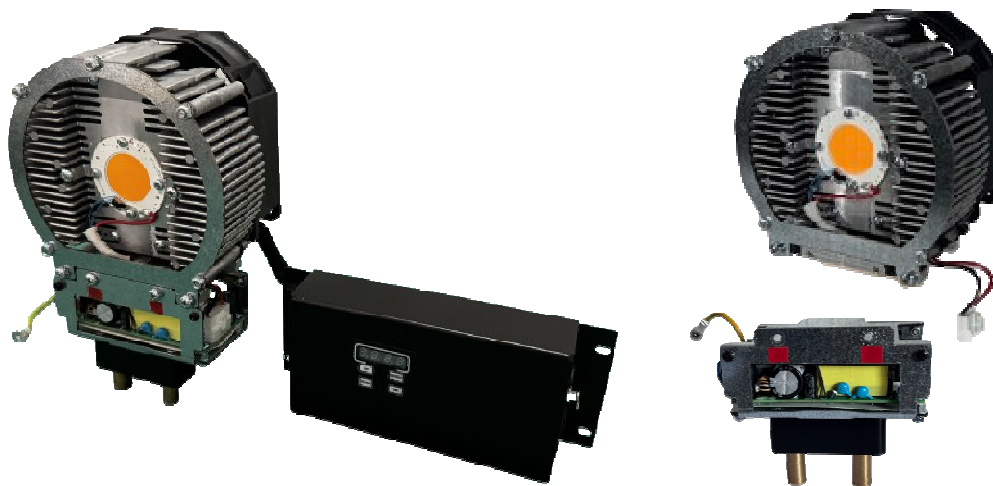


HPLED AR-J C6 “colour RGBACL”

Retrofit for Fresnel Arri Junior 2000



HPLED AR-J C6 Colour is a retrofit module that allows a traditional Arri Junior 2000 W Fresnel with a halogen lamp to be upgraded into an efficient 6-color LED fixture (red, green, blue, amber, cyan, lime). Thanks to the LEDs used, it delivers a very wide color gamut with excellent coverage of the color spectrum. HPLED AR-J C6 has been designed to meet the requirements of the most demanding lighting designers in terms of dimming performance, color mixing, variable white, beam uniformity, and overall light quality. Installation is not particularly complex. By installing the module, it is possible to eliminate traditional phase-control dimmers and obtain direct control of the fixture via DMX 512 signal. With the HPLED AR-J series, operating costs are reduced, including electricity consumption (180 W), air conditioning, maintenance, and lamp replacement—without the need to purchase new LED fixtures. Made in Italy.



General specifications:

- 6-color RGBACL COB LED
- CCT: 2300°K – 10,000°K
- CRI: 93 to 98 depending on the selected white
- LED lifetime (L80, hours at 80% output): 50,000 hours
- 10 selectable white presets via display from 2300°K to 10,000°K
- 30 preset colors selectable via display
- Halogen lamp behavior emulation during dimming
- 4 programmable programs for use without a DMX controller
- 8- or 16-bit dimmer, 4 selectable curves (Quad, Quad2, Scur, Line)
- Flicker-free control for cameras, adjustable from 1 kHz to 10 kHz
- Smooth dimming (Sfast, Fast, Med, Slow)
- Synchronized electronic strobe (0 to 28 Hz)
- Modes: 8 DMX modes (2 ch, 6 ch, 9 ch, 12 ch, 16 ch, 16F ch, HSI, RGB)
- RDM (Remote Device Management)
- Fan control with four speed settings (LOW, MEDL, MEDH, AUTO) from 12 dB to 32 dB
- Display with four control buttons

HPLED AR-J can be installed in the following Fresnel

- Arri Junior 2000 W tungsteno Fresnel

Electrical specifications:

- Power supply: 100–240 V ~ 50/60 Hz, auto-setting
- Power consumption: 180 W, $\cos\phi$ 0.98
- Signal connectors: Neutrik 5-pin XLR (IN and OUT)
- Firmware update: via DMX connectors

Compliance:

