



# LEDko EXT FullSpectrum Dual Gobo Rotator +

Product code:  
F128T001A

Last update:  
19/04/2023



LEDko EXT FullSpectrum Dual Gobo Rotator

#### Introducing

● The **LEDko EXT family** has been designed to meet the needs of architects and lighting designers, who were looking for **weatherproof lighting fixtures** suitable not only for temporary, but also for **permanent outdoor installations**.

This unique IP 65 LED Profile Spot Light includes a **dual gobo rotator engine** controllable by DMX: in this way the two gobos can be used at the same time in counter-rotation to create impressive dynamic effects such as water, fire, rain, etc.

The **four-blade framing system** is however available as an accessory and can be used instead of the dual gobo rotator.

A **zoom lens** system ranging from 14° to 35°, 10° to 25°, 30° to 60° or fixed at 80°, bare ends power input cable and in/out 5 pin XLR connectors for DMX signal rated IP 65 complete the product profile. The fixture has in addition a **lockable display** thanks to a freely selectable security pin code.

Fixed white CCT (3.200 K or 5.600 K) and RGBLA color versions available.

#### Key Features



- Spot projector for dynamic lighting effects
- Dual gobo rotator engine controllable by DMX
- RGBLA color mixing (Red, Green, Blue, Lime, Amber)



- CCT Proportional control from 2.700 K → 6.500 K



- IP65 (weatherproof)
- For permanent outdoor installation



- Available zoom: 14°-35°, 10°-25°, 30°-60° and optic 80°



- Four blade framing system (optional accessory)



- Die-cast aluminum



- Custom color on request (optional)



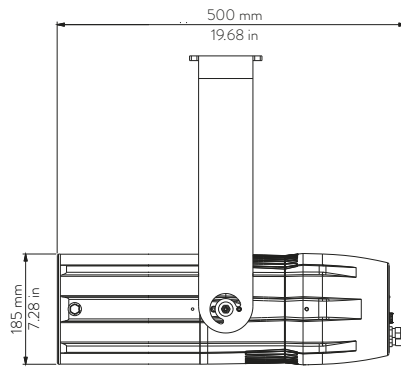
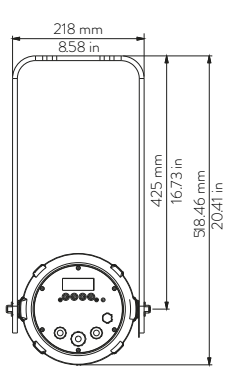
- European Conformity certification

General	
● LED Source	RGBLA LEDs module
● CCT Range	●●●●● Proportional control from 2.700 K → 6.500 K
● Color Rendition Average	CRI> 85
● Dimming	Smooth 100% to 0%, 5 Selectable Curves - Exponential, Logarithmic, Linear, Halo and Standard
● Dimming Smooth Selection	Fast, Slow and Very Slow
● Strobe	Pulse electronic strobe
● Rotating gobo	Yes, two overlapping rotating gobos (optional)
● Lens	Zoom from 14° to 35° or from 10° to 25°, 30° to 60° and optic 80°
● Camera flicker control/Hz range	Flicker-free operation with LEDs frequency controlled via DMX from 600 to 20.000 Hz
● Calibrated Cob	Yes
● Electronics Type	Guaranteed flicker-free
● L80 Rating (hours to 80% output)	50.000 Hours
● Pattern Projection	Yes
● Pattern Size	A or B Gobo outside diameter= 86 mm / 3.38 in Max image diameter= 64.5 mm / 2.53 in
Electrical	
● Voltage Input	80-264 V, 50/60 Hz, auto-sensing
● Power Consumption	285 W Maximum - 1.26 A at 230 V, 2.53 A at 115 V - cosφ 0.98
● Power Connection	Integral cable Bare Ends
● Data Connection	In/Out IP65 DMX Signal Junction Connector (Cod Art. RCN 73)
Thermal	
● Ambient Operating Temperature	-40° - +40°C (-40° - + 104° F)
● Fan (controllable)	Yes, 2 different settings: Silent and Auto
Control	
● Protocols	DMX-512, RDM (Remote Device Management), Wireless (optional by LumenRadio)
● RDM configuration	Yes
● DMX Channels	19 / 10 / 4 / Studio mode / RGB mode
● Display	Graphic OLED on-board selector for quick setting
● Firmware upgrade	Through DMX with RDM Upgrade USB interface (code AC10011A001)
Physical	
● Mounting	Yoke
● Materials	Die-cast aluminum
● IP Rating	IP65 (weatherproof)
● Color options	Black (standard), custom color on request (optional)
Optics	
BC10029A002	Profile Zoom 10°-25°
BC10029A000	Profile Zoom 14°-35°
BC10029A004	Profile Zoom 30°-60°
BC10029A005	Lens Tube Profile 80°
General accessories	
BC10028A000	Four blade framing system (this accessory can be installed as an alternative to the dual gobo rotator)
BC10029A003	Frame Holder
BC10029A100	LEDko EXT wireless kit
RME34/G	DMX end of line closure cap (indispensable for the last projector of the line)

