

# HELIOS<sup>+</sup>

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## 19Z

RGBW

15W  
LEDs11-58°  
ZoomPixel  
Control

The Helios+ 19Z is an impressive fixture. Its single LED's can be controlled individually or in groups. Due to this feature it is possible to create great pixel effects. Preinstalled patterns are also available.

The Helios+ 19Z has a very fast and smooth zoom function. Furthermore it is equipped with 19 x 15 Watt RGBW high class LEDs by Osram® which create an enormous light output. As a special feature the Helios has a light band which can be controlled in 8 zones. With this light band additional colour gradients and effects can be generated.

**Features:**

- 19x 15 Watt Osram® RGBW LEDs
- 11° to 58° zoom
- individual LED control
- Light band with eight zones

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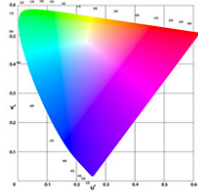
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## SteadyColor™ Dimming



The advantage of the RGBW LED technology is mixing every color to get a wide variety of colors. Furthermore it is a challenge to remain the same mixed colors also if the total brightness changes, because the single color-LEDs have different brightness and cannot be simply dimmed linearly. With the new EHRGEIZ SteadyColor™ Technology we enable the mixed colors to remain the same at each dimming level. No more color shifts by dimming in unwanted shades or adjustment of the single colors.

## Quality Colors



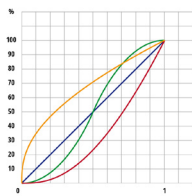
The Helios+ 19Z uses the well-established and powerful 15W Osram® Ostar RGBW LED. The primary colors (red @ 632nm, true green @ 520nm and deep blue @ 453nm) create a very wide color gamut. All fixtures are calibrated to achieve an equal lighting output for every fixture.

## ConsistentColor™ Zoom Optic



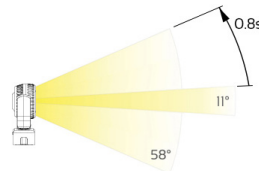
The Helios+ 19Z optic is unique and specially manufactured. An zoom range from 11° to 58° and although a uniform color reproduction of the figure. The new EHRGEIZ ConsistentColor™ zoom optic leaves nothing to be desired and represents the perfect balance between output and homogeneity. With this optic there are no longer coronas or color shifts.

## Dimming Curves



There are four main dimming curves which are used in most of our devices to achieve a dimming the user wants. We have a linear dimming as well as three optimized curved dimming. All are precise and smooth in their way of dimming as well with the new and unique SteadyColor™ dimming it is a pleasure to work with.

## Rapid Zoom



The excellent light performance with the ConsistentColor™ Zoom Optics gives you now the flexibility to use any beam degree you want. The zoom speed works rapidly and makes a full travel in 0.8 seconds as well as nice and slow movement.

## Patterns



Every LED can be controlled individually and you can create amazing effects with it. With the included Pattern function it is now even easier to create compelling visual effects with very few channels and keep the hard programming work behind you. In addition, an innovative light band with 8 zones for extraordinary effects is available.

## Light source

- 19x 15 Watt class RGBW LED
- Rated lumen output : 7.600 lm
- LED Life Expectancy: approx. 50.000 hours

## Optical system

- ConsistentColor™ Zoom Optics
- Rapid Zoom with 0.8s maximum speed
- Beam angle 11°- 58°

## Functions

- RGBW, 8 or 16 bit color mixing
- SteadyColor™ Dimming
- Seamless CTO
- Virtual color wheel with 39 colors including whites (2.700 K, 3.200 K, 4.200 K, 5.600 K, 7.200 K and 8.000 K)
- Individual LED colors control
- Individual shutter/dimmer for each LED
- Pattern effects with variable speed
- High resolution dimmer 0-100%
- Selectable dimmer curves
- Strobe with variable speed (max. 20Hz)
- Pre-programmed random strobe & pulse effects

## Movement

- High precision 2 phase stepping motors
- 16-bit Pan/Tilt control
- Position feedback
- Pan and Tilt movement range: 540°/270°

## Thermal

- Maximum ambient temperature: 45° C (113° F)
- Intelligent fan control
- 4 fan modes

## Control and programming

- Setting & Addressing: 2x 16 characters LC display & 4 buttons
- Protocols: USITT DMX-512, Art-Net 3
- Control channels: 15, 22, 31, 59, 137, 165
- 5 DMX protocol modes
- 3-editable programs, each up to 25 steps
- Stand-alone mode
- Art-Net Node function
- Firmware update via DMX-line
- DMX In/Out: Neutrik XLR-3, XLR-5
- Power In/Out: Neutrik powerCON®
- Art-Net : Neutrik etherCON®

## Electrical Specification

- Electronic switching power supply with auto-sensing
- Input voltage: 100-240V AC, 50/60 Hz
- Max. power consumption: 350 W
- Fuse protection : T10A (6.3x 32 mm)

## Mechanical Specification

- Height: 398,5 mm (15.68")
- Width: 320 mm (12.59")
- Depth: 158 mm (6.22")
- Weight: 7.4 kg (16.31 lbs)

## Rigging

- Centered M10 insert nut
- Two 1/4th turn mounting inserts for omega bracket
- 2 attachment points for safety wire

## Included accessories

- Omega bracket
- Cable powerCON/Schuko

## Accessories

- Case for 6x Helios+ 19Z