

MacoLEDs Fresnel, RF100

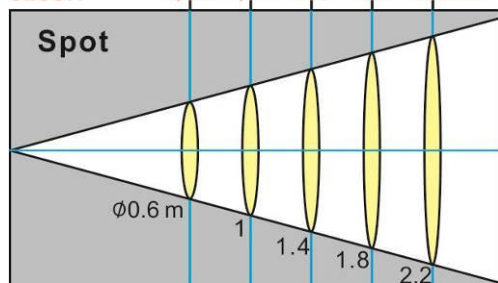
MacoLEDs RF100C : LED spotlight, 5600K
 MacoLEDs RF100W : LED spotlight, 3200K
 MacoLEDs RF100CP : LED spotlight, 5600K, Pole-operated
 MacoLEDs RF100WP : LED spotlight, 3200K, Pole-operated



Photometric data: MacoLEDs RF100

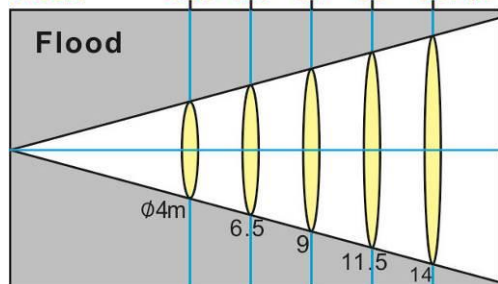
Beam Angle: 11°~65°

5600K	5,850	2,106	1,074	650	435 Lux
3200K	4,880	1,757	896	524	363 Lux



Distance	3	5	7	9	11m
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5600K	405	146	74	45	30 Lux
3200K	348	125	64	39	26 Lux



Distance	3	5	7	9	11m
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The MacoLEDs RF100 Fresnel is compact and light weight, most suitable for small TV studio, stage and multi-purposes venue with less head rooms. It provides powerful, close to skin tone color rendering (CRI 90+), smooth and continuous dimming light output. It is controlled via DMX signals or manually through its local control panel by press buttons, a tuning knob and a 4-digit display. It is also featured with a pair of IN and OUT PowerCons which could feed up to 10 units at 230VAC or 5 at 100VAC.

Mechanical Data

Construction	Extruded aluminum alloy and steel plates to form light weight and rigid fixture construction.
Paint / finish	Black anodized & epoxy-polyester powder paint
Mounting & suspension	steel stirrup with 12mm centre hole + DIN mounting
Lens	150mm glass fresnel lens
Handle	rear
Safety bond	Black
Color frame & Safety guard	Metal 190 x 190mm, black

Electrical Data

Light source	1 x 120 Watt LED array, white
Power input	100~240V AC single phase PowerCon , Locking 3 pole connector, Blue
Power output	PowerCon , Locking 3 pole connector, white
Frequency/Current	50/60Hz – 1.05A
Power consumption	125W at full power, 3W in sleep mode
Power or DMX loss	Last Scene Hold
Cable	2m, 3 x 1.5mm ² flexible cable to bare ends
Standard compliance	EN60598-2-17, CE marked

Operational Data

Working position	Max. tilting +90° to -90° from horizontal
Focus adjustment	Screw-focus with rear control knobs
Beam angle	11°-65° (Half peak angle)
Beam shaping	Using barn door accessory
DMX channel	1 dimming channel, 7 optional control attributes
RDM	ANSI E1.20-2006 RDM
Dimming	0-100%, better than 10,000 :1, DMX or local dimming knob control
LED temperature	Built-in sensor real time monitoring
Fan speed control	Automatically adjustable or 4 fan-speed levels
Built-in effects	8

LED type

120W x 1	Taiwan, white LED lamp, approx. 50,000hrs at 25°C max.
Beam color temperature	3200K and 5600K
CRI (Color Rendering Index)	Ra 92

Accessories included

Safety bond(x1); Metal color frame(x1); Safety guard (x1)

Optional accessories for MacoLEDs

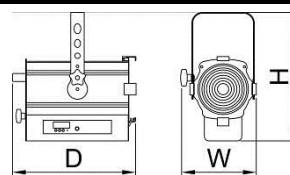
- 4-leaf barn door, 8-leaf barn door
- Hook clamp
- Spare Safety bond, metal color frame, safety guard

Environmental Data

Operation humidity	5-95% non-condensing
Operation temperature	0-35°C (32-95°F)
Installation place	Indoor

Physical Data

Model	RF100
Weight	5.5 kg
Size mm	W / H / D 257*385*370



Ordering information

Model	Ordering code	Packing size (cm)
MacoLEDs RF 100C (5600K)	F390	51*30*38
MacoLEDs RF 100W (3200K)	F3A0	51*30*38
MacoLEDs RF 100CP (5600K)	F3D0	51*30*38
MacoLEDs RF 100WP (3200K)	F3E0	51*30*38

Macostar reserves the right to change the specification without prior notice.
 Ref.: MacoLEDs-RF100-V1.9b - 15 Jun, 2016