WV15 ColorWave

LED underwater floodlights - Series 2024

WaterVision

MORE LIGHT   LESS ENERGY

"The WV15 ColorWave series adds colour to your swimming pool"

All colours

Spectacular atmosphere

The WV15 ColorWave LED underwater floodlights are used to add spectacular atmosphere to swimming pools and provide swimmers with a safe and enjoyable swimming experience. The lighting creates just the right atmosphere for any activity by providing a fixed colour or changing colours - lighting that quickly changes to a beat or a slow continuous colour sequence - creating a feeling of excitement or a peaceful mood. Anything is possible with the WaterVision colour changers. Instantly give your pool a completely new look, adapting it to the target group, activity, theme, time of day or time of year...........

Sustainable savings

The timeless and characteristic design of the WV15 fittings has remained unchanged and unrivalled since 2004. Replacing and upgrading the lamps is easy - all LED engines up to 200 watts fit in the same housing. Not only does this save time but it also saves considerably on costs. In addition, the fitting is indestructible and can be reused, making a significant contribution to protecting the environment.

Quickly pays for itself

The investment is usually earned back within two years when moving from halogen lighting to the WV15 ColorWave ACC series. A 60 Watt LED lamp is normally used to replace a 300 Watt halogen lamp, saving 80% in energy costs. Thanks to their longer lifespan, you also save on installation and replacement costs. If you would you like to know how much you can save, contact us and we will make a calculation based on your situation.

- Spectacular
- Proven quality since 2004
- Ideal atmosphere
- Sustainable
- Robust
- Quickly pays for itself
- Fast installation
- Reliable
- Made in Holland

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Vivid colours with the ACC®

With Autonomous Color Control® **(ACC)**, WaterVision offers a powerful new light engine that can illuminate swimming pool water in virtually any colour of the rainbow. To achieve this, intermediate colours such as amber and orange are used in addition to the RGB (red, green, blue) colours. The intermediate colours are automatically controlled with the x channel.

Maximum output

ACC uses the colour lamp's maximum output. For example, when white light needs to be created, all the LEDs that contribute to the white light are used and not only the W channel. This automatically means that white light is created on two channels leading to extraordinary results.
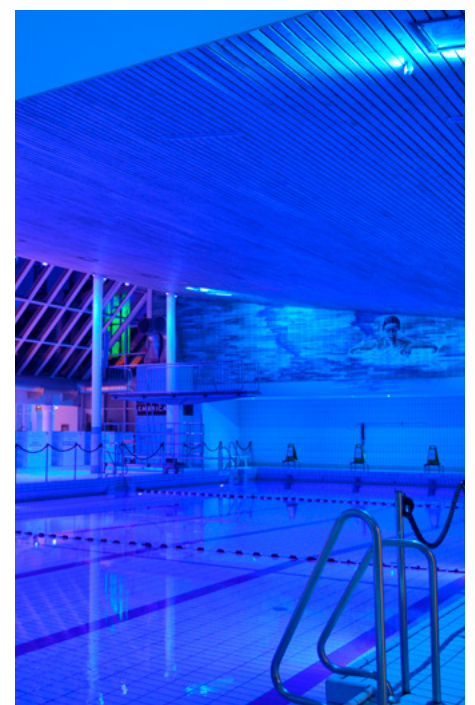
The 'x' in the RGB*x*W® is independently responsible for enhancing ideal lighting effects and for improving the colour display underwater. This enhances the colours and even makes it possible to create the 'impossible red'.

What is RGBxW ACC?		
RGB	=	Red
		Green
		Blue
x	=	Ideal lighting effect amplifier
W	=	White-channel
ACC	=	Autonomous ColorControl

A peaceful experience with continuous colour sequences

The RGB*x*W ColorWave series 2024 with ACC contains light scenes that seamlessly change colour (without people noticing). By this, we mean that the change in colour is so subtle and brief that it is almost imperceivable. Over a longer period of time, the colour change becomes noticeable in comparison with to the previous colour that people remember. This continuous gradual colour change creates an exceptionally peaceful ambiance.

