

Otello 6 FullSpectrum HD-R

Last update:
24/10/2025



Otello 6 HD-R with 8 leaf barndoor

Introducing

● Developed to offer the best solution in the stage lighting field focussing on **theatre and TV studios applications**, Otello Led Fresnel incorporates all traditional characteristics of a Fresnel light such as the **distinctive soft-edged** and **very wide beam** and the **smooth and homogeneous light field**.

The improved **HD electronic** with an advanced LED controller guarantees a smooth 20 bit dimming and a superlative **color mixing**.

Next to the traditional manual or P.O. option, Otello offers an optional motorized zoom, which together with a modern design and Oled display with on-board selector for quick setting represents the state of the art in terms of LED Fresnel range. The family consists of 2 fixtures with lenses of 150 mm (5,9 inch) and 200 mm (7,87 inch). All variants include COB, VariWhite, Studio and FullSpectrum 6 LEDs in 3 power steps.

● **FullSpectrum** : 2.700 – 20.000 K (CRI average > 95); Red, Green, Blue, Cyan, Lime, Amber color mixing with Green-Magenta adjustment

● **VariWhite | Tungsten | Daylight**: white engines with the Tungsten and Daylight COB LED calibrated respectively at 3.000 K and 5.600 K CCT and a tunable white source ranging from 2.800 to 6.500 K (CRI > 94) for the VariWhite version

Key Features



- Red, Green, Blue, Cyan, Lime, Amber light source, 20 bit color mixing
- Green-Magenta adjustment
- Color mixing with hue and saturation control



- High CRI 97 @ 3.200 K, CRI 96 @ 5.600 K



- CCT from 2.700 K to 10.000 K (through DMX Chart) or up to 20.000 K (through Display)



- Fresnel lens (diameter: 150 mm / 5.9 in)
- Zoom range from 9° to 68° half peak angle
- Available with Manual or Motorized Zoom



- Extruded aluminum, flame-retardant technopolymer reinforced with fiberglass



- Custom color on request (optional)



- Manual (standard) or Pole Operated Pan-Tilt (optional)

General	
● LED Source	RGBCLA COB LED (Red, Green, Blue, Cyan, Lime, Amber) - Color mixing with hue and saturation control
● CCT Range	● ● ● ● ● CCT from 2.700 K to 10.000 K (through DMX) or up to 20.000 K (through Display)
● Color Rendition Average	CRI 97 @ 3.200 K, CRI 96 @ 5.600 K
● Dimming	8 or 16 bit, 6 selectable curves: Exponential, Logarithmic, Linear, Halo, Standard and S
● Dimming Smooth Selection	Fast, Slow and Very Slow
● Strobe	Electronic strobe, synchronized, random, pulse effect
● Lens	Glass Fresnel lens (diameter: 150 mm / 5.9 in)
● Optical	Zoom range from 9° to 68° half peak angle (motorized, manual or PO zoom available)
● Green-Magenta adjustment	Continuously adjustable (Full Minusgreen to Full Plusgreen)
● Color saturation function	Generated colors fades to White tone selected with the CCT channel
● Dim to Warm function	Halogen lamp dimmer simulation
● Camera flicker control/Hz range	Yes: 20.000 Hz
● Calibrated Cob	Yes
● L80 Rating (hours to 80% output)	50.000 Hours
Electrical	
● Voltage Input	80-264V, 50-60 Hz, Auto-sensing
● Power Consumption	190 W Maximum - 0.84 A at 230V, 1.68 A at 115V - $\cos\phi$: 0.98 (manual / P.O. zoom) 200 W Maximum - 0.88 A at 230V, 1.77 A at 115V - $\cos\phi$: 0.98 (motorized zoom)
● Power Connection	In and Out PowerCON TRUE1 Top connectors to feed up to 8 (at 230V) or 4 (at 115V) fixtures
● Data Connection	In and Out DMX 5 pin locking XLR connectors
Thermal	
● Ambient Operating Temperature	0°C - +40°C (32°F - 104°F)
● Fan (controllable)	Yes, 4 different settings: Silent, Studio, Auto, DMX Regulated
Control Options	
● Protocols	DMX512A, RDM (Remote Device Management), Wireless (Optional By LumenRadio)
● RDM configuration	Yes
● DMX Channels	Manual / PO zoom version: 16 / 7 / 1 / Studio mode / RGB mode / fine RGB mode / Sunrise mode Motorized zoom version: 17 / 8 / Studio mode / RGB mode / fine RGB mode / Sunrise mode
● Display	Graphic OLED with on-board selector for quick setting
● Firmware upgrade	Through DMX with RDM Upgrade USB interface (code AC10011A001)
Physical	
● Yoke	Manual (standard) or Pole Operated Pan-Tilt (optional)
● Materials	Extruded aluminum, flame-retardant technopolymer reinforced with fiberglass
● Weight	With Manual Yoke: 9.5 Kg / 20.94 lbs - With Pole Operated Yoke: 11 Kg / 24.25 lbs
● Length	425.6 mm / 16.76 in
● Width	With Manual Yoke: 277.7 mm / 10.93 in - With Pole Operated Yoke: 370 mm / 14.56 in
● Height without yoke	267.3 mm / 10.52 in
● Height with yoke	With Manual Yoke: 384.2 mm / 15.13 in - With Pole Operated Yoke: 558 mm / 21.96 in
● IP Rating	IP20
● Color options	Black (standard), custom color on request (optional)
Included accessories	
BC10044A001	8-Leaf Barndoor
GKIT17 (USA) / GKIT16 (EU)	1.5 m power cable with PowerCON TRUE1 Top and bare ends
BC10044A005	Color frame holder



