◎ coemar

LEDko FullSpectrum Series 2 +

Product code: F111H000A	Last update: 12/04/2023

LEDkoFullSpectrum 2 +
with Profile Zoom 28°-40° Optic

LEDko FullSpectrum Series 2 + with Profile Zoom 28°-40° Optic

Introducing

● Designed with new electronic and a new OLED display, this spot profile projector is the evolution of the FullSpectrum 2. The + electronic with advanced LED controller enables a smooth dimming and it offers and higher luminous efficiency. Very quick setup of the functions thanks to the potentiometer knob

Key Features

● RGBW color mixing with hue and saturation control
● Green-Magenta adjustment

● CCT 3.200 K - 10.000 K Continuously Variable Correlated Color Temperature with color rendering index greater than 90

● LED profile spot
● High lumen flux and flat field

● Swappable lens tubes between 5°–90°
● Soft profiling thanks to Fresnel and PC optics (Coemar patent)

● Four blade framing system, each shutter blade is adjustable for radial position and angle

● Flame-retardant technopolymer reinforced with fiberglass

● Custom color on request (optional)

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

General

● LED Source	RGBW LEDs module - RGBW color mixing with hue and saturation control
● CCT Range	●●●●○ 3.200 K - 10.000 K
● Green-Magenta adjustment	Continuously adjustable from full minus-green to full plus-green- Plus minus green correction
● Dimming	8 or 16bit, 5 selectable curves: Exponential, Logarithmic, Linear, Halo and Standard
● Dimming Smooth Selection	Fast, Slow and Very Slow
● Strobe	Synchronized, random or pulse electronic strobe
● Available Optics	Swappable lens tubes between 5°–90°
● Camera flicker control/Hz range	Flicker-free operation with LEDs frequency controlled via DMX from 600 to 20.000 Hz
● Calibrated Cob	Yes
● L80 Rating (hours to 80% output)	50.000 Hours
● Pattern projection	Yes
● Pattern size	A or B

Electrical

● Voltage Input	90-264 V, 50/60 Hz, auto-sensing
● Power Consumption	200 W Maximum - 0.89 A at 230 V, 1.77 A at 115 V - cosφ 0,98
● Power Connection	In and Out PowerCON TRUE1 Top connectors, 1.5 m (4.9 ft) PowerCon cable without power plug
● Data Connection	In and Out DMX 5 pin locking XLR connectors

Thermal

● Ambient Operating Temperature	0°C - +40°C (32°F - 104°F)
● Cooling	Yes, 4 different settings: Silent, Studio, Auto, DMX Regulated

Control

● Protocols	DMX-512, RDM (Remote Device Management), Wireless (optional by LumenRadio)
● RDM configuration	Yes
● DMX Channels	14 / 8 / 7 / 4 / 1
● Display	Graphic OLED with on-board selector for quick setting
● Software Upload	Through DMX input (With RDM inteface code AC10011A001)

Physical

● Yoke	Manual (standard) or Pole Operated Pan-Tilt (optional)
● Materials	Flame-retardant technopolymer reinforced with fiberglass
● Framing System	Four stainless steel shutter blades in a two-plane assembly, 0.40mm (AISI 316)
● Weight	Body: 6 Kg / 13.23 lbs - With Profile Zoom 28°/40° optic: 8.5 Kg / 18.74 lbs
● Length	Body: 362 mm / 14.25 in - With Profile Zoom 28°/40° optic: 601 mm / 23.66 in
● Height	189 mm / 7.44 in - With bracket: 372 mm/ 14.64 in
● Width	355 mm / 13.97 in
● IP Rating	IP20 (available IP65 LEDko Ext Series)
● Color options	Black (standard), custom color on request (optional)

Included accessories

GKIT17 (USA) / GKIT16 (EU)	1.5 m power cable with PowerCON TRUE1 Top and bare ends
BC10011A106	Metal Gobo Holder

Optics

BC10011A017	Profile Zoom 15°-35°
BC10011A019	Profile Zoom 25°-50°
BC10011A003	Profile Zoom 28°-40°
BC10011A002	Soft Profile Fresnel Zoom 14°-40°
BC10011A001	Soft Profile PC Zoom 11°-38°
BC10011A000	Front Barrel with Burnished Blades
BC10011A041	Lens Tube Profile 5°
BC10011A042	Lens Tube Profile 10°
BC10011A023	Lens Tube Profile 14°
BC10011A012	Lens Tube Profile 19°
BC10011A013	Lens Tube Profile 26°
BC10011A015	Lens Tube Profile 36°
BC10011A016	Lens Tube Profile 50°
BC10011A024	Lens Tube Profile 70°
BC10011A025	Lens Tube Profile 90°