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The lighting control

WaterVision WV15 ColorWave underwater floodlights are controlled using a DMX controller, which can be operated via a control panel; the WaterVision ColorComposer. The modern ColorComposers are available in three versions, which are supplied ready-made by WaterVision and fully pre-programmed to your requirements.
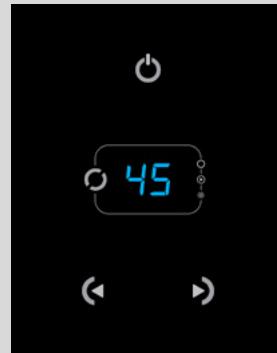
Colour change programmes

WaterVision supplies standard colour change programmes, in which the intensity of the lighting effect is constant, optimising the view of the swimmers during the change. This prevents supervisors from becoming tired too quickly. Would you prefer a different type of colour change? That's no problem - anything is possible.
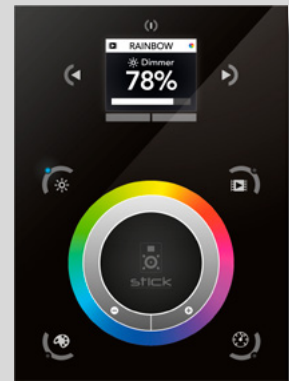
Color Composer Mini

- 24 scenes, 1 zone
- 128 DMX channels
- USB port
- 3 touch-sensitive buttons
- Size: 86 x 86 x 11 mm

Color Composer 99

- 99 scenes, 1 zone
- 512 DMX channels
- USB port
- 4 touch-sensitive buttons
- Size: 86 x 110 x 11 mm

Color Composer 500

- 500 scenes, 10 zones
- 1024 DMX channels
- USB and ethernet ports
- Built-in clock and calendar
- Network communication
- Size: 106 x 146 x 10 mm

"Thanks to the special arrangement of the LEDs in the LED engine, ColorWave underwater floodlights are able to produce the colour called 'impossible red,"

Frans Breeuwer, de Duikerdel, Noord Scharwoude

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The ColorWave replacement packages

To make it as easy as possible for you, we have put together ready-made packages for the replacement of your old pool lights. These packages contain all the parts needed to mount the pool light on the existing recessed housing. The supplied mounting set is suitable for mounting on MTS, Wibre, Bega, Lahme, Astral and universal recessed housings. The set consists of brackets, mounting plates and sealing rubbers for the cable entry. This way you will never miss out and the work does not have to be interrupted and that is so enjoyable.

Packages			
P7084-01.10 (1 pool light) P7084-02.10 (2 pool lights) P7084-03.10 (3 pool lights) P7084-04.10 (4 pool lights)	WV15 pool lights | frosted | chlorinated water | 10 meters of cable, including 80 Watt Led Driver in mounting box with power cord (V0005) including mounting set, including demultiplexer and ColorComposer Mini	40 W RGBxW	

The One-Click-Pool-Light-Planner

WaterVision has developed an advanced tool that shows exactly how many underwater lights are required for your specific pool. This takes into account the size of the swimming pool and the material of which the swimming pool is made.

With just one simple click you will find the right advice. The placement of the lamps, the installation schedule and the specifications texts are visualized..

Download here the One-Click-Pool-Light-Planner

Articlelist WV15 ColorWave - Series 2024

Art.nr.	Description	Optimal	All on	Lumen*
V1507084	ColorWave Gold 2024, RGBxW, 24V	40 W	80W	up to 7.200lm (RGBW White)
V1507085	ColorWave Gold 2024, RGBxW, 24V	60 W	120W	up to 10.800lm (RGBW White)
V1507087	ColorWave Gold 2024, RGBxW, 30V	80 W	160W	up to 14.400lm (RGBW White)

(*) The WV15 NanoPower® lamps are available with a flat (2mm) rim, a 13mm rim and a 26mm rim. The flat fixture is recommended in swimming pools with a movable bottom, or in rapids, etc. The 26mm fixture is ideally suited for swimming pools without a built-in pot. The lamp is then mounted directly on the pool wall. All fittings are available for both chlorine and salt water.

(**) The indicated lumen values are the maximum values of the LED engine (including primary lens) without losses of the secondary optics and voltage converters to be used. These must be settled. The wattages can deviate by approx. 10% from the specified values.

