



# MiniLEDko Fresnel

Last update:  
03/07/2024



## MiniLEDko Fresnel

### Introducing

● We took our flagship product and made it smaller. Much smaller. We are proud to introduce you to the new Coemar product family, MiniLEDko.

Thanks to MiniLEDko we can expand our offer and make available all the quality we offer with LEDko, in a much smaller body.

High power is not always necessary and this is why MiniLEDko was born. Anyone who needs a profiler with an incredible light emitted/power ratio must have our brand new MiniLEDko. We have thought of everything, from optics to mounting options, to communication protocols, to ensure that anyone can find the perfect product for their needs.

### Configuration

● MiniLEDko are available in three different mounting options to fit any installation

1. Portable
2. Canopy
3. Track

### Key Features



- 25 W White COB LED (T/D version)
- 35 W COB LED (VW version)



- High CRI > 95



- 3.000 K, 5.600 K (only on request 2.700 K, 3.500 K, 4.000 K, 5.000 K, 6.500 K) or Tunable white from 2.700 K → 6.500 K



- High lumen flux and flat field



- Proportional Zoom 9° to 100°



- Full Body in Aluminum



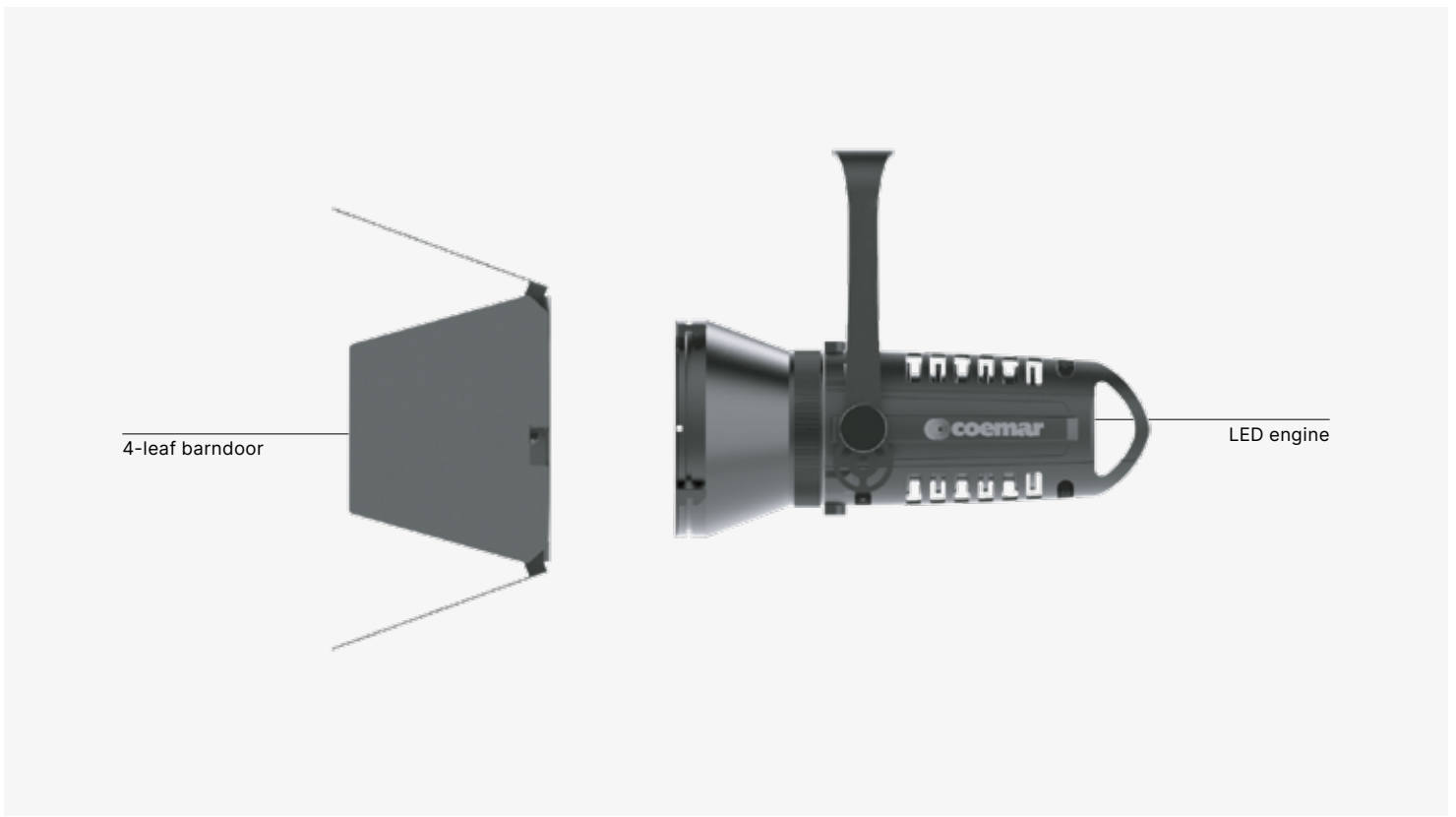
- Custom color on request (optional)



