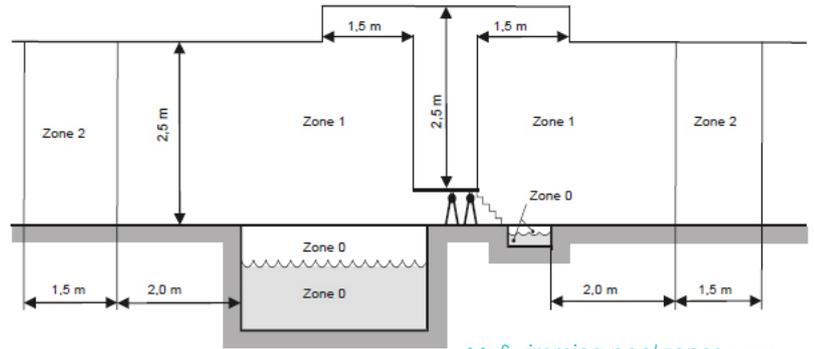


EVA Optic is specialist developer of high quality LED solutions for swimming pools and indoor sports facilities. All products are developed and manufactured inhouse in the Netherlands.



>> EVA Lara luminaire



>> Swimming pool zones as specified in the International safety standard IEC 60364-7-702

EVA Lara

Type luminaire	IP65 LED linear lighting chlorine resistant
Application	Swimming pool areas - mounting above zone 1 (not to be used inside zone 1 or 2) Indoor - utility and industry Indoor sports applications
Material	Clear anodised aluminium, PMMA UGR <19 microprism cover
Shock resistant	Yes
AutoTemperature System (ATS)	No
Luminaire dimensions	40 x 40 x ... (width x height x length), see options on page 2
Type LEDs	High-power multi chip LED array 29cm
CRI LEDs	>84
Lumen efficacy system (+/- 10%)	3000K: 140 Lm/W 4000K: 145 Lm/W 5000K: 160 Lm/W
Colour temperatures	3000K Warm white 4000K Neutral white 5000K Daylight white
Max. energy consumption	Depending on luminaire size, see options on page 2
Max. working temperature	45°C
Active power factor correction	>0,94 (when dimming back to 30%, PF remains >0,9)
Total Harmonic distortion	<8%
Constant Light Output	Yes
Flicker free	Yes
Input voltage AC	100/264
Input voltage DC	170/280
Driving technology	1-10Vdc
Standard cable length	2m (2x0.5mm ²)
Max. cable length	10m (2x1.5mm ²)
Working temp. powerbox	-20°C to +40°C
Type driver	IP67, 52W external driver
Protections	Short circuit, overload, overvoltage, SELV equivalent, Class 2 output, double insulation
Lifetime	50,000 hours L80/B20
Warranty	4 years

* Important! Always keep enough space (min. 5 cm) around the luminaire (including front), heatsink and powerbox for sufficient cooling.

EVA Lara luminaire

	Power in W	Length in cm	Dimming*	Number of drivers	Emergency unit possible
EVA-LARA-F120-RxxC-M**	40	117	DMX512	1	No
EVA-LARA-F146-xxCH-M	55	146	1-10V	1	Yes
EVA-LARA-F175-xxCH-M	55	175	1-10V	1	Yes
EVA-LARA-F204-xxCH-M	55	204	1-10V	1	Yes
EVA-LARA-F233-xxCH-M	55	233	1-10V	1	Yes

xx = Enter the desired colour temperature here. You can choose between 30 for 3000K, 40 for 4000K and 50 for 5000K.

* Standard not dimmable. Dimming is possible at extra cost.

** RGBW luminaire, only available in length 117 cm and colour temperature 6500K.

Advantages of EVA | LED Lighting

EVA Optic is specialist developer of LED lighting for eg swimming and sports facilities. We have a complete range of LED lighting to fully equip public pools and indoor sports facilities with high-quality LED lighting in all areas of the accommodations (indoor, outdoor and even underwater) according to international standards for light output, electrical safety and materials used.

EVA lighting was already used in more than 250 public swimming pools and sports centers and more than 1,000 private pools worldwide. All our lights are developed and manufactured in-house in the Netherlands. The advantages of EVA LED lighting:



Athlete-friendly lighting

LED is spot lighting and can therefore be extremely bright, creating blinding glare. EVA Optic swimming pool and sports lighting have very low glare rate (UGR < 19) because of the unique microprism cover. The cover ensures that powerful lights create minimal glare and are extremely suitable for sports environments. The low glare rate ensures powerful yet pleasant light with optimal visibility, even when glancing directly into the light.



Flicker-free lighting: optimal visibility during fast ball sports

Flickering light is very disturbing for athletes. Low-frequency flicker in lighting is associated with blurred vision, eye fatigue and impaired visual perception. Flickering may also cause stroboscopic effects, which can lead to the apparent slowing or stopping of objects (ball or shuttle). Even flicker at frequencies that are not visible to the naked eye, can cause such results. EVAline fixtures are flicker-free.



No loss of LED capacity in multi-coloured lights (RGBW lights)

EVA Optic developed Intelligent Power Control (IPC) for multi-coloured 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%.



Fast Return on Investment

Smart design, use of the newest developments in LED technology and unique driving functionalities make EVA Optic swimming pool & sports lights very efficient. When replacing traditional lighting solutions (TL, metal halid, PL) with comparable light output, the average payback time is 2-5 years.