

# ArcShine M18FC

18x4W IP66 RGB + Warm White architectural linear bar, 100 cm

ORDER CODE: **ARCSHINEM1808FC**



The **ArcShine M18FC** and **ArcShine M9FC** are a series of linear LED fixtures, designed for interior and exterior applications (IP66) such as flood lighting, wall washing and accent lighting. There are two sizes available, one with 18 LEDs (100 cm) and the other with 9 (50 cm) LED emitters, 4W each, with RGB + Warm White colour mixing. Its die-cast aluminium body with tempered glass make them perfect additions to urban structures or historical buildings. Optic: 8° lenses capable of delivering multiple angles with optional holographic filters. Optional holographic symmetric and elliptical filters available: 20°, 40°, 60°, 10°x60°, 30°x60°. The **ArcShine** range has an on-board power supply and DMX/RDM control. The 100 cm version is controllable in two sections.

## MAIN FEATURES

- IP66 design, AC 100-240V and driver on-board, DMX/RDM controllable
- RGB + Warm White colour mixing, with 4W LED emitters
- Optic: 8° lenses capable of delivering multiple angles with optional holographic filters
- Optional holographic symmetric and elliptical filters available: 20°, 40°, 60°, 10°x60°, 30°x60°

## TECHNICAL SPECIFICATION

### LIGHT SOURCE

- Source: 18x4 W RGBW LEDs
- CCT: 2.700 K - 5.600 K
- Luminous flux: (8°) 2'385 lm; (8°+20°) 2'353 lm; (8°+40°) 2'242 lm; (8°+60°) 2'262 lm; (8°+10°x60°) 3'567 lm; (8°+30°x60°) 2'460 lm @full
- Lux: (8°) 3'641 lx; (8°+20°) 712 lx; (8°+40°) 264 lx; (8°+60°) 181 lx; (8°+10°x60°) 450 lx; (8°+30°x60°) 321 lx @3 m full
- CRI: >80
- Source life expectancy: > 50.000 hrs (L70B10 @Ta 25° C / 77° F)

### OPTICS

- Beam angle: 8°
- Additional optics: see available accessories

### COLOUR SYSTEM

- Colour mixing: 4 in 1 RGBW
- CCT: CCT control through dedicated DMX channel
- Colour wheel: virtual colour wheel with macros
- Macros: built-in white presets

### BODY

- Tilt angle: manual 180°
- Body: sturdy aluminum profile
- Body colour: RAL 7012

### CONTROL

- Protocols: DMX512, RDM
- Stand Alone: available through DATAMASTER external coder (not included)
- DMX channels: 1 / 2 / 5 / 9 / 12 / 14 channel
- Pixel control: 2 controllable sections
- RDM: RDM for remote monitoring and settings
- Display: user interface through DATAMASTER external coder (not included)
- Firmware upgrade: yes, via USB - DMX interface (UPBOX1) not included
- Master/Slave: for synchronised operation of more units linked in a chain
- Other: 16bit control of dimmer and colour

### ELECTRONICS

- Dimmer: linear 0 ~ 100% electronic dimmer
- Dimmer curves: 4 selectable dimming modes available
- Strobe / shutter: 1-30 Hz, electronic
- Operating temperature: -20° C / +45° C (-4° F / +113° F)
- Selectable PWM: 600 ~ 25.000 Hz

### ELECTRICAL

- Mains power supply: 100-240V - 50/60Hz
- Max power consumption: 80 W
- Output (at 230V): 15 units on a single power line
- Power factor: >0,94

### PHYSICAL

- IP rating: IP66
- IK rating: 09
- Cooling: passive cooling and fan-free
- Suspension and fixing: double hanging bracket suitable for safe hanging and for floor positioning
- Adaptors: XLR and BARE END 16A adaptors included
- Signal connection: moulded IP signal IN/OUT connectors
- Power connection: moulded IP power IN/OUT connectors
- Dimensions (WxHxD): 1.000x106x71 mm
- Weight: 4,9 kg

### CERTIFICATIONS / APPROVALS

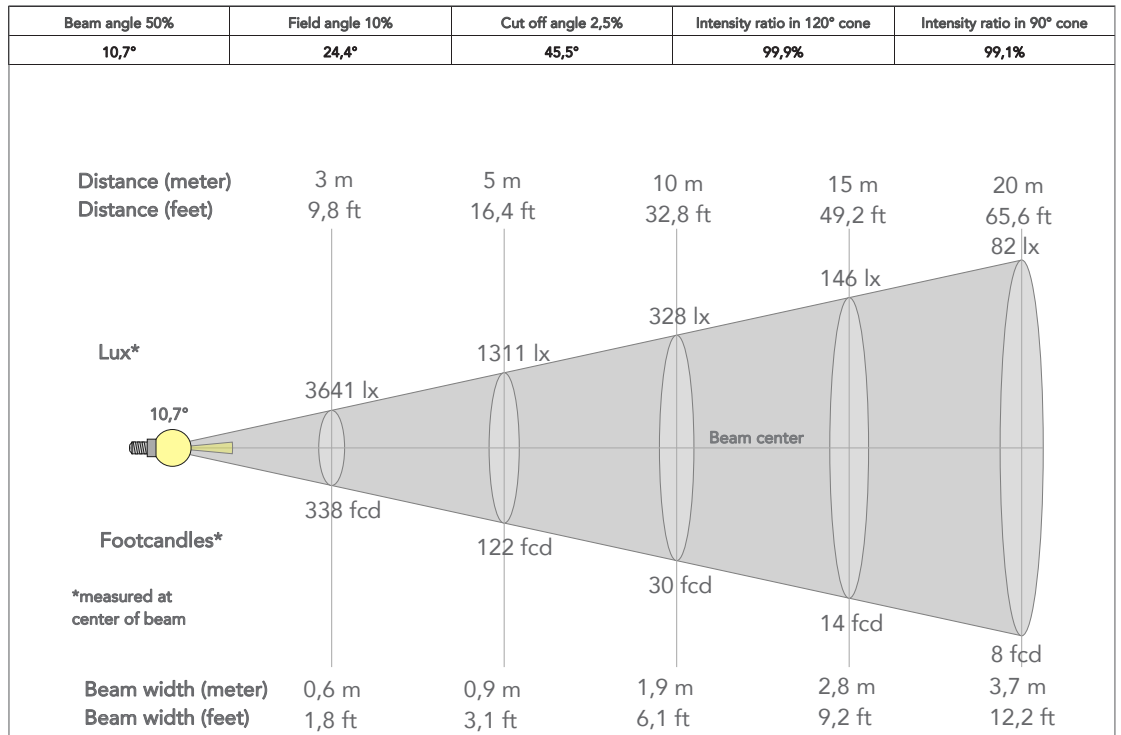
- Certifications / Approvals: CE, UKCA, RCM, cTUVus, FCC