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Parts list WV15 ColorWave accessories

Art.no.	Description
V0059	Stainless steel recessed housing with narrow flange (12mm) for stainless steel pools
V0106	Stainless steel recessed housing with wide flange (50mm) for concrete pools
V0168	Stainless steel recessed housing for liner and prefab pools
V0052	Flange ring for flush-mounting (in tiles) WV15 (13mm)
V0191	Flange ring for flush-mounting (in tiles) WV15 (2mm)
V0015	Stainless steel mounting bracket
V0141	2-pole welded injection-moulded parts for quick mounting to existing cables (only if replacing cables is not possible)
V0142	6-pole welded injection-moulded parts for quick mounting to existing cables (only if replacing cables is not possible)
V0005	80 Watt 24V (DC) LED driver in housing
V0069	320 Watt 24V (DC) LED driver in housing
V0128	590 Watt 24V (DC) LED driver in housing
V0171	DMX demultiplexer (24 - 30Vdc), DMX --> 1-10Vdc RGB(W) output with test function
V0053	ColorComposer Mini
V0160	ColorComposer 99
V0158	ColorComposer 500

Recessed housing with narrow flange For stainless steel pools
Part nr. V0059
Size: Ø228 x 45mm x 12mm

Recessed housing with broad flange For concrete pools
Part nr. V0106
Size: Ø228 x 45mm x 50mm

Recessed housing for liner and prefab pools
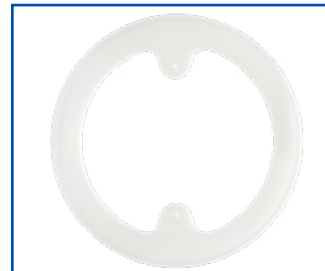Artnr.: V0168
Maat: Ø254mm x 50mm.

ColorComposer Mini, CC99, and CC500. Part no.: V0053, V0160 and V0158
Type: Mini, CC99 and CC500