- Track / hanging / ceiling installation



- European Conformity certification



MiniLEDko Fresnel - Versions

Versions

Family	Version	Optic	Barrel	Accessories	Mounting	Controls
MiniLEDko	Fresnel	Zoom 9°-100°	Integrated Barrel	4-Leaf Barndoor Color Frame Holder Honeycomb 4/6 mm	Portable Track Canopy	DMX512 DALI On / Off On Board Potentiometer Bluetooth App

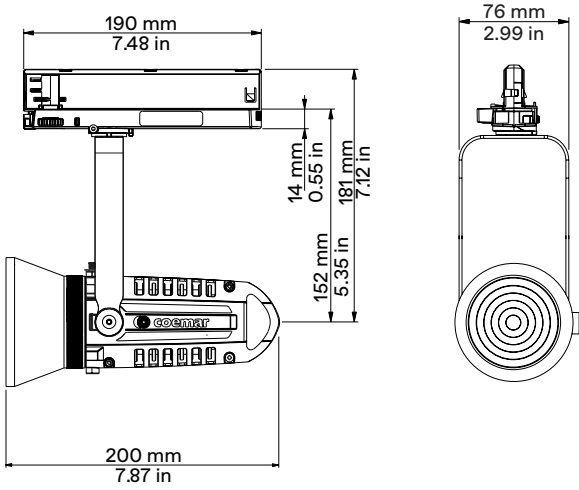


MiniLEDko Fresnel - Without Barndoor

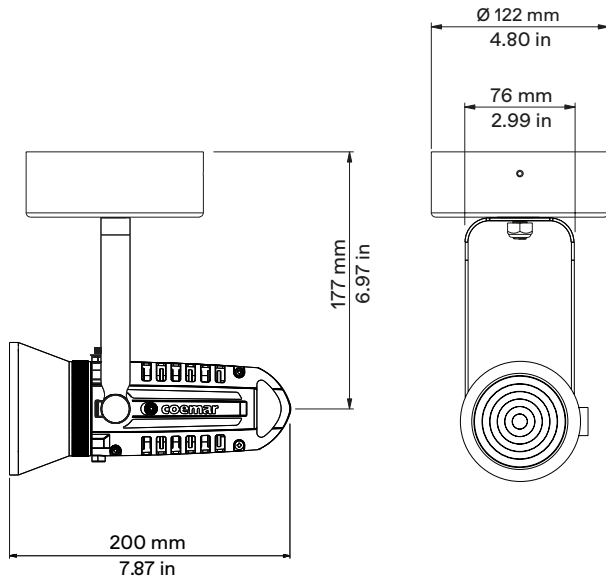
MiniLEDko Fresnel - Track version with potentiometer knob

