

CrystalColor 5 & 7

LED fixtures - Series 2024

WaterVision

MORE LIGHT LESS ENERGY



“Optimized for Water Parks, Saunas and Swimming pools”



Extremely small

The CrystalColor series of LED fixtures are one of the smallest in relation to the extremely high light output. The fixture consists of a solid hard anodized aluminum cooling frame where the LEDs and the electronics of the driver are integrated and hermetically sealed.

Resistant to aggressive chlorine vapour

The fixture is ideally suited for use in extremely aggressive environments. This product feature has made the fixture extremely popular with water parks, swimming pools and saunas. Since the fixture is resistant to aggressive chlorine vapour, salty seawater vapour, and moisture and has a high-impact resistance. And all this for the price of an ‘ordinary’ fixture.

Cost efficient standard solutions

WaterVision has developed a special range of light engines and optics for aqua parks, swimming pools and saunas. This series is aimed at providing cost-effective “standard” solutions for basic and atmospheric lighting. With this, WaterVision meets the desire to constantly create a new atmosphere and experience that matches the activity. For example: competitive swimming, leisurely activities, aqua jogging, midnight swimming, disco, relaxation, positive vibes, workout, morning wake, etc.

- Small
- High light output
- Impact resistant
- Universal
- Sustainable
- Good value
- Atmospheric
- Cost efficient

CrystalColor 5 & 7

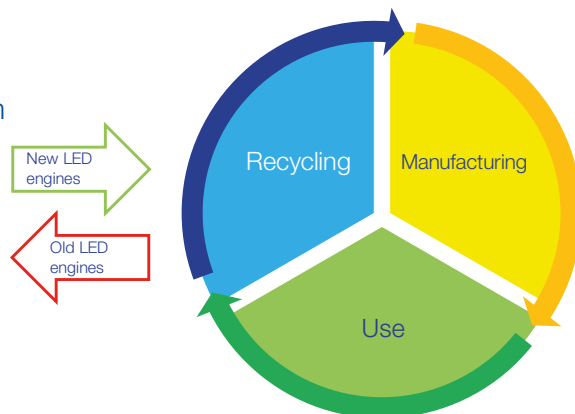
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Circular economy - the purest contribution with minimal energy loss

The casings of the CrystalColor fixtures are made of solid aluminum and do not wear out. The LED modules are subject to wear and tear. At the end of its life, WaterVision can take back the fixtures and provide them with new light engines. All fixtures are disassembled and completely cleaned. After this, almost all fixtures look like new. In addition to being good value, this also contributes substantially to the circular economy in the purest and most efficient form.



Graph 1: Circular economy

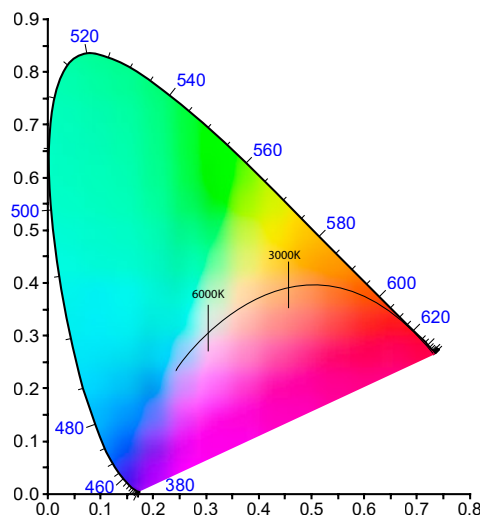
The CrystalColor colours

The most common LED engines are included in the product overview. The LED engines are made in such a way that the skin colour of visitors always looks good and healthy. The fixed colours red, orange, amber, yellow, green, cyan, blue, royal blue and violet are also available. These colours are directly generated from the LED crystals.