Otello 6 HD-R (manual zoom)
Rear Panel with the new OLED display



Otello 6 HD-R with
Pole Operated Yoke and Pole Operated
Zoom

Otello 6 HD-R PO version / Rear Panel

DMX Charts - Manual version

16 Channels

- 01 → Master Dimmer
- 02 → Red
- 03 → Green
- 04 → Blue
- 05 → Cyan
- 06 → Lime
- 07 → Amber
- 08 → Strobe Effect
- 09 → Dimmer Fine
- 10 → Special Functions
- 11 → Red Tone
- 12 → Green Tone
- 13 → Blue Tone
- 14 → White Tone
- 15 → Green Saturation
- 16 → Saturation

7 Channels

- 01 → Master Dimmer
- 02 → Red
- 03 → Green
- 04 → Blue
- 05 → Cyan
- 06 → Lime
- 07 → Amber

Studio Mode

- 01 → Master Dimmer
- 02 → White Tone
- 03 → Green Saturation
- 04 → Saturation
- 05 → Hue
- 06 → Dimmer Fine
- 07 → Special Functions

1 Channel

- 01 → Master Dimmer - Color
Temperature Settable by Display

RGB Mode

- 01 → Master Dimmer
- 02 → Dimmer Fine
- 03 → Red
- 04 → Green
- 05 → Blue
- 06 → White Tone
- 07 → Saturation
- 08 → Strobe Effect
- 09 → Special Functions

Fine RGB Mode

- 01 → Master Dimmer
- 02 → Dimmer Fine
- 03 → Red
- 04 → Red Fine
- 05 → Green
- 06 → Green Fine
- 07 → Blue
- 08 → Blue Fine
- 09 → White Tone
- 10 → Saturation
- 11 → Strobe
- 12 → Special Functions

Sunrise Mode

- 01 → Master Dimmer
- 02 → Dimmer Fine
- 03 → Proportional CCT
- 04 → Step CCT
- 05 → Green Saturation
- 06 → Special Functions

17 Channels

- 01 → Master Dimmer
- 02 → Red
- 03 → Green
- 04 → Blue
- 05 → Cyan
- 06 → Lime
- 07 → Amber
- 08 → Strobe Effect
- 09 → Dimmer Fine
- 10 → Special Functions
- 11 → Red Tone
- 12 → Green Tone
- 13 → Blue Tone
- 14 → White Tone
- 15 → Green Saturation
- 16 → Saturation
- 17 → Zoom

8 Channels

- 01 → Master Dimmer
- 02 → Red
- 03 → Green
- 04 → Blue
- 05 → Cyan
- 06 → Lime
- 07 → Amber
- 08 → Zoom