General	
● LED Source	25 W White COB LED (T/D version), 35W COB LED (VW version)
● CCT Range	●●●●● 3.000K or 5.600K (only on request 2.700 K, 3.500 K, 4.000 K, 5.000 K, 6.500 K) ●●●●● 2.700 K → 6.500 K (VariWhite Version)
● Color Rendition Average	CRI >95, TLCI >95
● Light efficiency	Daylight: Zoom min: 456 lm Zoom med: 950 lm Zoom max: 1243 lm
● Optical	Zoom range from 9° to 63° (1/2 peak angle) 100° (1/10 peak angle)
● Lens	Ø 80 mm
● L80 Rating (hours to 80% output)	50.000 Hours
Electrical	
● Voltage Input	100-240 V, 50/60 Hz (on request available other voltage range)
● Power Consumption	20 W typical - 0.07 A at 230 V, 0.15 A at 115 V - cosφ: 0.9
● Power Connection	1.5 m (4.92 ft) integrated cable without power plug (canopy and portable version)
Thermal	
● Ambient Operating Temperature	0°C - +40°C (32°F - 104°F)
● Cooling	Passive cooling and fan-free
Control	
● Control Variants	On/Off, On board potentiometer, Dali, Bluetooth App , DMX, Casambi, Wireless (optional)
● RDM	DMX Setup, Fixture Status, RDM Commands (only DMX version)
Physical	
● Yoke	Track, Canopy, Portable (Hook with M10 Thread)
● Materials	Aluminium construction (EN AB-46100 grade)
● Fine Texture	High temperature powder-coated paint
● Weight	1.5 kg / 3.31 lbs
● Length	135 mm / 5.31 in
● Height	Track: 175 mm / 6.88 in - Canopy: 177 mm / 6.96 in - Portable: 245 mm / 9.64 in
● Width	90 mm / 3.54 in
● IP Rating	IP20
● Color options	Black (standard), custom color on request (optional)
General accessories	
BC013A014	4 leaf barndoor (included)
BC013A015	Honeycomb - 4 mm / 0.16 in
BC013A016	Honeycomb - 6 mm / 0.23 in
BC013A019	Support for accessories
BC015A300	Track adaptor for ceiling or clamp fixing (for track version T/D - clamp not included) (optional)

