![CLAYPAKY - AN OSRAM BUSINESS logo]

K-EYE S20 HCR is a static LEDwash light which provides total control over the quality of all forms of white or colored light. The new HCR technology used in the K-EYE is an exclusive electronic platform developed by Claypaky in conjunction with Osram to meet the needs of lighting designers all over the world who were not fully satisfied with the performance of LED devices in comparison with traditional lamps, in particular because of their incomplete color range, poor color rendering index and lack of consistency. All these limitations have been overcome in the K-EYE HCR, and it is finally possible to produce every color, every nuance and every shade with satisfactory quality. The heart of the K-EYE HCR wash light is a LED light source consisting of a module with six colors: besides the three "classic" basic red, green and blue colors, Claypaky has added amber, cyan and lime. This exclusive Claypaky device provides a very wide color range with excellent color spectrum coverage.

- Advanced static LEDwash light - Light sources: 32 LED modules
- 6-color LED module: RGB + Amber + Cyan + Lime
- Rated LED module average lifetime: 50,000 h
- CRI > 97 (up to 99) - 2500K-8000K color temperature correction
- Control of the colors: RAW mode, HSL mode, RGB mode, CMY mode.
- Dedicated color macro channel
- Software algorithm by Osram
- 6°- 50° linear zoom - Electronic linear dimmer, 16 bit
- Optional frame for external gels and frost filters
- Optional top hat
- Protocols/Functions: RDM, Web Server and ArtNet
- Totally flicker free
- Very Silent

POWER SUPPLIES
100/240V 50/60 Hz

INPUT POWER
500VA

LIGHT SOURCE
Light sources: 6-color LED modules
LED module: R+G+B+Amber+Cyan+Lime
Number of LEDS: 32
LED life expectancy: min. 50,000h
Typical lumen maintenance: 70%@50,000 hours
Typical CRI value > 97 up to 99

OPTICS
Optics featuring 6-color LED module system + rod-bar mixing system + front lens
6°- 50° linear electronic Zoom

COLOR SYSTEM
Color system: R+G+B+Cyan+Amber+Lime LED module
Color Temperature control: Linear from 2500K to 8000K (CTO controlled mode plus RAGCB correction)
Control of the colors: RAW mode, HSL mode, RGB mode, CMY mode
- RAW mode Enable specific control of each color
- HSL mode function is based on algorithm. HSL parameters: HUE, HUE fine, Saturation, Crossfade, Path, Tint
- RGB mode The projectors works in the same way as a classical RGB fixture
- CMY mode The projectors works in the same way as a classical CMY fixture
Halo Emulation 750W, 1000W, 1200W, 2000W, 2500W lamp emulation
Gamma Wave: Different chromatic curves for each color
Macro: Dedicated color macro channel with 80 preselected colors

EFFECTS SECTION
Electronic and linear dimmer, 16 bit
Strobe 24 flash/sec. Electronic, instant open and blackout. Variable speed pulsation

CONTROL AND PROGRAMMING
27 DMX 512 control channels
Control signal: USITT DMX 512
Protocols: RDM, WebServer and Art-Net
Display: Graphic LCD backlit b/w display
Display battery: Long life self-charging buffer battery
Pan/Tilt Resolution 16 bit
Dimmer Resolution 16 bit
Movement control: vectorial
DMX signal connection: 3 and 5 pole XLR input and output
Firmware update: Software upload through DMX input

K-EYE S20 HCR - Specifications

BODY

Structure in aluminum with die-cast plastic cover
Optional frame for external gels and frost filters
Optional top hat (adjustable with the Zoom movement)

ELECTRONICS

Long-life auto-charging buffer battery
Preset color and graphic effect macros
Function reset controllable from a central control unit
Menu-driven internal self-test function
Electronic check-up of every single parameter with error alarm
DMX level monitoring on each channel
Automatic internal data transmission error diagnostics
Firmware upgrade with no power
Firmware transfer from one light to another

SAFETY DEVICES

Minimum distance of illuminated objects: 0.2 meters (8")
Minimum distance from flammable materials: 0.2 meters (8")
Max ambient temperature: 40°C (104°F)
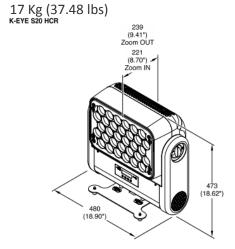Max temperature of the external surface: 90°C (194°F)
Bipolar circuit breaker with thermal protection
Automatic break in power supply in case of overheating
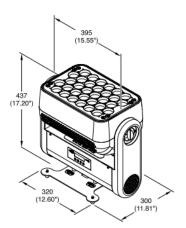Forced ventilation with axial fans

CE MARKING

In conformity with the European Directives:
• 2014/35/EU - Safety of electrical equipment supplied at low voltage (LVD)
• 2014/30/EU - Electromagnetic Compatibility (EMC)
• 2011/65/EU - Restriction of the use of certain hazardous substances (RoHS)
• 2009/125/EC - EcoDesign requirements for Energy-related Products (ErP)

WEIGHT

17 Kg (37.48 lbs)

K-EYE S20 HCR - Specifications