For the lighting designer

With the CrystalColor series lighting designers have the unique possibility to determine for each fixture which colours of LEDs are put in that fixture. The lighting designer can decide for him/herself how the light colour is composed and how the light should be matched to the objects to be illuminated. The CrystalColor 7 & 5 have room for 6 or 18 freely selectable LEDs. You can choose from:

Colour		Wavelength in Nanometer (NM)	
		Minimum	Maximum
Red		624	634
Red-Orange		614	624
Amber		583	595
Yellow		577	583
Green		520	545
Cyan		490	510
Blue		464	485
Royal blue		440	464
Violet (blacklight)		410	430



Graph 2: Brilliant colours

Demo on location?

Nothing is more convincing than a practical demonstration. WaterVision has a team that can demonstrate the effect at your own location. Interested? Please contact us at: **+31(0)35 5387959**



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MORE LIGHT LESS WORRY



“Your water park, sauna or swimming pool can get a completely different look from one moment to the next and can be adapted to the target group, the activity, the theme, the time of day, the time of the year “

The light control

The WaterVision CrystalColor spots are controlled with a DMX controller that can be operated by using a control panel; the WaterVision ColorComposer. The modern ColorComposers are available in three versions, supplied by WaterVision ready-made and fully pre-programmed to your needs.

Colour change programmes

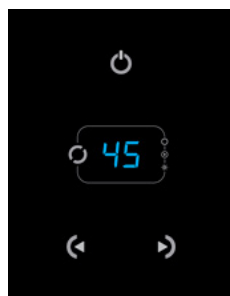
WaterVision supplies standard colour change programmes, in which the intensity of the lighting effect is constant, optimising the view of the swimmers during the change. This prevents supervisors from becoming tired too quickly. Would you prefer a different type of colour change? No problem, anything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

Color Composer Mini



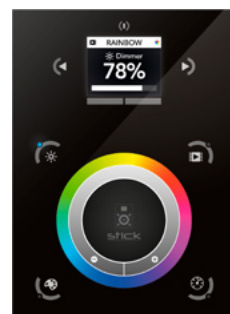
- 24 scenes, 1 zone
- 128 DMX channels
- USB input
- 3 touch buttons
- Measurements: 86 x 86 x 11 mm

Color Composer99



- 99 scenes, 1 zone
- 512 DMX channels
- USB input
- 4 touch buttons
- Measurements: 86 x 110 x 11 mm

Color Composer500



- 500 scenes, 10 zones
- 1024 DMX channels
- USB and Ethernet inputs
- Built-in clock and calendar
- Network communication
- Measurements: 106 x 146 x 10 mm

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MORE LIGHT LESS ENERGY

Ready to order? This is very easy:

We have made the following item lists for the CrystalColor series LED lamps. When ordering you must make the following choices:

- Item number
- Beam angle: 12°, 30°, 50°, 80°, 160°
- Cable length: 2 metres is standard. Longer is possible in lengths of 5 metres



Item list CC5 - Series 2024

Description	W*	lm*	Itemnr.
WHITE			
LED-Spot, Cool White 6000K	60	up to 9.000	V5107049
LED-Spot, Neutral White 4000K	60	up to 9.000	V5107050
LED-Spot, Warm White 3000K	60	up to 9.000	V5107051
SUNSET			
LED-Spot, Sunset	60	up to 7.500	V5107052
LED-Spot, Sunset Medium Light	60	up to 7.500	V5107053
LED-Spot, Sunset Light	60	up to 7.500	V5107054
LED-Spot, Sunset Gold	60	up to 7.500	V5107055
COLORMOTION (RGBW)			
ColorMotion5 LED, RGBW	60		V5107048



Item list CC7 - Series 2024

Description	W*	lm*	Itemnr.
WHITE			
LED-Spot, Cool White 6000K	20	up to 3.600	V7106002
LED-Spot, Neutral White 4000K	20	up to 3.600	V7106003
LED-Spot, Warm White 3000K	20	up to 3.600	V7106004
SUNSET			
LED-Spot, Sunset	20	up to 3.000	V7106005
LED-Spot, Sunset Medium Light	20	up to 3.000	V7106006
LED-Spot, Sunset Light	20	up to 3.000	V7106007
LED-Spot, Sunset Gold	20	up to 3.000	V7106008
COLORMOTION (RGBW)			
ColorMotion7 LED, RGBW	20		V7106001

The same range is available for saunas up to 100 °C, but with lamps that have been adjusted. Ask about various options. Furthermore, every conceivable colour is possible on request.