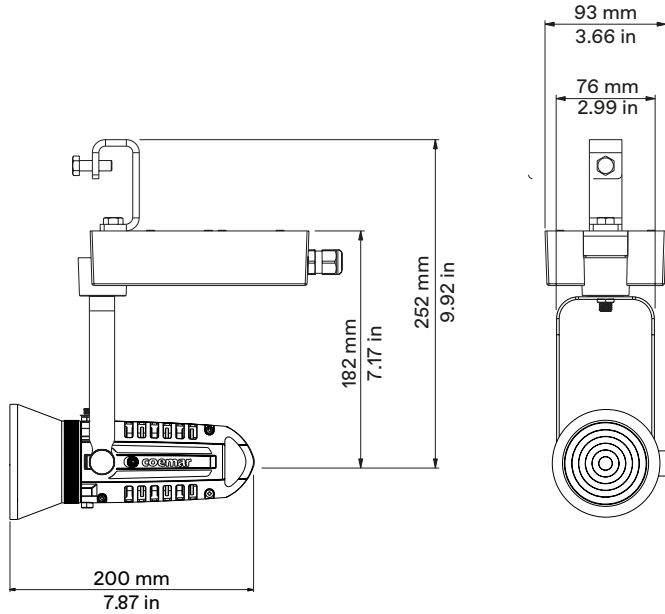
Track version



Canopy version

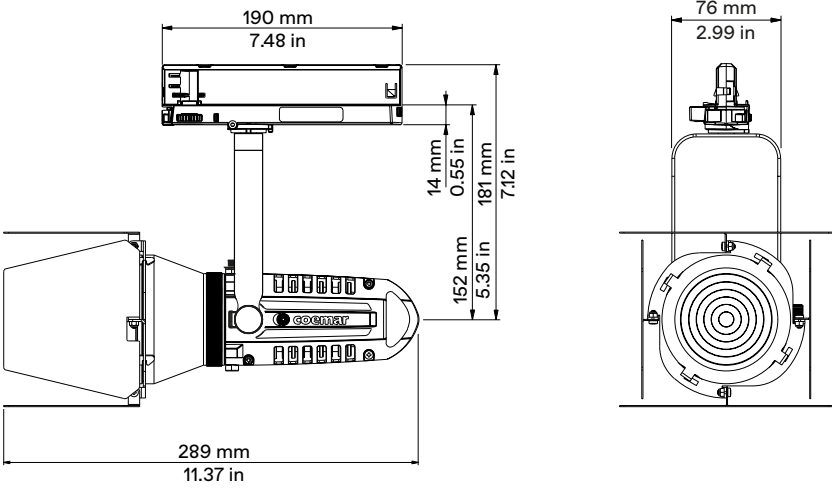


Portable version

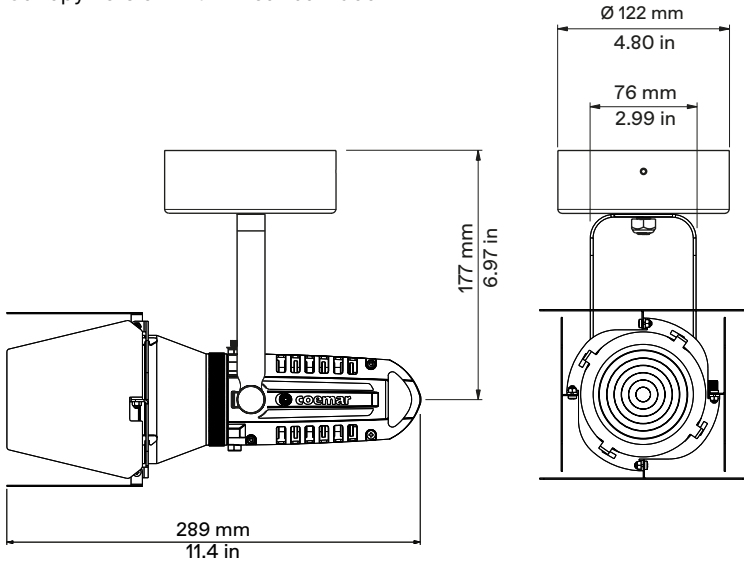


\*Hook with M10 Thread

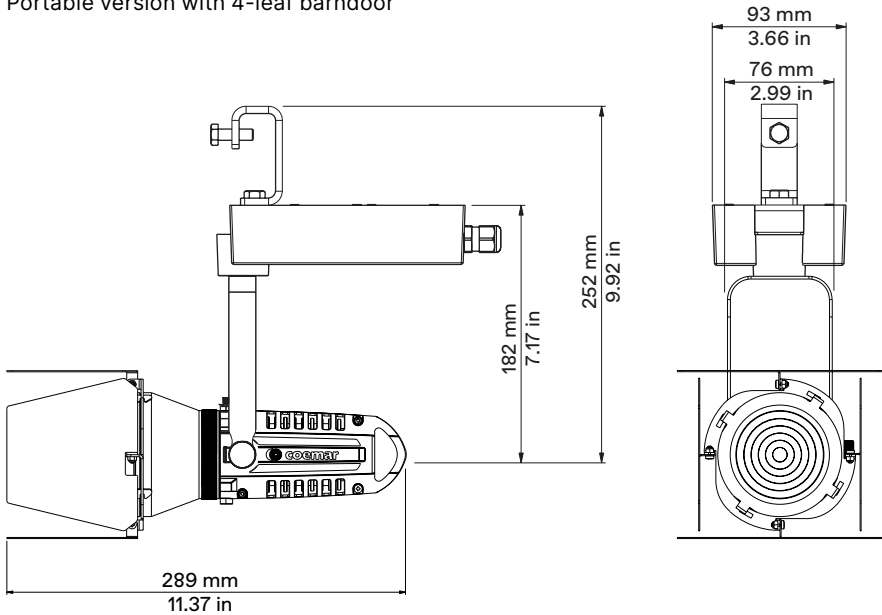
Track version with 4-leaf barndoor



Canopy version with 4-leaf barndoor

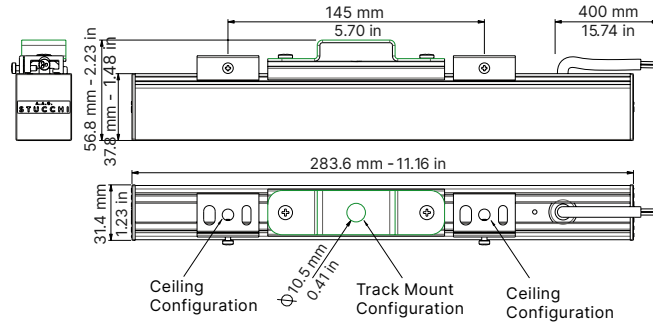


Portable version with 4-leaf barndoor



\*Hook with M10 Thread

Track adaptor for ceiling or clamp fixing



MiniLEDko family		LED source		Color		Mounting		IP		Control	
Fresnel	F115	T (CRI>95)	A	Black	0	None	A	IP20	0	None	A
		D (CRI>95)	B	Silver	1	Track	B			DMX Control	B
		VariWhite	G	White	2	Portable	C			DALI Control	C
				Custom	X	Canopy	D			Bluetooth App Control	D
										On Board Potentiometer Control	E
										On-Off Control	F
										Casambi	I

## Compatible Track System

DALI, DMX versions - Table A

Manufacturer	Type	Model	System