<b>19 Channels</b>	<b>10 Channels</b>	<b>RGB Mode</b>	<b>Studio Mode</b>
01 → Master Dimmer	01 → Master Dimmer	01 → Master Dimmer	01 → Master Dimmer
02 → Red	02 → Red	02 → Dimmer Fine	02 → White Tone
03 → Green	03 → Green	03 → Red	03 → Green Saturation
04 → Blue	04 → Blue	04 → Green	04 → Saturation
05 → Spare Channel	05 → Spare Channel	05 → Blue	05 → Hue
06 → Lime	06 → Lime	06 → White Tone	06 → Dimmer Fine
07 → Amber	07 → Amber	07 → Saturation	07 → Special Functions
08 → Strobe Effect	08 → Gobo Rotation Speed	08 → Strobe Effect	
09 → Dimmer Fine	09 → Gobo 1 Speed	09 → Special Functions	
10 → Special Functions	10 → Gobo 2 Speed		
11 → Red Tone			
12 → Green Tone			
13 → Blue Tone	<b>4 Channels</b>		
14 → White Tone	01 → Master Dimmer		
15 → Green Saturation	02 → Gobo Rotation Speed		
16 → Saturation	03 → Gobo 1 Speed		
17 → Gobo Rotation Speed	04 → Gobo 2 Speed		
18 → Gobo 1 Speed			
19 → Gobo 2 Speed			

## Drawing Size

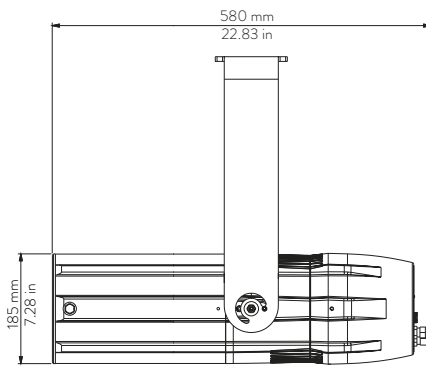
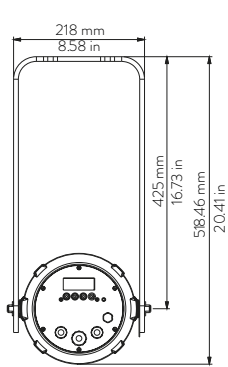
### LEDko EXT 80° Optic



Length	Width	Height	Weight
500 mm 19.68 in	252.6 mm 9.94 in	185 mm 7.28 in	12.1 Kg 26.6lbs