LEDs and lenses in the fixture

The CrystalColor7 has room for 4-6 lenses or reflectors of 20 mm. The CrystalColor5 has room for 12-18 lenses or reflectors of 20 mm. Both fixtures can be integrated with diffusers, optical films or windows. The basic range of beam angles can be found here.

Beam	Angle	Type
Narrow Beam	Circa 12°	Collimator
Medium Beam	Circa 30°	Collimator
Wide Beam	Circa 50°	Collimator
Extra Wide	Circa 80°	Reflector
Spreader	Circa 160°	Optical film or window

The CrystalColor lights are also available in fixed frames with integrated drivers. Can be connected directly to the mains. Below you will find the item lists:



Item list CC5-4 Maxilux (230V)

Itemnr.	Description	W*	Lm*
V5147051	LED spot, Warm White 3000K	240	up to 36.000
V5147050	LED spot, Neutral White 4000K	240	up to 36.000
V5147049	LED spot, Cool White 6000K	240	up to 36.000
V5147052	LED spot, Sunset	240	up to 30.000
V5147053	LED spot, Sunset Medium Light	240	up to 30.000
V5147054	LED spot, Sunset Light	240	up to 30.000
V5147048	ColorMotion5-4 LED RGBW	240	



Item list CC5-2 Maxilux (230V)

Itemnr.	Description	W*	Lm*
V5127051	LED spot, Warm White 3000K	120	up to 18.000
V5127050	LED spot, Neutral White 4000K	120	up to 18.000
V5127049	LED spot, Cool White 6000K	120	up to 18.000
V5127052	LED spot, Sunset	120	up to 15.000
V5127053	LED spot, Sunset Medium Light	120	up to 15.000
V5127054	LED spot, Sunset Light	120	up to 15.000
V5127048	ColorMotion5-2 LED RGBW	120	

OPTIONS AND ACCESSORIES

Mounting frame



Itemnr. V0058 (CC7) Art-Nr. V0143 (CC5)

Surface-mounted bracket with ceiling plate



CC7 (ø130) CC5 (ø178)

Magnet for CC5 en CC7



Itemnr. V0057 (ø80mm)



80 Watt Driver



Itemnr. V0005 (254 x 180 x 62mm)

320 Watt Driver



Itemnr. V0069 (400 x 200 x 80mm)

590 Watt Driver



Itemnr. V0128 (400 x 300 x 120mm)

Electrical mounting options

All CrystalColor LED engines have an onboard driver and can be connected to a 24-30V grid. The CrystalColor series are also available with a dim option. In that case the connecting cable has a 3rd wire. The CrystalColor lamps are easily connected with each other by means of a smart plug construction.

CrystalColor plug construction



(*) Principles

- 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, which must be calculated and taken into account. The wattage may deviate by approx. 10% from the values indicated.
- The lumen value of a number of colours when measured may turn out to be lower in practice as experienced by the viewer. This is because the lumen metres do not measure the full spectrum of light, but are limited by a number of colour ranges which are measured. The lumen value is calculated by interpolation.