Eutrac	One Track	575 2 1101 575 2 1102 575 2 1103 575 2 1104	3-phase + SIGNAL
Nordic Aluminium	Global Track pulse DALI	XTSC 6x00 XTSCF 6x00 x=1, 2, 3, 4	3-phase + SIGNAL
Powergear	3 Circuits DALI track system	PRO-06X0, 064000 PRO-R6x0, R6400 x=1, 2, 3	3-phase + SIGNAL
Stucchi	One Track Advance	9000A-.../...-ST 9000A-.../...-R	3-phase + SIGNAL
Targetti	Eurostandard Plus	9000A-.../...-ST 9000A-.../...-R	3-phase + SIGNAL

On/Off, On board potentiometer, Bluetooth App versions - Table B \*

Manufacturer	Type	Model	System
Eutrac	Surface Track	25-x0 x= 1, 2, 3, 4	3-phase
Ivela	3-phase LKM	7501-x0 x= 1, 2, 3, 4	3-phase
Nordic Aluminium	Global Track Pro	XTS 4x000 x= 1, 2, 3, 4	3-phase
Powergear	3 Circuit Track system	PRO-04x0 x= 1, 2, 3	3-phase

\* On/Off, On board potentiometer, Bluetooth App versions products can also be switched on and powered by the tracks indicated in table A, but obviously they cannot be controlled or dimmed via a control signal





