

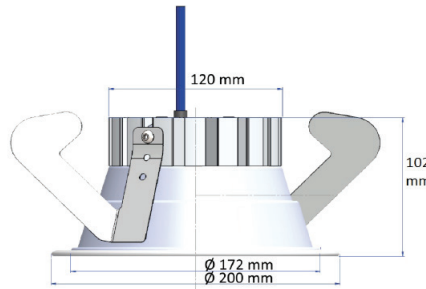
# EVA DL Aqua HE | LED Downlight



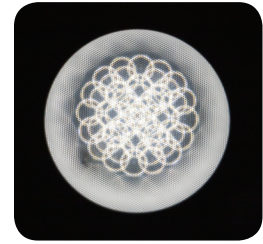
EVA Optic is specialist developer of high quality LED solutions for swimming pools and indoor sports facilities. All products are developed and manufactured inhouse in the Netherlands.



>> EVA DL Aqua HE

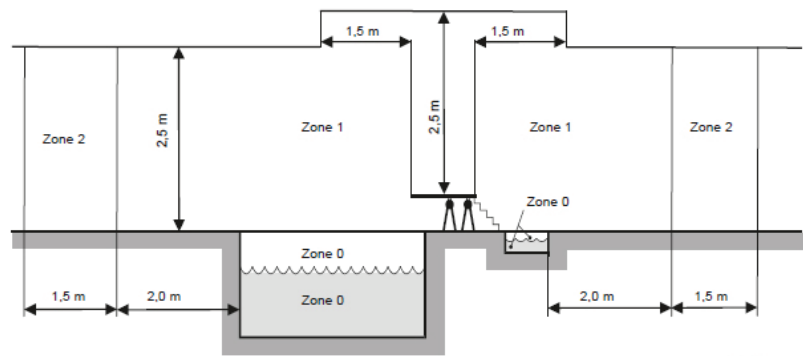


>> Dimensions light unit



>> Front view: illuminating surface of downlight Anti-glare (UGR <19)

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



## EVA DL Aqua HE Mono

## EVA DL Aqua HE RGBW

Type luminaire	IP65 chlorine resistant LED downlight	IP65 chlorine resistant LED downlight
Suitable for use in pool zone as specified in IEC 60364-7-702	Light in zone 1 or 2, PSU outside zone 2	Light in zone 1 or 2, PSU outside zone 2
Application	Downlight for use in all areas of a swimming pool, including swimming hall and wet areas.	Downlight for use in all areas of a swimming pool, including swimming hall and wet areas.
Material	Clear anodised coated aluminium (RAL 9010) with PMMA UGR <19 microprism cover	Clear anodised coated aluminium (RAL 9010) with PMMA UGR <19 microprism cover
Max. energy consumption	8W - 11W - 14W - 17W - 21W - 25W (adjustable)	20W constant output (10% tolerance) - IPC
Powerfactor	> 0.9	> 0.9
Type LEDs	High-power multi chip LEDs	High-power multi chip LEDs
Lumen efficacy system 5000K	130 Lm/W (5000K)	Variable per colour
Colour temperatures	2700K Extra warm white 3000K Warm white 4000K Neutral white 5000K Daylight white	RGBW 6500K Daylight white RGBWW 2700K Warm white
Light beam angle	80°	80°
Max. working temperature	45°C	45°C
Dimensions	∅ 200 mm, depth 102 mm	∅ 200 mm, depth 102 mm
Cable length luminaire	0,5m GST 18/3	0,5m GST 18/3
Driver input/output	100-240 Vac / 24Vdc	100-240 Vac / 24Vdc
Driving technology	0-10Vdc	DMX 512
Max. cable length	100m (5x4mm <sup>2</sup> )	100m (5x4mm <sup>2</sup> )
Working temp. powerbox	-20°C to +40°C	-20°C to +40°C
Protections	Short circuit, overload, overvoltage, SELV equivalent, Class 2 output, double insulated	Short circuit, overload, overvoltage, SELV equivalent, Class 2 output, double insulated
Options	ATS (Auto Temperature System), emergency units, DALI	ATS (Auto Temperature System), emergency units
Lifetime	50,000 hours L80/B20	50,000 L80/B20
Warranty	4 years	4 years

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

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:



### **OPTION: Auto Temperature System (ATS) - smart protection against LED overheating**

For optimal lifetime of the LEDs it is very important to prevent the LEDs from overheating. EVA Optic LED lights with ATS regulates its own temperature. When the temperature of the LEDs is too high, the lighting system automatically dims back slightly until the desired balance between the ambient temperature and the LED temperature has been restored. The difference is so minimal that you do not perceive it, but the lighting will last for many years longer because of it.



### **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.



### **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.