General accessories

BC10034A003	4-Leaf Barndoor for Zoom Fresnel optic
BC10011A006	Magnetic Gobo Holder
BC10011A030	Gobo Holder for Glass Gobo
BC10011A010	Iris
BC10011A049	Gobo Holder for Iris Slot
BC10011A047	Hook Clamp, 48-51 mm (Max Load 20 Kg)
BC10011A045	Light Clamp Silver, 48-51 mm (Max 75 Kg)
BC10011A046	Light Clamp Black, 48-51 mm (Max 75 Kg)
BC10011A043	Clamp Silver Flat 13-30 mm/ø15-50 mm (Max 20 Kg)
BC10011A044	Clamp Black Flat 13-30 mm/ø15-50 mm (Max 20 Kg)
BC10011A100	Wireless Kit (LumenRadio)
BC10011A150	Pole Operated Yoke

Accessories for Profile Zoom 15°-35° and 25°-50°

BC10011A028	Donut (190.5 mm)
BC10011A027	Half Top Hat (190.5 mm)
BC10011A029	Top Hat (190.5 mm)
BC10011A040	Color Frame Holder (190.5 mm)

Accessories for Soft Profile Zoom (Fresnel, PC) and Profile Zoom 28°-40°

BC10011A036	Donut (185 mm)
BC10011A035	Half Top Hat (185 mm)
BC10011A037	Top Hat (185 mm)
ACO4204	Color Frame Holder (185 mm)

Accessories for Lens Tube

BC10011A032	Donut (159 mm)
BC10011A031	Half Top Hat (159 mm)
BC10011A033	Top Hat (159 mm)
BC10011A021	Color Frame Holder (159 mm)

LEDko FullSpectrum 2 + Rear Panel with the new OLED Display

LEDko FullSpectrum 2 + with Pole Operated Yoke

LEDko FullSpectrum 2 + Pole Operated Yoke/Rear Panel

DMX Charts

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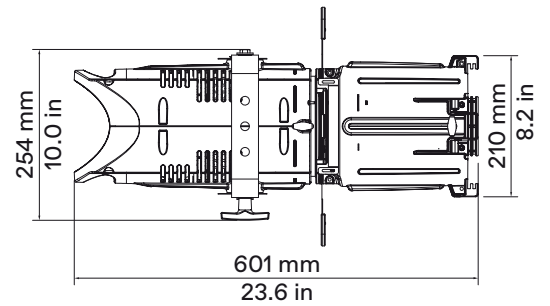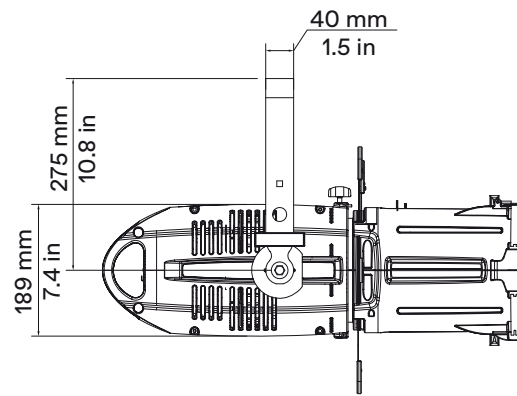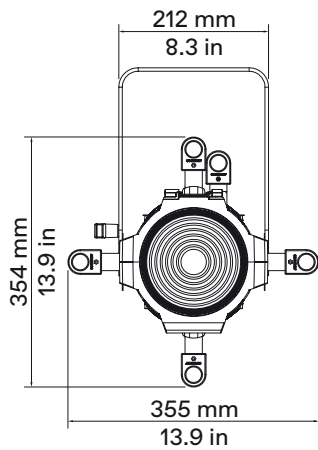10 → Green Tone
11 → Blue Tone
12 → White Tone
13 → Green Saturation
14 → Saturation

8 Channels
01 → Master Dimmer
02 → Red
03 → Green
04 → Blue
05 → White
06 → Strobe Effect
07 → Dimmer Fine
08 → Special Functions

7 Channels
01 → Master Dimmer
02 → Color Temperature
03 → Green Saturation
04 → Saturation
05 → Hue
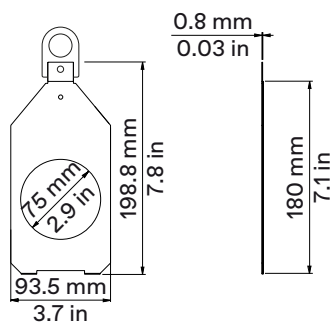06 → Dimmer Fine
07 → Special Functions

4 Channels
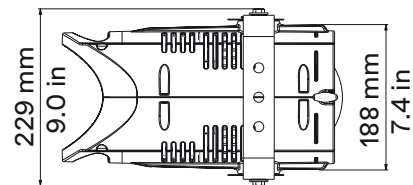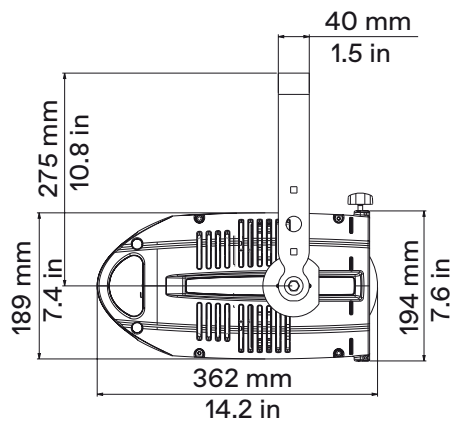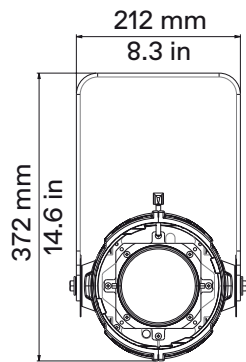01 → Red
02 → Green
03 → Blue
04 → White