With  
bracket:  
518.46 mm  
20.41 in

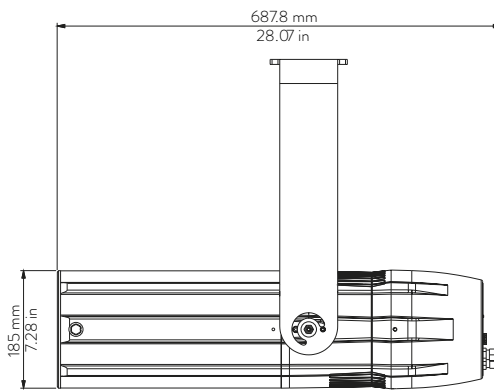
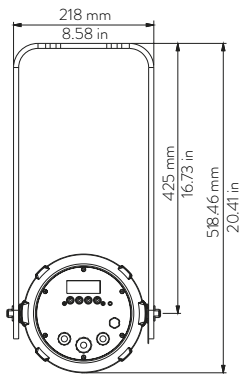
### LEDko EXT 30°-60° Zoom



Length	Width	Height	Weight
580 mm 22.83 in	252.6 mm 9.94 in	185 mm 7.28 in	12.6 Kg 27.7 lbs

With  
bracket:  
518.46 mm  
20.41 in

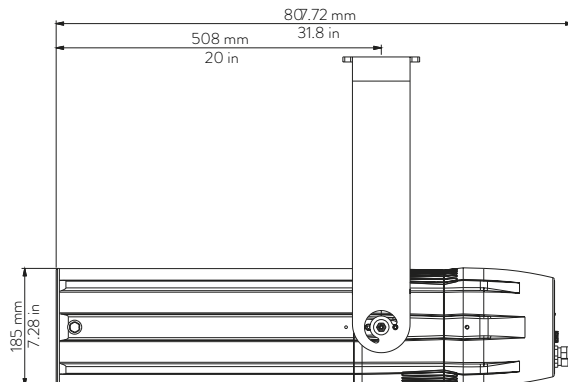
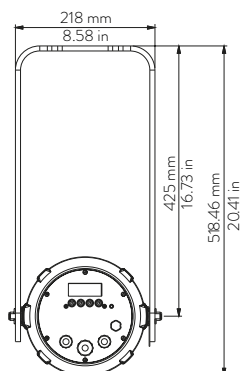
### LEDko EXT 14°-35° Zoom



Length	Width	Height	Weight
687.8 mm 27.07 in	252.6 mm 9.94 in	185 mm 7.28 in	14 Kg 30.8 lbs

With  
bracket:  
518.46 mm  
20.41 in

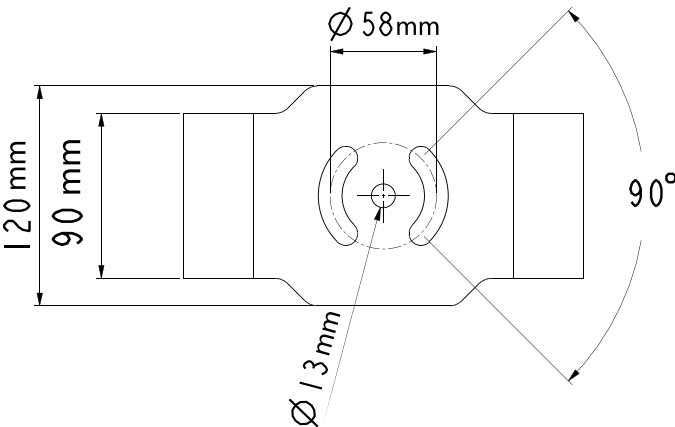
### LEDko EXT 10°-25° Zoom



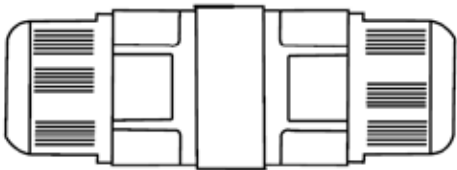
Length	Width	Height	Weight
807.2 mm 31.8 in	252.6 mm 9.94 in	185 mm 7.28 in	15 Kg 33.1 lbs

