ArcShine M18FC

18x4W IP66 RGB + Warm White architectural linear bar, 100 cm
ORDER CODE: **ARCSHINEM1808FC**

PROLIGHTS

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 RGBWW LEDs
- CCT:2.700 K - 5.600
- 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 @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: RGB + Warm White
- 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 (UPBOXPRO/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):18 units on a single power line
- Power factor:>0,94
- Inrush current:110VAC/12.85A, 230VAC/20.3A

PHYSICAL
- IP rating:66 for outdoor installations
- 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
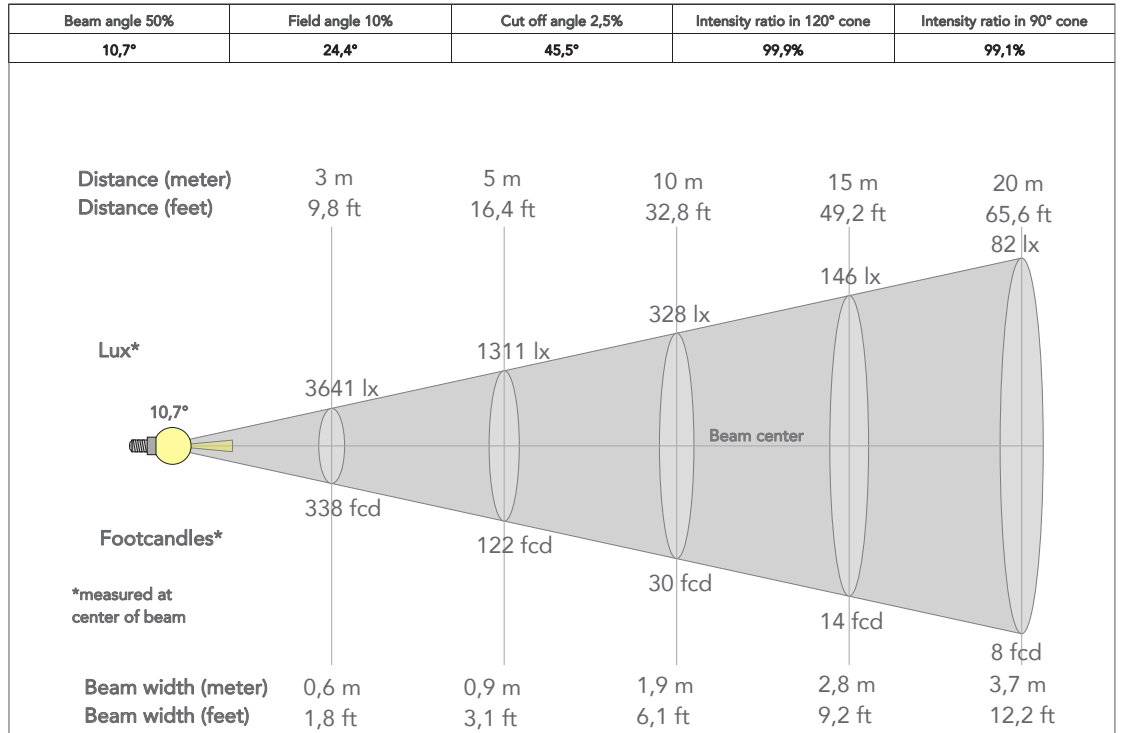- Certifications / Approvals: CE, UKCA, RCM, cTUVus, FCC

ACCESSORIES & RELATED PRODUCTS

ARCS18FIXBD	Barndoor to adjust the light beam for ARCSHINES18 and ARCSHINEM18
AWEXAC2L03/05 10/20	Extension IP67 power cable, IPpowercon-F -> IPpowercon-M. compatible 3/5/10/20 meters
AWEXDC2L03/05 10/20	IP67 DMX extension cable for outdoor architectural projectors 3/5/10/20 meters
ARCSM18FILTER20/40 60/1060/3060	Light diffusion filter for ARCSHINEM18 20°/40°/60°/10°x60°/30°x60°