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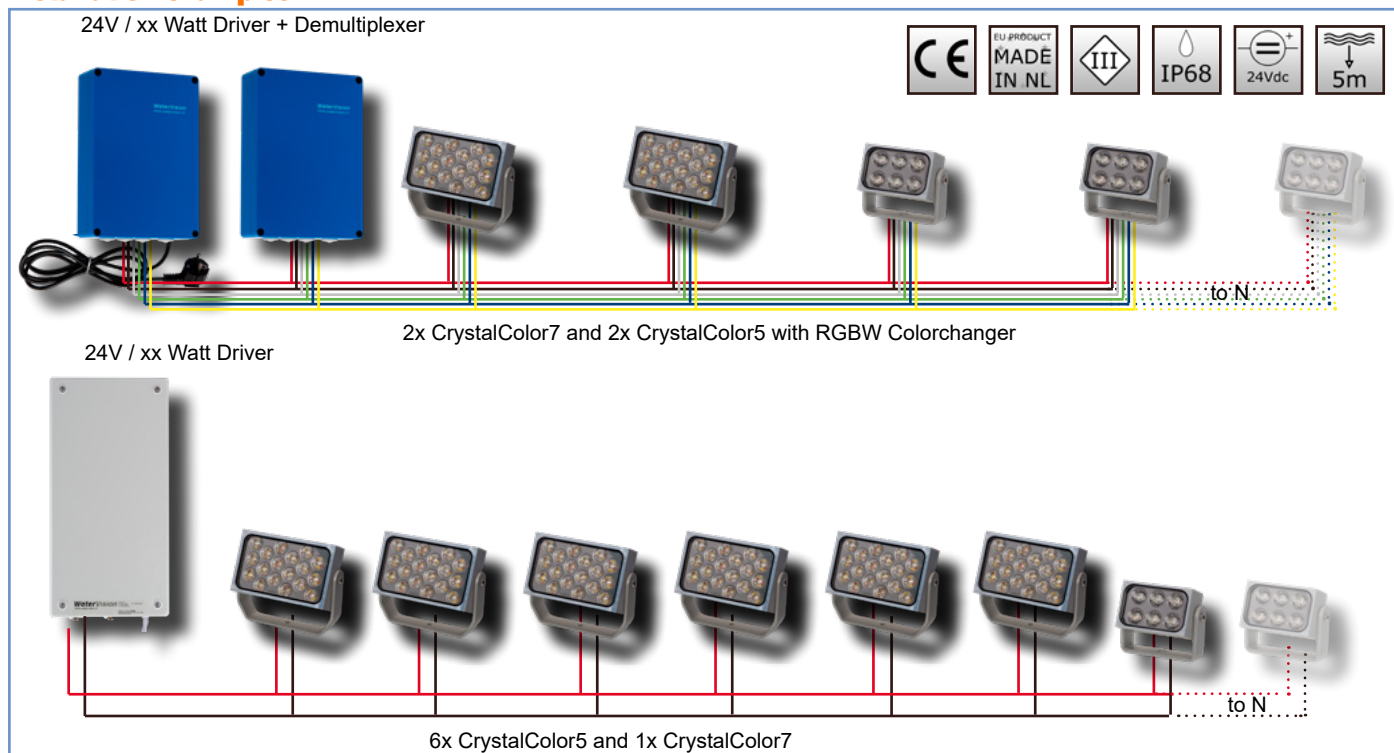
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Technical specifications

Item	Value
Operating voltage	24V (DC)
LED driver	Integrated into the lamp housing
Output	CrystalColor 5: 60 Watt CrystalColor 7: 20 Watt
Light output	up to 180 lm/W*
Application	Swimming pools, saunas, fountains, bridges, facades, aerospace, cars, vehicles, cranes, locks, horticulture, agriculture and industrial applications.
Light colors	See part list below. All other colors on request.
Ambient temperature (C)	-20° to +42° (standard). Temperatures up to 110° on request.
Safety features	Multiple safety features protect against overheating, voltage peaks and electromagnetic influences. Impact and vibration-proof. Not suitable for chlorinated water.
Cable	2 m (standard), 5, 10, 15, 20 and 25 m x 2x1 mm ² . Cable sheath Ø6 mm.
Material	Solid aluminium with impact-resistant polycarbonate light window (8 mm)
Optics	12°, 30°, 50°, 80°, 160°, elliptical 50°x12°
Dimensions	CC 5: 151 mm x 94 mm x 58 mm CC 7: 90 mm x 55 mm x 55 mm
Installation	- Mounting bracket (standard), - Ceiling frame for flush mounting - Footplate
Dimmable	Optional

Item	Value
Safety class	III
Warranty	2 years
Conformity	CE
Country of origin	The Netherlands
<p>Dimensions of housing</p> <p>CrystalColor 5</p> <p>CrystalColor 7</p>	

Installation examples





The Netherlands

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