With  
bracket:  
518.46 mm  
20.41 in

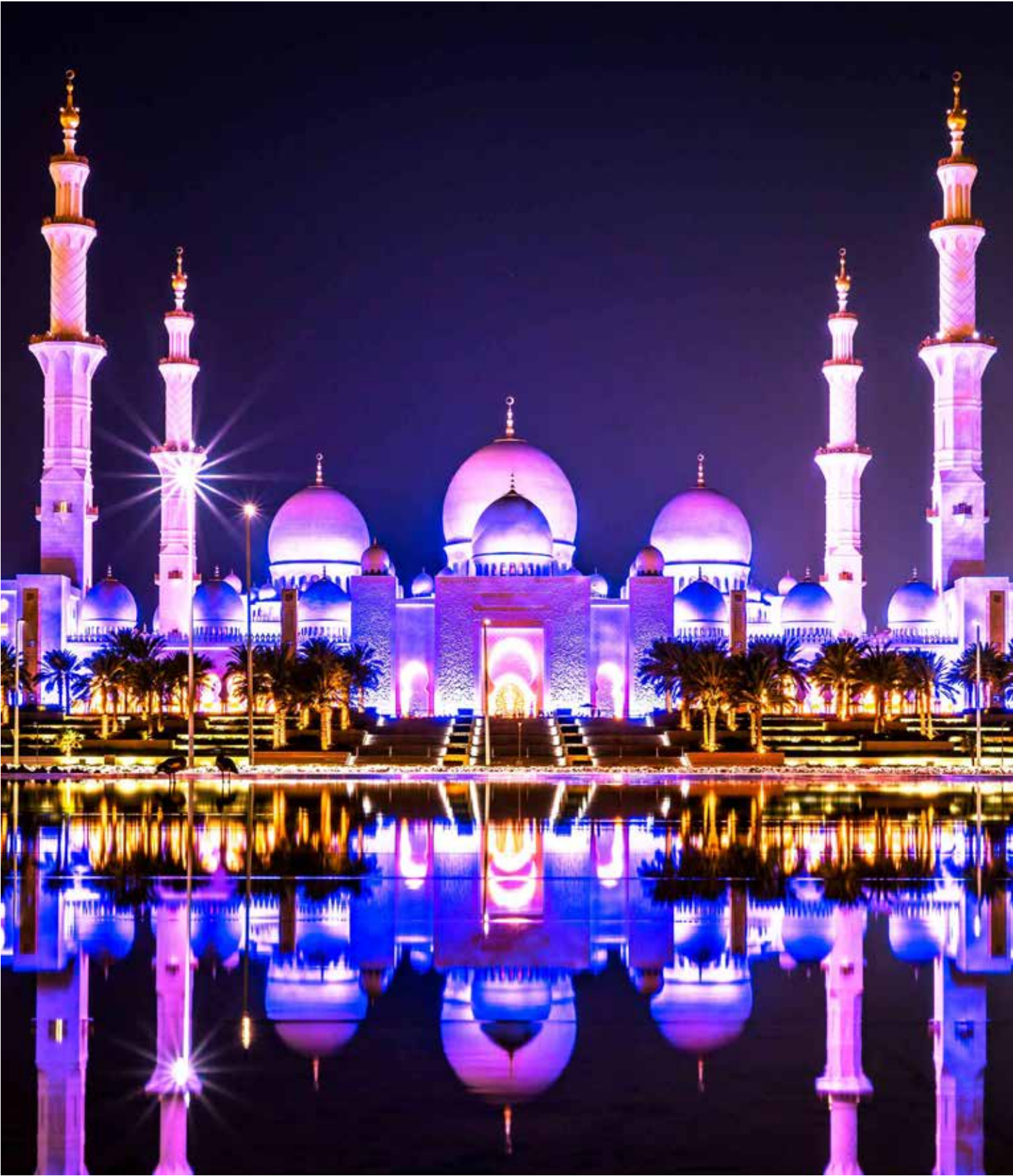
Mounting yoke attachment point



DMX Signal Junction Connector



Specification
DMX 512 STANDARD:
Pin 1 = Shield
Pin 2 = Data + (Red)
Pin 3 = Data - (Black)