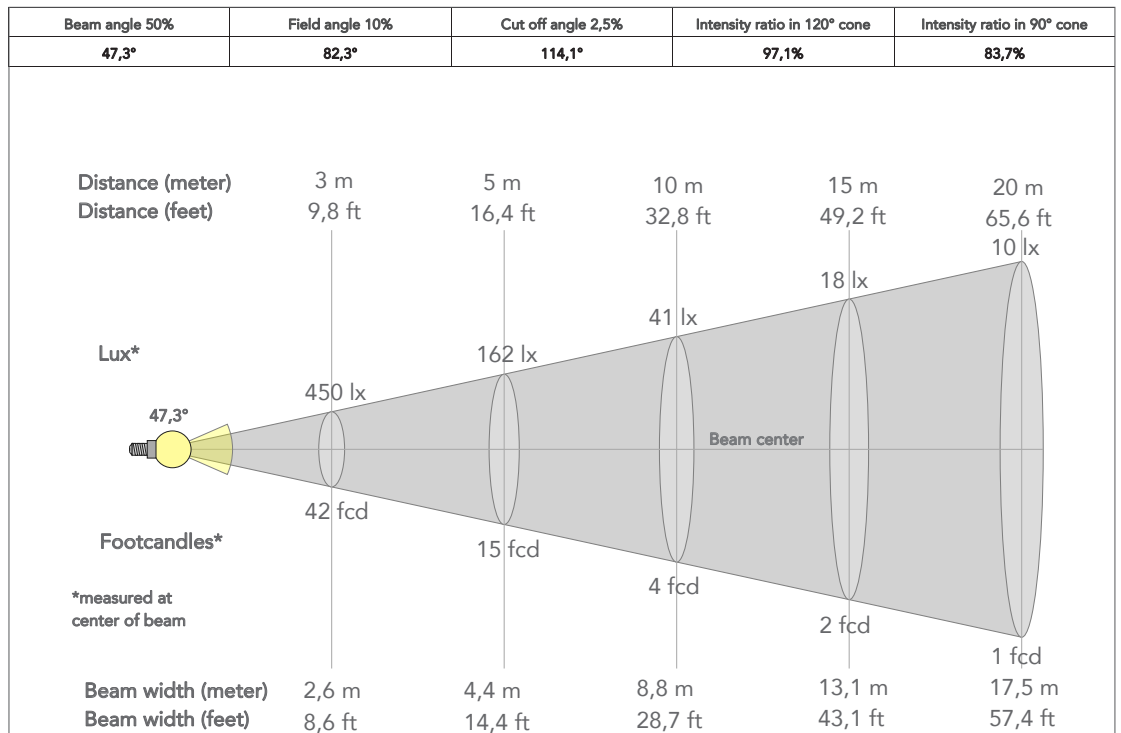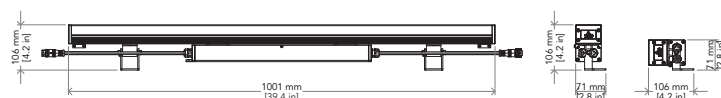|	
ARCSSM18OUTERCASE	Outercase box for ground installation for ARCSHINES18 and ARCSHINEM18 series
AWEXDC1221ADP	Signal adapter kit from AWEXDC1 series to AWEXDC2 series and vice versa
AWEXAC12ADP	Power adapter from AWEXAC1 cable series to AWEXAC2 cable series
UPBOX1U	Firmware uploader kit, USB IN, 3pin XLR DMX OUT, USB OUT

PRESET FULL ON
Beam angle 50%: 8°

Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,7°	24,4°	45,5°	99,9%	99,1%

	3 m	5 m	10 m	15 m	20 m
Distance (meter)	3 m	5 m	10 m	15 m	20 m
Distance (feet)	9,8 ft	16,4 ft	32,8 ft	49,2 ft	65,6 ft
Lux*	3641 lx	1311 lx	328 lx	146 lx	82 lx
Footcandles*	338 fcd	122 fcd	30 fcd	14 fcd	8 fcd
Beam width (meter)	0,6 m	0,9 m	1,9 m	2,8 m	3,7 m
Beam width (feet)	1,8 ft	3,1 ft	6,1 ft	9,2 ft	12,2 ft

10,7°

Beam center

*measured at center of beam

PRESET FULL ON (10°x60°)
Beam angle 50%: 8°

Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
47,3°	82,3°	114,1°	97,1%	83,7%

	3 m	5 m	10 m	15 m	20 m
Distance (meter)	3 m	5 m	10 m	15 m	20 m
Distance (feet)	9,8 ft	16,4 ft	32,8 ft	49,2 ft	65,6 ft
Lux*	450 lx	162 lx	41 lx	18 lx	10 lx
Footcandles*	42 fcd	15 fcd	4 fcd	2 fcd	1 fcd
Beam width (meter)	2,6 m	4,4 m	8,8 m	13,1 m	17,5 m
Beam width (feet)	8,6 ft	14,4 ft	28,7 ft	43,1 ft	57,4 ft

47,3°

Beam center

*measured at center of beam

TECHICAL DRAWINGS

106 mm [4.2 in]
1001 mm [39.4 in]
106 mm [4.2 in]
71 mm [2.8 in]
71 mm [2.8 in]
106 mm [4.2 in]

CERTIFICATIONS / APPROVALS