

CASE STUDIES



SIGNUM 100



Extreme power, total durability.

The new 100W LED projector is built to push: compact yet incredibly powerful, designed to deliver high performance even in the toughest conditions. Its rugged body and innovative design combine functionality, strength, and style.

Equipped with passive ventilation and an IP65 protection rating, it's fully shielded from dust, rain, and external agents. But that's not all:

a new cover-opening system makes the maintenance easier than ever, while the ability to quantify the tilt angle of the adjustable body ensures perfect beam alignment.

Easy to handle, impossible to stop.

It's the latest addition to the Signum family - and with its power and versatility, it sets a new benchmark for the entire range.



SIGNUM 100

BODY

Material	Aluminium
Protection Rating	IP65
IK Rating	IK09
Photobiological safety	Risk Group 2 for Signum 100W
Surface Finishing	Black Painting RAL 9005

POWER SUPPLY

Power mode	110-240V	50/60Hz
Protection Class (EN 60598-1)	Class I	
Efficiency	PF≥0.97/115VAC, PF≥0.95/230VAC, PF≥0.92/277VAC at full load	
Power Consumption	88W for Signum 100W	
Max. number of devices for B16A/C16A switch (absorbed power)	41 pieces for 100 W	
Max. number of PSUs on 16A CIRCUIT BREAKER	8 units (circuit B)/14 units (circuit C) at 230VAC	
Inrush current (Typ.)	COLD START 50A (twidth=300µs measured at 50% Ipeak) at 230VAC; Per NEMA 410	

MAIN FEATURES

Light Source	CITILED COB
Colour Temperature	5.000 °K
Gobo Size	O.D. ø37,5mm - I.D. ø30mm

Power Mode	100W		
Luminous Flux Source	11.941 lm		
Optical System	56 mm	90 mm	140 mm
Angular Aperture	32°	18°	12°
Illuminance max at 5m	1510	3425	9330
Optical Efficiency	65,7%	52%	49,1%
Total Lumen Output	7.851 lm	6.210 lm	5.865 lm
Luminous Efficacy	89 lm/W	71 lm/W	67 lm/W

OPTIONAL *

Controllable with Casambi via Android and IOS app (on / off - network creation - batch or single control

WIRELESS proximity sensor activation (creation of networks up to 32 units - operation under WIFI network or in Cloud)

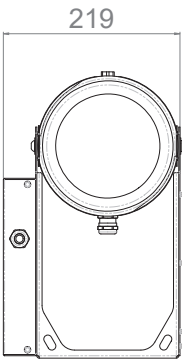
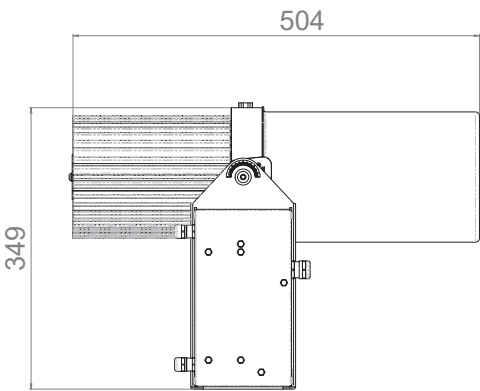
Compatible with DALI and DMX networks