Museum - Louvre Museum, Abu Dhabi

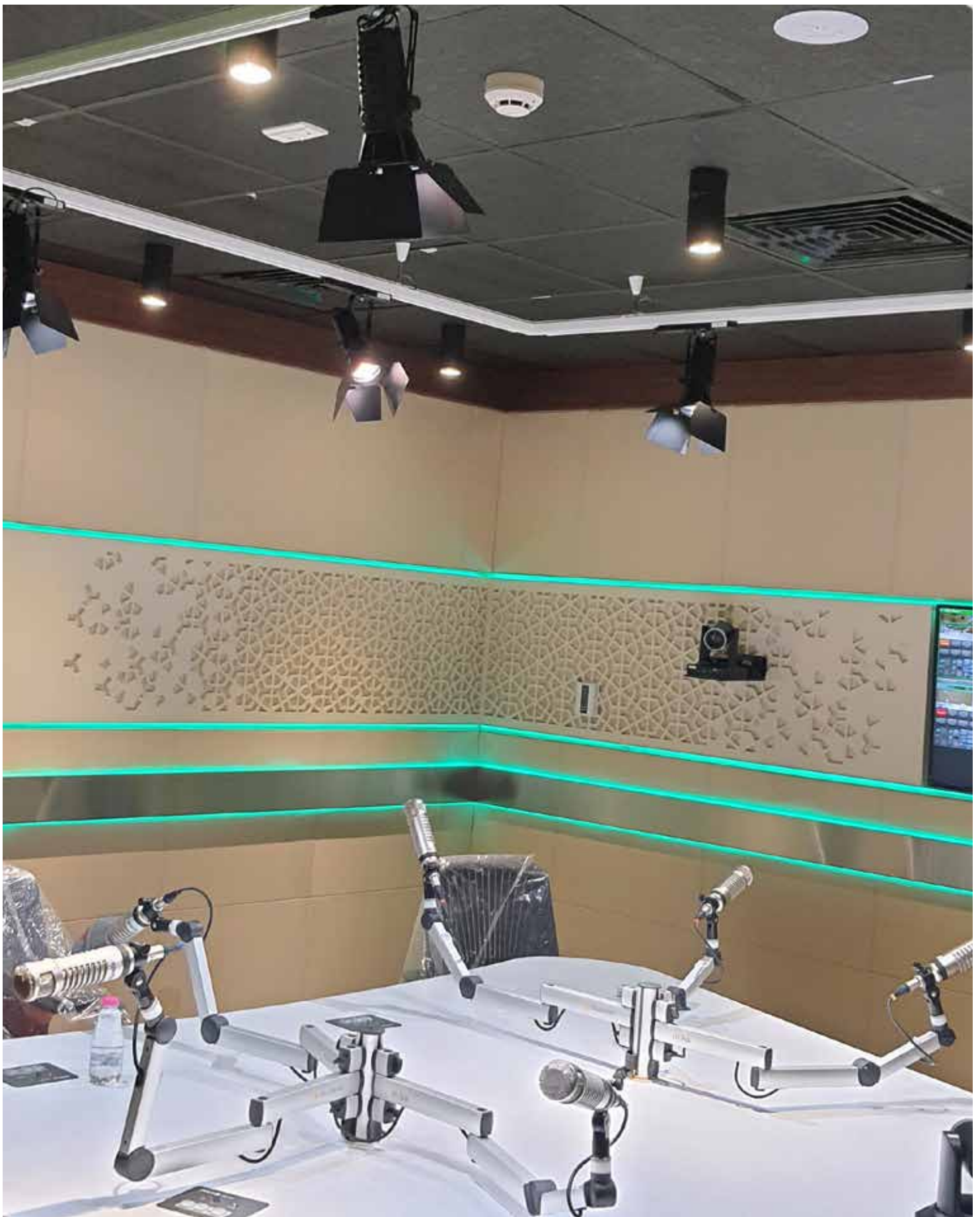
Product	MiniLEDko Fresnel
CCT	3.000K
CRI	>95
Version	9° to 100°
Mounting	Track
Light Designer	Tillotson Design Associates
System Integrator	Bewunder



Theme Park - Città dei bambini, Genoa, Italy

Product	MiniLEDko Fresnel
CCT	4.000 K
CRI	>95
Version	9° to 100°
Control	Dali
Mounting	Track