Stainless steel mounting bracket
Part no. V0015
Size: 178 x 20 x 88mm

Welded injection-moulded parts
Part nr. V0141 and V0142

Flange ring for flush mounting WV15 (13mm)
Part no.: V0052
Size: Ø279 x 24mm

Flange ring for flush mounting WV15 (2mm)
Part no.: V0191
Size: Ø280 x 10mm

80 Watt 24V (DC) LED driver in housing
Part no. V0005
Size: 254(h) x 180(w) x 62(d)mm

320 Watt 24V (DC) LED driver in housing
Part no. V0069
Size: 400(h) x 200(w) x 80(d)mm

590 Watt LED driver in 24V (DC) housing
Part nr. V0128
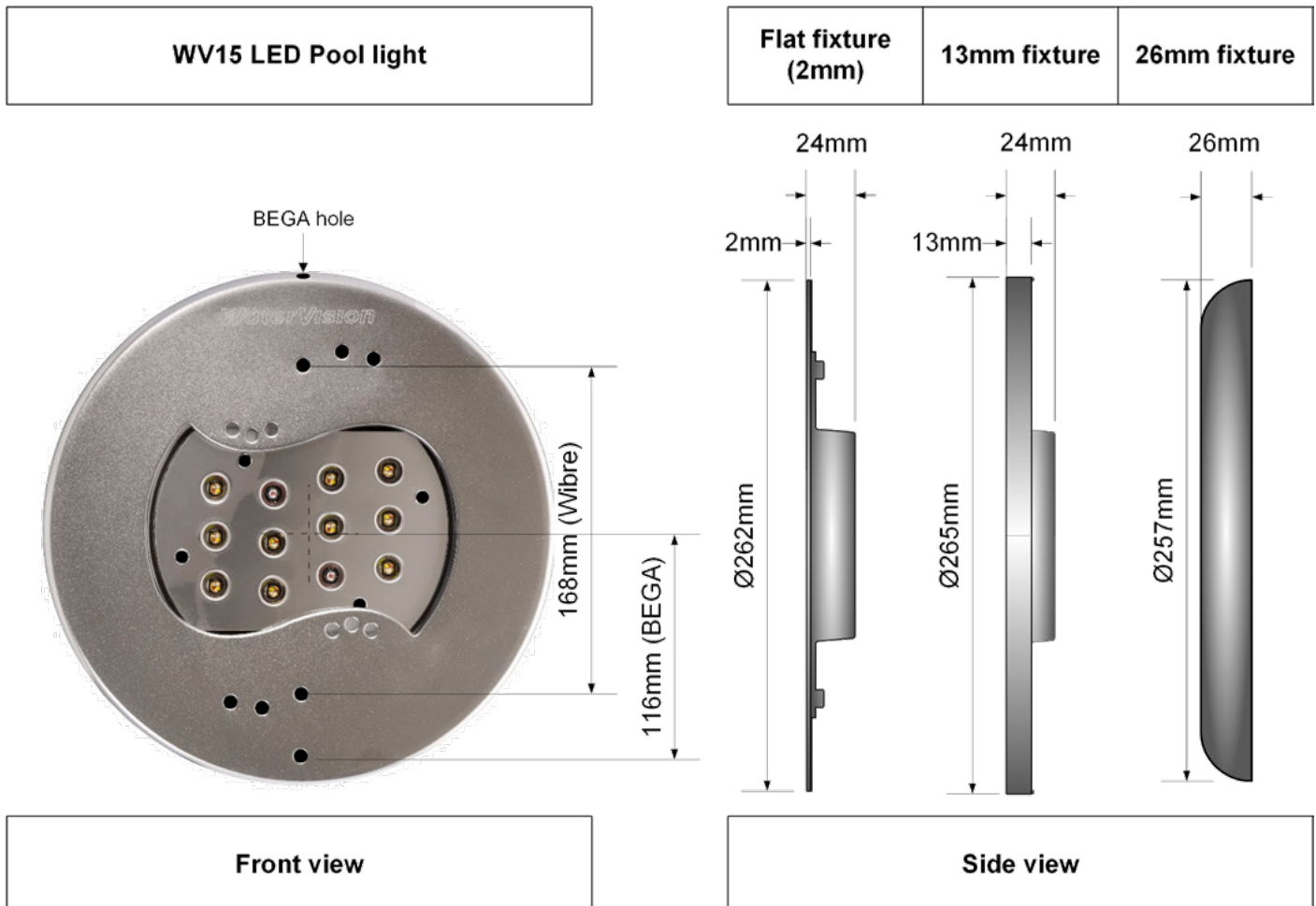Size: 400(h)x300(w)x155(d)mm

DMX Demultiplexer in housing
Part no.: V0171
Size: 254(h) x 180(w)x62(d)mm

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Easy to install
The WV15 ColorWave underwater floodlights can be installed quickly and easily and have the following properties:

- Fits virtually any commonly used box.
- Can be flush-mounted to the wall.
- Can be mounted with or without a recessed housing box.
- Can be mounted on the bottom and walls of the swimming pool.
- All parts to be connected have clamp connectors for quick mounting
- Fully protected against installation errors, such as short circuits, accidentally swapping the positive and negative poles, damaging the cable, etc.
- All lamps have the driver inside the housing and are fully protected against faulty connection with the control and voltage converters.
- No active components around the perimeter of the swimming pool. All active components are installed in the electronics area(s).
- Colour control using the 0..10V cabling and power supply. Plus and minus are connected in parallel. Any possible twisting will not cause fatal injury and can be detected by built-in monitoring programmes.
- The combined power supply and control cable is highly protected against electromagnetic disturbances and external interference.
- The DMX controller has built-in control programmes to test the operation of the lighting. For example, if all RGBW LEDs run individually for 10 seconds, everything is properly installed.
- Control programme on ColorComposer
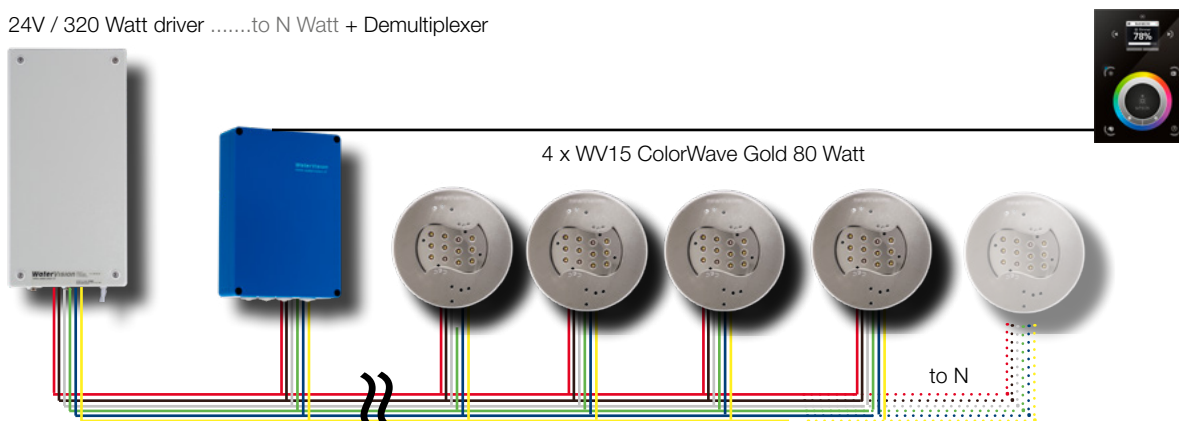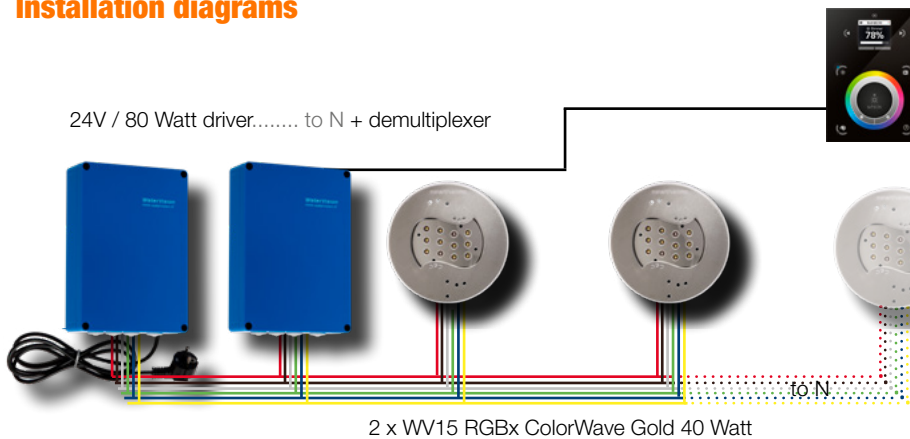
WV15 - three different fixtures

WV15 LED Pool light		Flat fixture (2mm)	13mm fixture	26mm fixture

Front view

Side view

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Technical specifications

Part	Value
Operating voltage	24V (DC)
LED driver	Integrated in the lamp housing
Output	40W, 60W, 80W
Light output*	up to 180 lumen per Watt
Application	Swimming pools
Lighting colours	All the colours of the rainbow
Ambient temperature (C)	-20° to +42° (standard).
Safety features	Multiple safety features prevent overheating, voltage peaks and electromagnetic effects. Impact- and vibration-proof.
Cable	10 m (standard), 15, 20 to 50 m x 2x1 mm2. Cable cover Ø7 mm.
Material	Chlorinated water: stainless steel 316L / 1.4404 Salt water: stainless steel 904L / 1.4539 with wear- and impact-resistant acrylate light window

Part	Value
Optics	- Multimirror® wide angle clear - Multimirror® frosted
Housing	1. Fixture with 2mm rim 2. Fixture with 13mm rim 3. Fixture with 26mm rim
Protection class	IP68; hermetically sealed, water seal at cable inlet.
Dimensions	2mm rim: Ø262mm x 24mm 13mm rim: Ø265mm x 24mm 26mm rim: Ø257mm x 26mm
Dimmable	Optional
Safety class	III
Warranty	2 years
Conformity	CE
Country of origin	Netherlands

CE   EU-PRODUCT MADE IN NL   III   IP68   24Vdc   5m

Installation diagrams

24V / 80 Watt driver........ to N + demultiplexer

to N

2 x WV15 RGBx ColorWave Gold 40 Watt

24V / 320 Watt driver ....to N Watt + Demultiplexer

4 x WV15 ColorWave Gold 80 Watt

to N

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