WEIGHT

8,5 kg

DIMENSIONS

WITHOUT PACKAGING



WITH PACKAGING

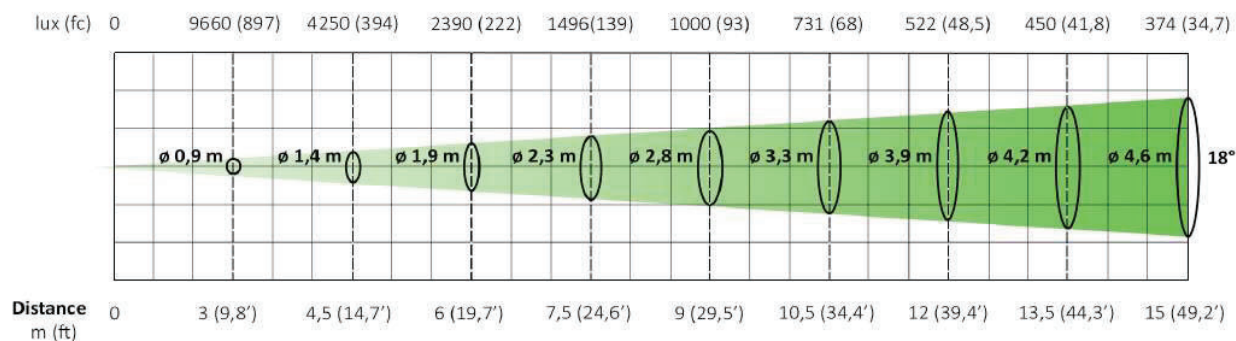


PHOTOMETRIC DIAGRAMS

SIGNUM 100W

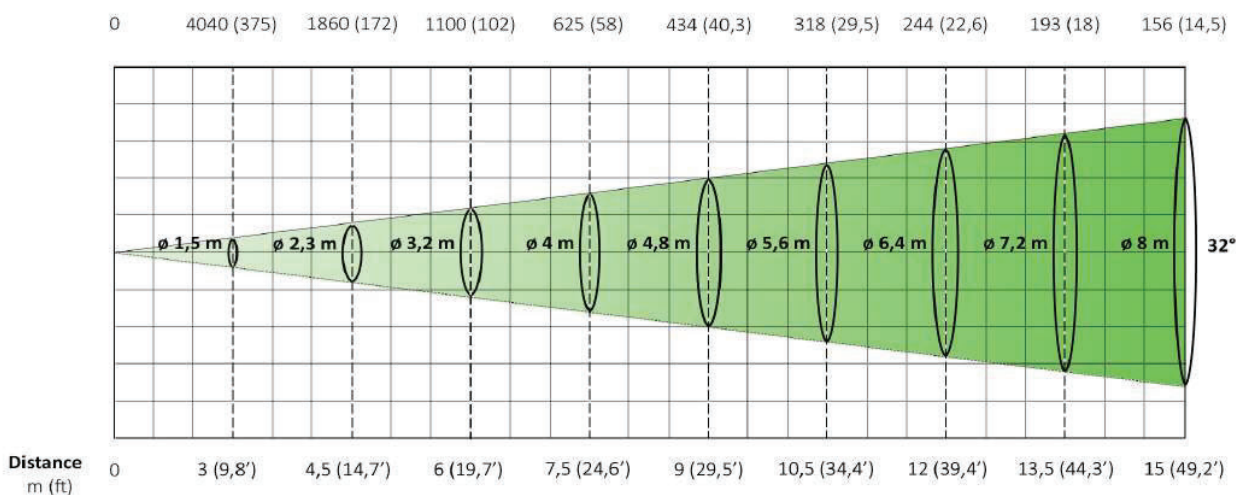
Projection Lens Focal 90 mm - Angle aperture 18° (I.D. ø30mm)

Total lumen output: 6.210 lm - Luminous efficacy: 71 lm/W - Optical Efficiency: 52%



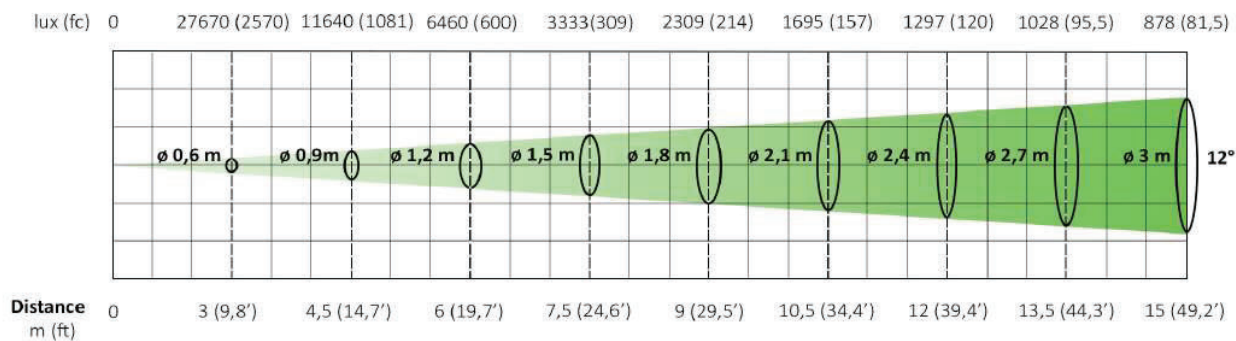
Projection Lens Focal 56 mm - Angle aperture 32° (I.D. ø30mm)

Total lumen output: 7.851 lm - Luminous efficacy: 89 lm/W - Optical Efficiency: 65,7%



Projection Lens Focal 140 mm - Angle aperture 12° (I.D. ø30mm)

Total lumen output: 5.865 lm - Luminous efficacy: 67 lm/W - Optical Efficiency: 49%



PHOTOMETRIC DIAGRAMS

SIGNUM 100W

Illuminance Distribution [Cd] (Distance = 4,5)