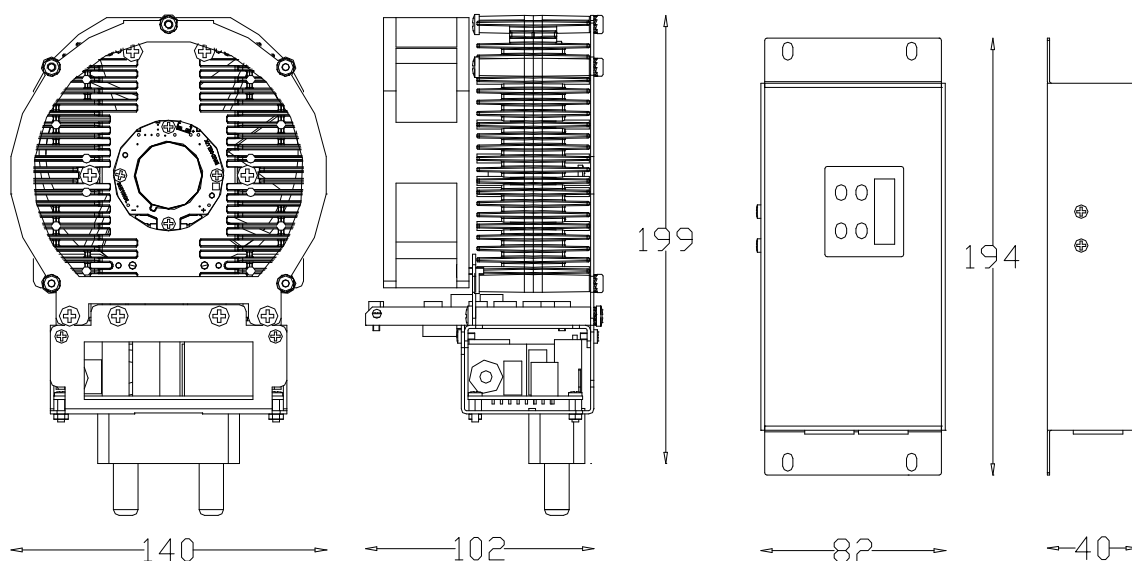
- Compliant with applicable standards 

Thermal specifications:

- (Ta): -10 °C to +35 °C
- Temperature sensor on LED
- Temperature sensor on driver board

Dimensional specifications:

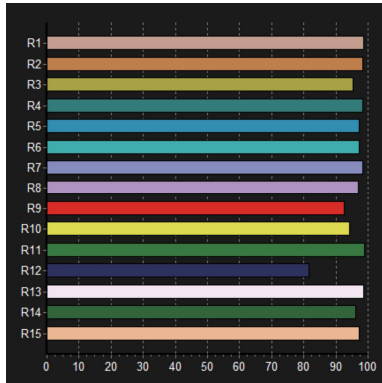
- See drawing:
- Net weight 1,7 Kg
- Packed weight 3,0 Kg
- Packaging volume: 0.015 m³



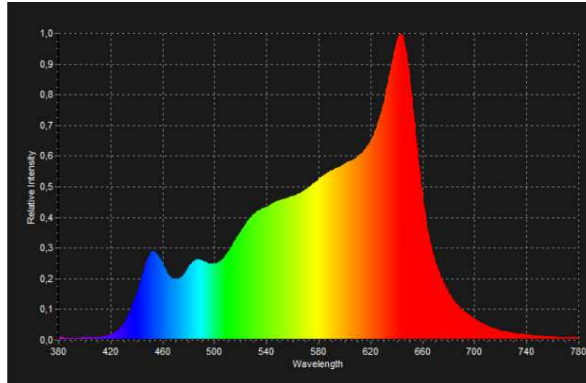
Photometric data LED 3200°K CRI 98

Indicative measurements taken at the center with the fixture powered on for 30 minutes at an ambient temperature of 25 °C.

	Distance m	4 m	6 m	8 m	10 m	12 m	14 m
Arri Junior 2000 zoom 16°	Lux	3.797	1.688	949	608	422	310
	Diameter ø m	1,01	1,51	2,02	2,52	3,03	3,53
Arri Junior 2000 zoom 66°	Lux	500	222	125	80	56	41
	Diameter ø m	4,56	6,84	9,12	11,4	13,68	15,97



White 3200° CRI 98

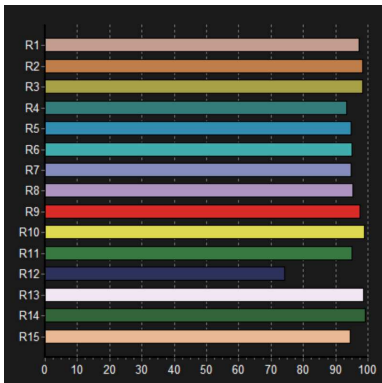


White 3200° Curve

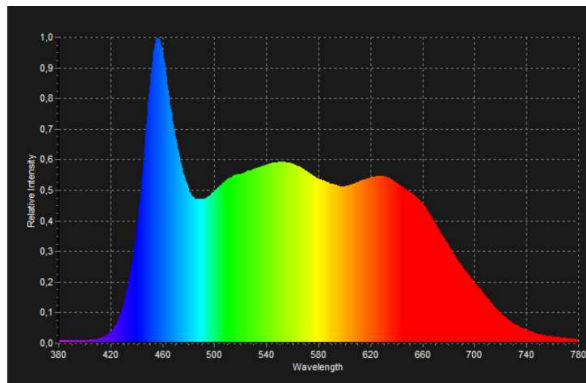
Photometric data LED 5600°K CRI 98

Indicative measurements taken at the center with the fixture powered on for 30 minutes at an ambient temperature of 25 °C.

	Distance m	4 m	6 m	8 m	10 m	12 m	14 m
Arri Junior 2000 zoom 16°	Lux	4.125	1.833	1.031	660	458	337
	Diameter ø m	1,01	1,51	2,02	2,52	3,03	3,53
Arri Junior 2000 zoom 66°	Lux	544	242	136	87	60	44
	Diameter ø m	4,56	6,84	9,12	11,4	13,68	15,97



White 5600° CRI 98



White 5600° Curve

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