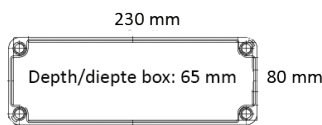


EVA Optic is specialist developer of high quality LED solutions for swimming pools and indoor sports facilities. All products are developed and manufactured inhouse in the Netherlands.



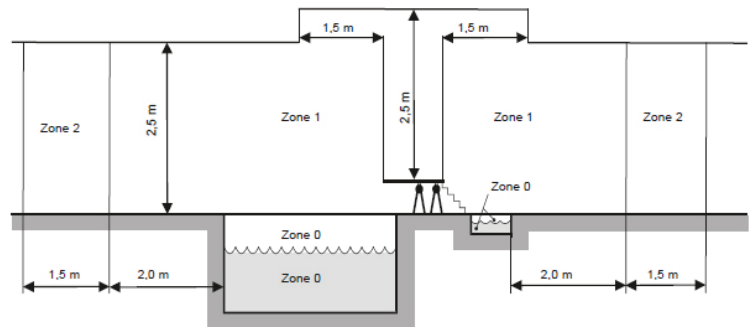
>> EVA Hydra with adjustable bracket



>> Power box Hydra 20W Mono



>> Power box Hydra 20W RGBW, Hydra 40W Mono and Hydra 40W RGBW



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

	EVA Hydra 20 (Mono/RGBW)	EVA Hydra 40 (Mono/RGBW)
Type luminaire	IP67 LED Spotlight (IP68 on request)	IP67 LED Spotlight (IP68 on request)
Suitable for use in pool zone as specified in IEC 60364-7-702	Light in zone 1 or 2, PSU in zone 2	Light in zone 1 or 2, PSU in zone 2
Application	Application indoor and outdoor. Spotlight for swimming pools, sports facilities, dry docks, stores, showrooms, illumination of buildings	Application indoor and outdoor. Spotlight for swimming pools, sports facilities, dry docks, stores, showrooms, illumination of buildings
Material	Clear anodised aluminium Black anodised aluminium (additional charge)	Clear anodised aluminium Black anodised aluminium (additional charge)
Max. energy consumption	20W constant output (10% tolerance) - IPC	40W constant output (10% tolerance) - IPC
Type LEDs	6x RGBW high-power multi chip LEDs	12x RGBW high-power multi chip LEDs
Lumen efficacy system 6500K	110 Lm/W	110 Lm/W
Colour temperatures	Fixed light colour (Mono) or multicoloured (RGBW): <ul style="list-style-type: none"> • Mono colour spotlight: light colour is selected through connection of wiring, options: white, blue, sky blue, green, mediterranean blue or red • RGBW multicolour spotlight: available in 2 versions: RGBW with 6500K daylight white or RGBWW with 2700K warm white light 	Fixed light colour (Mono) or multicoloured (RGBW): <ul style="list-style-type: none"> • Mono colour spotlight: light colour is selected through connection of wiring, options: white, blue, sky blue, green, mediterranean blue or red • RGBW multicolour spotlight: available in 2 versions: RGBW with 6500K daylight white or RGBWW with 2700K warm white light
Light beam angle	Extra-narrow (17°), narrow (37°) or wide (60°)	Extra-narrow (17°), narrow (37°) or wide (60°)
Max. working temperature	40°C	40°C
Diameter	ø 118 mm, heatsink: ø 120 mm	ø 118 mm, heatsink: ø 120 mm
Depth luminaire	113 mm	113 mm
Cable length luminaire	10m (7 wires, whereof 1x1.0mm ² , 4x0.5mm ² and 2x0.25mm ²)	10m (7 wires, whereof 1x1.0mm ² , 4x0.5mm ² and 2x0.25mm ²)
Driver input/output	100-240 Vac / 24Vdc	100-240 Vac / 24Vdc
Driving technology	Mono: 1-10Vdc RGBW: DMX 512	Mono: 1-10Vdc RGBW: DMX 512
Max. cable length	100m (7x2,5mm ²)	100m (7x2,5mm ²)
Working temp. powerbox	-20°C to +40°C	-20°C to +40°C
Type of powerbox	IP65	IP65
Protections	Short circuit, overload, overvoltage, SELV equivalent, Class 2 output, double insulated	Short circuit, overload, overvoltage, SELV equivalent, Class 2 output, double insulated
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:



Selection of light colour only at installation (*Fixed Colour lights*)

The EVA Hydra spotlights HY20 and HY40 contain the same RGBW LEDs, 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 spotlight is easily upgraded into a DMX controllable multi-colour RGBW spot.



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 project is optimally illuminated regardless of the light colour. Without IPC part of the RGBW light's capacity would be lost. Depending on colour choice, this loss would reach up to 75%.



Standard IP67 protected for immersion

The Hydra LED spotlight falls under protection class IP67. This means that the lamp can be used for up to 30 minutes at 1 m depth under water. The spot is ideal for use in rapids, and water attractions where the lamp must operate both under and above water. But it can also be used in naval dockyards. When the lamp needs to be used deeper than 1 meter, and/or longer than 30 minutes under water or in chlorinated water, the lamp can also be produced as IP68 spotlight.



Fast Return on Investment

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