi-angle light beam: narrow beam and wide flood	Multi-angle light beam: narrow beam and wide flood
Maximum water temperature	40 °C	40 °C
Maximum installation depth	25 m	25 m
Diameter	ø 117 mm	ø 117 mm
Depth of luminaire	17 mm	17 mm
Cable length of luminaire	10 m (5 x 0.5 mm <sup>2</sup> )	10 m (5 x 0.5 mm <sup>2</sup> )
Safety standard compliancy	IEC EN 60598-2-18	IEC EN 60598-2-18
Driver input/output	100 - 240 V AC/24 V DC	100 - 240 V AC/24 V DC
Driving technology	1-10 V DC (dimming)	DMX 512 (colour mode, scenes, dimming, etc.)
Maximum cable length	100 m	100 m
Working temperature power box	-20 °C to +40 °C	-20 °C to +40 °C
Protection rating power box	IP66	IP66
Protections power supply	Short circuit, overload, overvoltage, SELV equiv., Class 2 output, double insulation	Short circuit, overload, overvoltage, SELV equiv., Class 2 output, double insulation
Warranty	2 years	2 years

\* Important note! Always provide sufficient space around both luminaire and power box to allow for cooling.



A12 Power Box – Fixed Colour/Multicoloured RGBW



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