Broadcast - Sharjah Radio TV, Sharjah UAE

Product	MiniLEDko Fresnel
CCT	5.600 K
CRI	>95
Version	9° to 100°
Control	Bluetooth
Mounting	Track



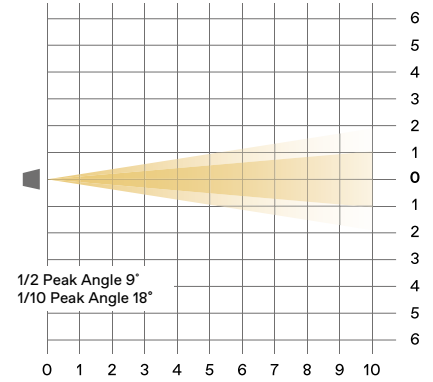
Theme Park - Mirabilandia, Ravenna, Italy

Product	MiniLEDko Fresnel
CCT	3.000 K
CRI	>95
Version	9° to 100°
Mounting	Track

### Mini LEDko Fresnel Fixed White, CRI 97, TCLI 98

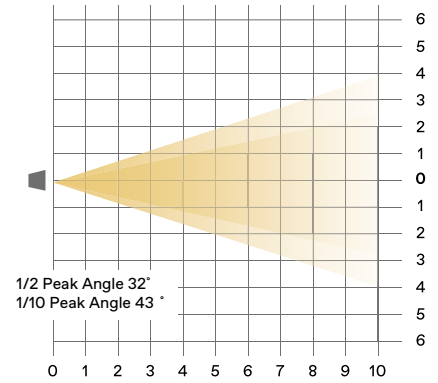
Optic: **Fresnel Zoom 10° - 100° - Zoom: Spot**

Distance(m)		1	2	3	4	5	6	7	8	9	10
lux	3.000K	14.052	3.513	1.561	878	562	390	287	220	173	141
	5.600K	16.399	4.075	1.811	1.019	652	453	333	255	201	163
1/2 P.A. ° Ø (m)		0,16	0,31	0,47	0,63	0,79	0,94	1,10	1,26	1,42	1,57
1/10 P.A. Ø (m)		0,32	0,63	0,95	1,27	1,58	1,90	2,22	2,53	2,85	3,17



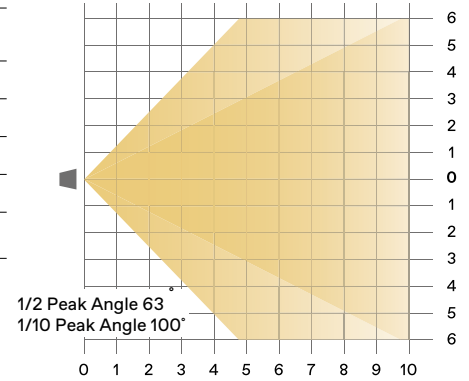
Optic: **Fresnel Zoom 10° - 100° - Zoom: Medium**

Distance(m)		1	2	3	4	5	6	7	8	9	10
lux	3.000K	2.760	690	307	173	110	77	56	43	34	28
	5.600K	3.200	800	356	200	128	89	65	50	40	32
1/2 P.A. ° Ø (m)		0,57	1,15	1,72	2,29	2,87	3,44	4,01	4,59	5,16	5,73
1/10 P.A. Ø (m)		0,79	1,58	2,36	3,15	3,94	4,76	5,51	6,30	7,09	7,88