Studio Mode

- 01 → Master Dimmer
- 02 → White Tone
- 03 → Green Saturation
- 04 → Saturation
- 05 → Hue
- 06 → Dimmer Fine
- 07 → Special Functions
- 08 → Zoom

RGB Mode

- 01 → Master Dimmer
- 02 → Dimmer Fine
- 03 → Red
- 04 → Green
- 05 → Blue
- 06 → White Tone
- 07 → Saturation
- 08 → Strobe Effect
- 09 → Special Functions
- 10 → Zoom

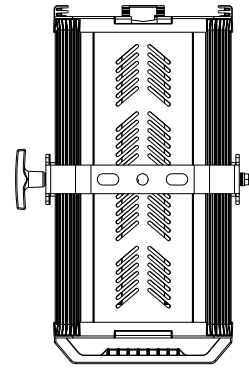
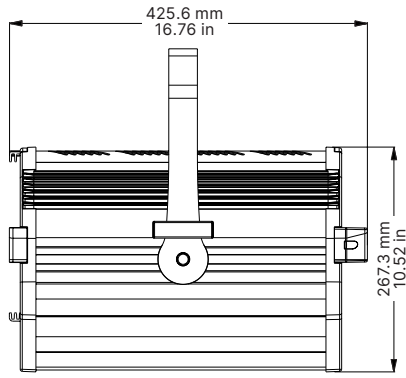
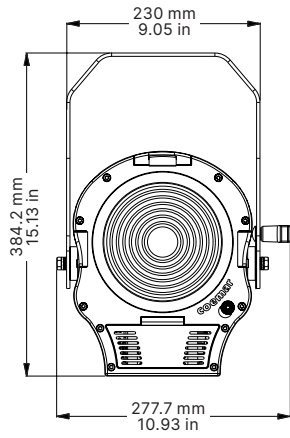
Fine RGB Mode

- 01 → Master Dimmer
- 02 → Dimmer Fine
- 03 → Red
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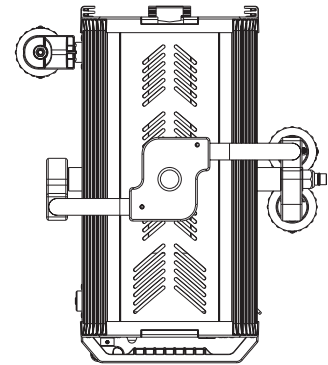
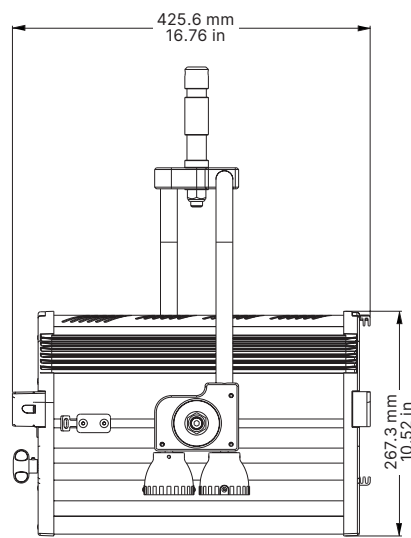
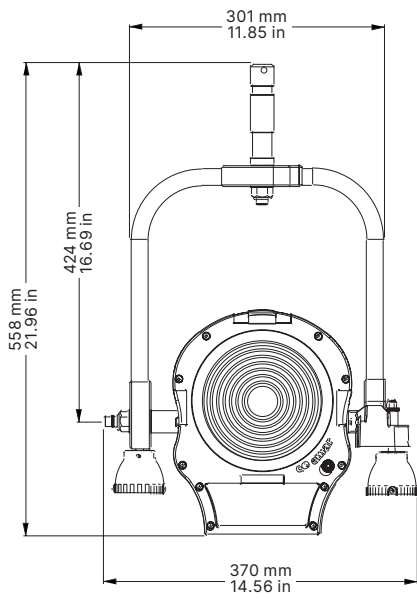
Sunrise Mode

- 01 → Master Dimmer
- 02 → Dimmer Fine
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- 05 → Green Saturation
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Drawing Size - Manual Yoke Version



Drawing Size - Pole operated Yoke Version



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