## ACCESSORIES & RELATED PRODUCTS

▪ ARCS18FIXBD	Barndoor to adjust the light beam for ARCSHINES18 and ARCSHINEM18	▪ ARCSM18OUTERCASE	Outercase box for ground installation for ARCSHINES18 and ARCSHINEM18 series
▪ AWEXAC2L03/05/10/20	Extension IP67 power cable, IPpowercon-F -> IPpowercon-M. compatible 3/5/10/20 meters	▪ AWEXDC1221ADP	Signal adapter kit from AWEXDC1 series to AWEXDC2 series and vice versa
▪ AWEXDC2L03/05/10/20	IP67 DMX extension cable for outdoor architectural projectors 3/5/10/20 meters	▪ AWEXAC12ADP	Power adapter from AWEXAC1 cable series to AWEXAC2 cable series
▪ ARCSM18FILTER20/40/60/1060/3060	Light diffusion filter for ARCSHINEM18 20°/40°/60°/10°x60°/30°x60°	▪ UPBOX1U	Firmware uploader kit, USB IN, 3pin XLR DMX OUT, USB OUT

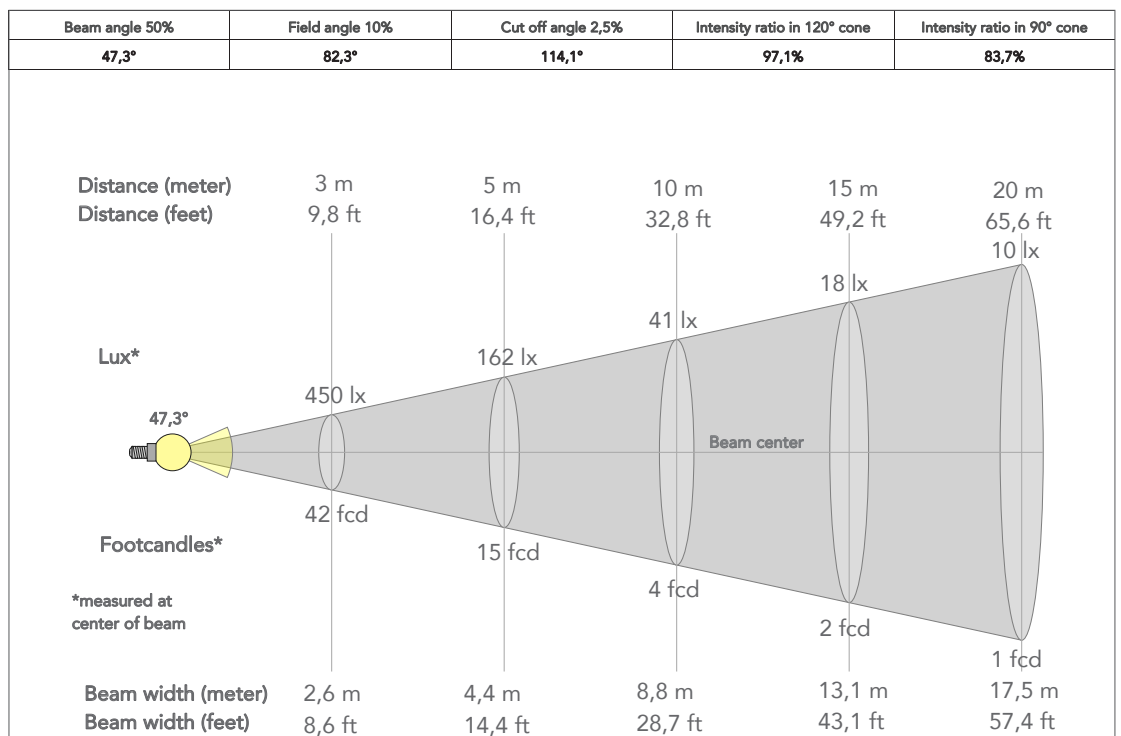
**PRESET FULL ON**

Beam angle 50%: 8°

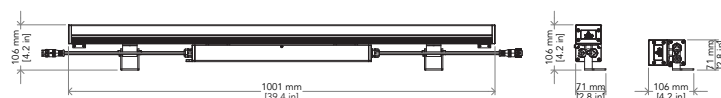


**PRESET FULL ON (10°x60°)**

Beam angle 50%: 8°



**TECHICAL DRAWINGS**



**CERTIFICATIONS / APPROVALS**



Conforms to UL STD. 1573  
 Certified to CSA STD: C22.2 NO. 166

Visit our website  
 for specifications and  
 tech documentations