1 Channel
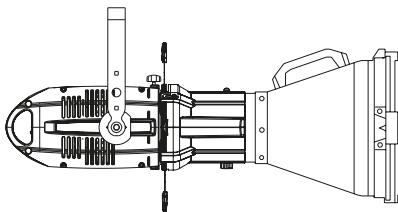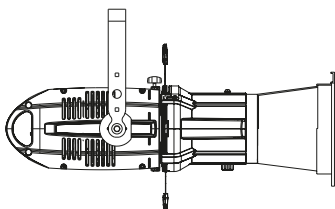01 → Master Dimmer - Color Temperature Settable by Display

212 mm
8.3 in

354 mm
13.9 in

355 mm
13.9 in

40 mm
1.5 in

275 mm
10.8 in

189 mm
7.4 in

254 mm
10.0 in

210 mm
8.2 in

601 mm
23.6 in

* with Profile Zoom 28°/40° optic

212 mm
8.3 in

372 mm
14.6 in

40 mm
1.5 in

275 mm
10.8 in

189 mm
7.4 in

194 mm
7.6 in

229 mm
9.0 in

188 mm
7.4 in

362 mm
14.2 in

0.8 mm
0.03 in

198.8 mm
7.8 in

180 mm
7.1 in

75 mm
2.9 in

93.5 mm
3.7 in

*Standard gobo holder

n° 3 x Ø 13 mm (0.51 in)

20 mm
0.79 in

76 mm
2.99 in
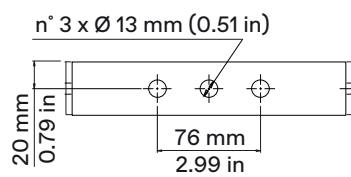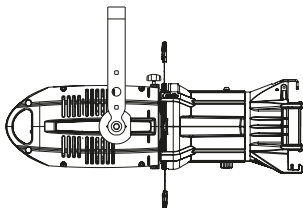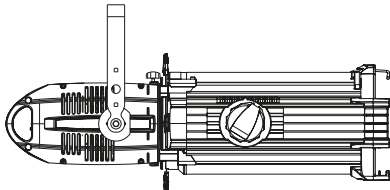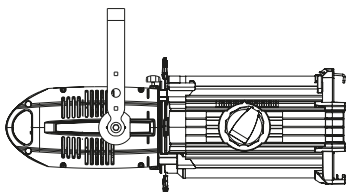
*Yoke
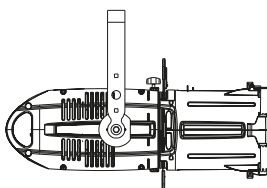
Product	Optics	Length	Weight
	Lens Tube Profile 10°	900 mm (35.4 in)	9 Kg (19.8 lbs)

Product	Optics	Length	Weight
	Lens Tube Profile 14°	750 mm (35.4 in)	9 Kg (19.8 lbs)
	Lens Tube Profile 70°	750 mm (35.4 in)	8.68 Kg (19.14 lbs)

Product	Optics	Length	Weight
	Lens Tube Profile 19°	670 mm (26.3 in)	9.15 Kg (20.17 lbs)
	Lens Tube Profile 26°	670 mm (26.3 in)	9.05 Kg (19.95 lbs)
	Lens Tube Profile 36°	670 mm (26.3 in)	9.35 Kg (20.60 lbs)
	Lens Tube Profile 50°	670 mm (26.3 in)	9.05 Kg (19.95 lbs)

Product	Optics	Length	Weight
	Profile Zoom 15°-35°	886 mm (34.9 in)	13.05 Kg (28.77 lbs)

Product	Optics	Length	Weight
	Profile Zoom 25°-50°	783 mm (30.8 in)	11.2 Kg (24.69 lbs)

Product	Optics	Length	Weight
	Profile Zoom 28°-40°	601 mm (23.7 in)	8.3 Kg (18.3 lbs)
	Soft Profile Fresnel Zoom 14°-40°	601 mm (23.7 in)	7.75 Kg (17.09 lbs)
	Soft Profile PC Zoom 11°-38°	601 mm (23.7 in)	8.25 Kg (18.19 lbs)

Theme Park - Luna Farm project, Bologna, Italy

Product	LEDko FS2
LED source	RGBW
CRI	>90

Broadcast - YouTube space, Rio de Janeiro, Brasil

Product	LEDko FS2
CCT	RGBW
CRI	>90

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● Coemar Lighting S.r.l.

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