House of Worship - Sheikh Zayed Grand Mosque Abu Dhabi

Product	LEDko EXT FS Dual Gobo Rotator
CCT	RGBLA
CRI	>85
Lighting design	Speirs Major
Installation	Forza Electrical & Lighting

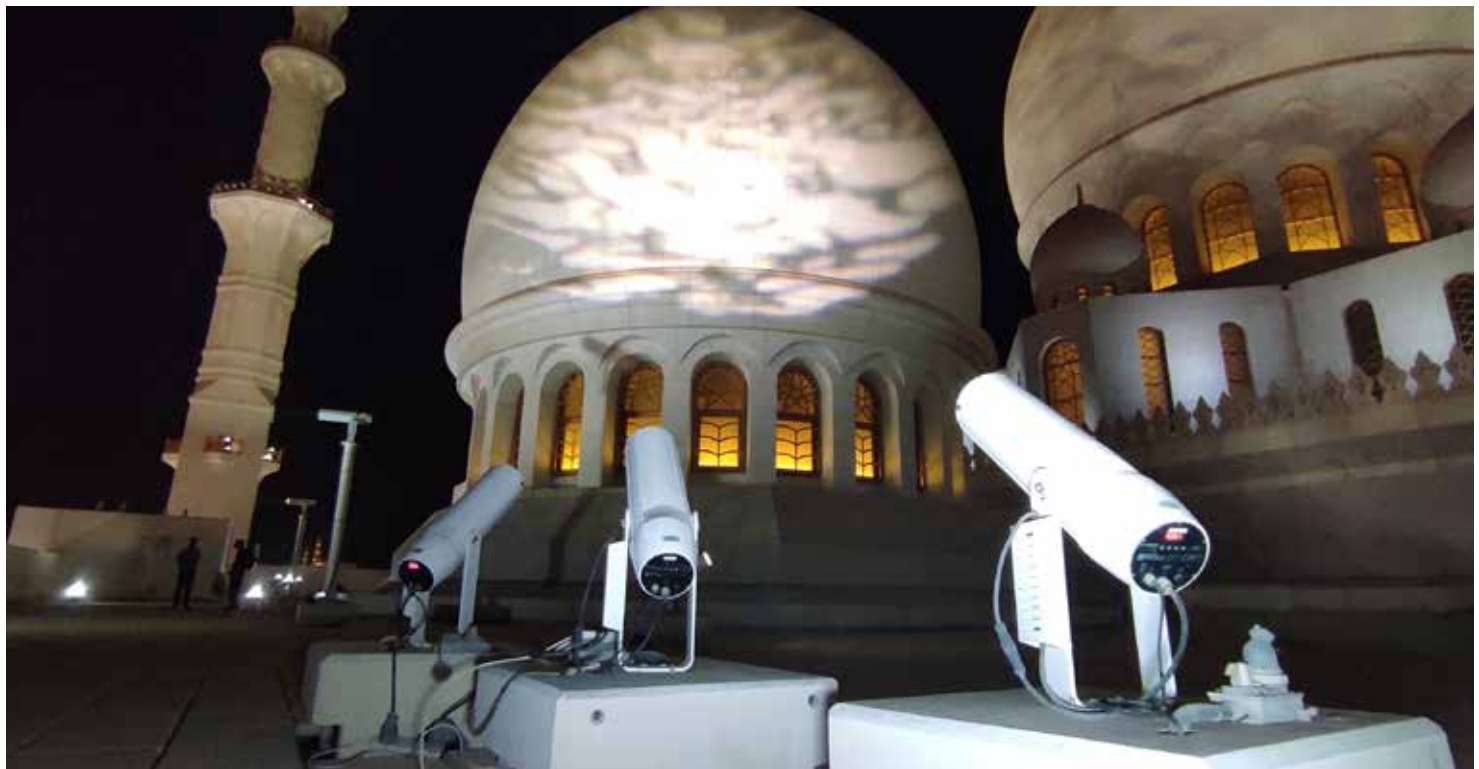




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● Coemar Lighting S.r.l.

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