Optic: **Fresnel Zoom 10° - 100° - Zoom: Flood**

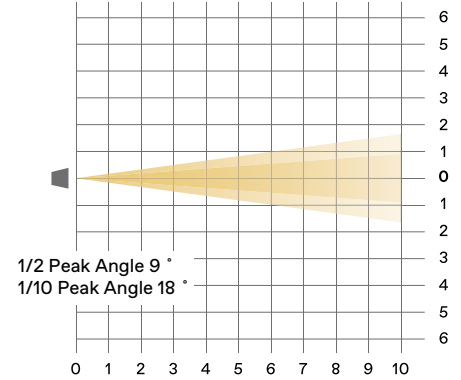
Distance(m)		1	2	3	4	5	6	7	8	9	10
lux	3.000K	772	193	86	48	31	21	16	12	10	8
	5.600K	860	215	96	54	34	24	18	13	11	9
1/2 P.A. ° Ø (m)		1,23	2,45	3,68	4,90	6,13	7,35	8,58	9,80	11,03	12,26
1/10 P.A. Ø (m)		2,38	4,77	7,15	9,53	11,92	14,30	16,68	19,07	21,45	23,84



### Mini LEDko Fresnel VariWhite, CRI 95, TCLI 96

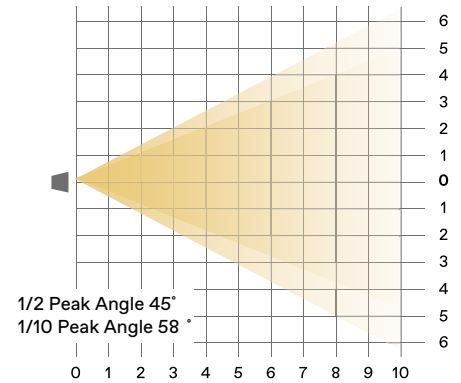
Optic: **Fresnel Zoom 10° - 100° - Zoom: Spot**

Distance(m)	1	2	3	4	5	6	7	8	9	10	
lux	<b>3.000K</b>	6,960	1,740	773	435	278	193	142	109	86	70
	<b>5.600K</b>	8.444	2.111	938	528	338	235	172	132	104	84
<b>1/2 P.A. ° Ø (m)</b>	0,16	0,31	0,47	0,63	0,79	0,94	1,10	1,26	1,42	1,57	
<b>1/10 P.A. Ø (m)</b>	0,32	0,63	0,95	1,27	1,58	1,90	2,22	2,53	2,85	3,17	



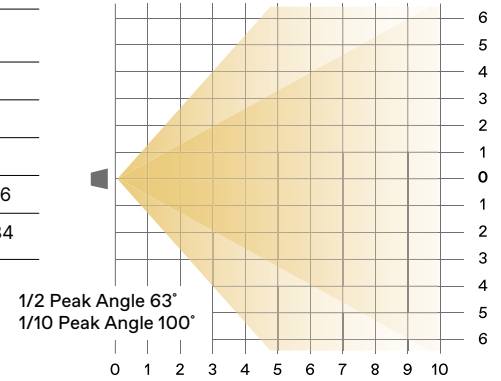
Optic: **Fresnel Zoom 10° - 100° - Zoom: Medium**

Distance(m)	1	2	3	4	5	6	7	8	9	10	
lux	<b>3.000K</b>	1.408	352	156	88	56	39	29	22	17	14
	<b>5.600K</b>	1.572	393	175	98	63	44	32	25	19	16
<b>1/2 P.A. ° Ø (m)</b>	0,16	1,66	2,49	3,31	4,14	4,97	5,80	6,63	7,46	8,28	
<b>1/10 P.A. Ø (m)</b>	1,11	2,22	3,33	4,43	5,54	6,65	7,76	8,87	9,98	11,09	



Optic: **Fresnel Zoom 10° - 100° - Zoom: Flood**

Distance(m)	1	2	3	4	5	6	7	8	9	10	
lux	<b>3.000K</b>	564	141	63	35	23	16	12	9	7	6
	<b>5.600K</b>	604	151	151	67	24	17	12	9	7	6
<b>1/2 P.A. ° Ø (m)</b>	1,23	2,45	3,68	4,90	6,13	7,35	8,58	9,80	11,03	12,26	
<b>1/10 P.A. Ø (m)</b>	2,38	4,77	7,15	9,53	11,92	14,30	16,68	19,07	21,45	23,84	



● Coemar Lighting S.r.l.

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