

# HALO RGB™ / HALO Driver™

Halo - a new exciting dimension in led pixel lighting for stage and set.

A circle of encapsulated bright micro-pixel led's, mounted on a standard size Parcan colour frame, Halo can bring the classic fixtures back into the latest lighting designs or be used alone to add many new dimensions and effects.

Controlled via DMX, the operator can quickly and simply program the most sophisticated effects using the internal content generator or switch to display pixel mapped video content.



The system consists of 6 frames of RGB led's and a 6 way data controller/driver in the familiar colour-scroller truss-hanging format.

The system is interconnected using the industry standard 4pin XLR scroller cables that are already part of most lighting company inventories.



192x high intensity RGB LED multichip



N/A



Viewing angle 160 Deg



zone pixel control, color rainbow effect, strobe effects, Pre-programmed pixel effects with color, dimming and strobe chases, waves and pulses at variable speed and directions

# Technical Specification

## SOURCE

- Light source type: 192 x high intensity RGB LED multichip
- Led Life Expectancy: minimum 10.000 hours
- Typical Lumen Maintenance: 70% @ 10.000 hours
- LED color variants: RGB

## OPTICAL SYSTEM

- Efficient component optics
- Viewing angle 160 Deg

## DYNAMIC EFFECTS

- Colour mixing: RGB
- Individual control of each RGB pixel
- 2 layer personality enabling x-fade, snap or mix between effects / states
- Color rainbow effect with variable speed
- Pre-programmed pixel effects with color, dimming and strobe chases, waves and pulses at variable speed and directions
- Dimmer
- Strobe effect with variable speed

## CONTROL AND PROGRAMMING

- Protocols: USITT DMX-512
- DMX protocol modes: 4
- Control channels: 3, 3, 24, 456
- R, G, B colors: 8-bit
- Dimmer: 8-bit

## THERMAL SPECIFICATION

- Maximum ambient temperature: 40 °C (104 °F)
- Maximum HALO RGB surface temperature: 70°C (158 °F)
- Maximum HALO Driver surface temperature: 50 °C (122 °F)

## ELECTRICAL SPECIFICATIONS AND CONNECTIONS

1. Power supply: Electronic auto-ranging
  2. Input voltage range: 100-240 V, 50-60 Hz
  3. Power consumption: 100 W / 50-60 Hz, 15 W per. HALO RGB frame
  4. HALO RGB™
    - Locking 4-pin XLR
    - Combined power / data input
- HALO Driver™
    - Number of LED ports: 6 (Locking 4-pin XLR, female)

- Data in/out: Locking 5-pin XLR
- Power in/out: Neutrik powerCON TRUE1

## MECHANICAL SPECIFICATION

### 1. HALO Driver™

- Height: 361 mm (14.2")
- Width: 168.5 mm (6.6")
- Depth: 93 mm (3.7")
- Weight: 3.8 kg (8.4 lbs)

- HALO RGB™

- Height: 255 mm (10.0")
- Width: 255 mm (10.0")
- Depth: 59.7 mm (2.35")
- Weight: 1 kg (2.2 lbs)

## RIGGING

### 1. HALO RGB™

- Fits to PARcan64 gel frame holder
- Can be merged to digital canvas via 8 mounting holes

- HALO Driver™

- 1 x Omega bracket
- 1 x safety attachment point

## ACCESSORIES

- Safety wire: 99011957
- Connection wire: 99015184
- Mains Cable powerCON TRUE1 In/Schuko, 2m, Indoor: 13052405
- Mains Cable powerCON TRUE1 In/US, 2m, Indoor: 13052406
- Mains Cable powerCON TRUE1 In/CEE 16A, 2m, Indoor: 13052445
- Mains Cable powerCON TRUE1 In/Open ended, 2m, Indoor: 13052407
- Daisy Chain powerCON TRUE1 In/Out, EU, 2m, Indoor: 13052439
- Daisy Chain powerCON TRUE1 In/Out, US, 2m, Indoor: 13052440
- Daisy Chain powerCON TRUE1 In/Out, EU, 5m, Indoor: 13052444
- HALO frame adaptor for ROBIN ParFect 150: 10980348
- HALO frame adaptor for ROBIN ParFect 100: 10980316
- HALO frame adaptor for S4 7.5 x 7.5 holder (for ETC): 10980366
- HALO frame adaptor for S4 6.25 x 6.25 holder (for ETC): 10980367
- Data cable 4-pin XLR 10m, EU, outdoor: 13051800
- Data cable 4-pin XLR 5m, EU, outdoor: 13052531

- Data cable 4-pin XLR 10m, US, indoor: 13052665
- Data cable 4-pin XLR 5m, US, indoor: 13052666
- HALO SET Top Loader Case (6x Halo RGB + 1x HALO Driver): 10120204

**APPROVALS**

- CE Compliant
- cETLus Compliant (pending)

**INCLUDED ITEMS**

- User Manual

**LEGAL**

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