

ArcSpot DotFC

IP66 Spot featuring 590 lumen with 1x20W RGB+WarmWhite source, 5° native
ORDER CODE: **ARCSPOTDOTFCGY**



The **ArcSpot** series offers a range of IP66-rated dynamic luminaires, designed for exterior lighting of landscapes, trees, architectural features, and facades. This series provides a variety of fixture sizes and accessories, enabling precise targeting of the desired light intensity and quality for any application.

Among the series, the **ArcSpot** DotFC stands out as an extra small round spot. It is equipped with a 20W RGB+WarmWhite LED source, delivering a focused ultra-narrow 5° beam angle with a fixture output of 590 lumens.

These fixtures are engineered with a dual chamber design, with the physical separation of light sources and power units. This not only facilitates individual component replacement but also enhances heat dissipation, contributing to more durable applications and extended product longevity. Enhanced with a C5M marine-grade treatment, they are ideal for outdoor use, even in challenging salty environments or near the sea.

The unit is DMX compatible, offering the convenience of remote management via RDM.

Completing the **ArcSpot** series is a comprehensive selection of optics, holographic filters and light modifiers, providing endless possibilities in light distribution to suit every occasion.

MAIN FEATURES

- Exterior Spot featuring 590 lumen with 1x20W RGB+WarmWhite LED source
- IP66 with C5M for permanent exterior installation also in marine environment with dual chamber design
- Comprehensive selection of optics, holographic filters and light modifiers

TECHNICAL SPECIFICATION

LIGHT SOURCE

- Source: 1 x 20W RGB + Warm White LED
- Luminous flux: 592 @Full
- Lux: 699lx @5 m full
- Source life expectancy: > 90.000 hrs (L70B10 @Ta 25° C / 77° F)

OPTICS

- Beam angle: 5°
- Field angle: 14°
- Lens diameter: 60mm / 2.36"
- Additional optics: see available accessories

COLOUR SYSTEM

- Colour mixing: RGB + Warm White
- CCT: CCT channel from 2.800K to 10.000K
- Tint correction: ± green correction adjustment
- Colour wheel: gel filters included
- Macros: built-in white presets

DYNAMIC EFFECTS

- Static mode: selection of static dimmer, colors and color temperature
- Manual mode: manual adjustment of colour
- Auto mode: built-in programs with execution speed adjustment

CONTROL

- Supported Protocols: DMX512, RDM
- DMX channels: 5 / 6 / 9 / 12ch
- RDM: for remote addressing and parameter configuration
- Display: user interface through DATAMASTER external coder (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
- Selectable PWM: 600 to 25000 Hz (selectable steps)
- Firmware upgrade: via DMX with UPBOXPRO/UPBOX1 (not included)

CONNECTIONS

- Power connection: 53 cm moulded IP power IN connector
- Signal connection: 53 cm moulded IP signal IN/OUT connectors
- Adaptors: XLR and BARE END 16A adaptors included

ELECTRICAL

- Mains power supply: 100-240V - 50/60Hz
- Max power consumption (230V): 24W
- Standby power: 0,5 W
- Power factor: > 0,9

PHYSICAL

- IP rating: IP66 for outdoor installations
- IK rating: IK07 impact rating
- Housing: Sturdy die-cast aluminium body, scratch-resistant C5M Marine Grade paint (as standard)
- Finish: basalt grey (RAL 7012)
- Operating temperature: Ta -20 to +45 °C (-4 to +113 °F)
- Dimensions (WxHxD): 132x156x112mm / 5.2"x6.14"x4.41"
- Weight: 1,1kg / 2.43lbs

INSTALLATION

- Suspension and fixing: bracket for hanging and positioning
- Hardware on-board: optional accessories: half snoot

CERTIFICATIONS / REPORTS

- Compliance: CE, RCM, FCC, cTUVus

BOX CONTENT

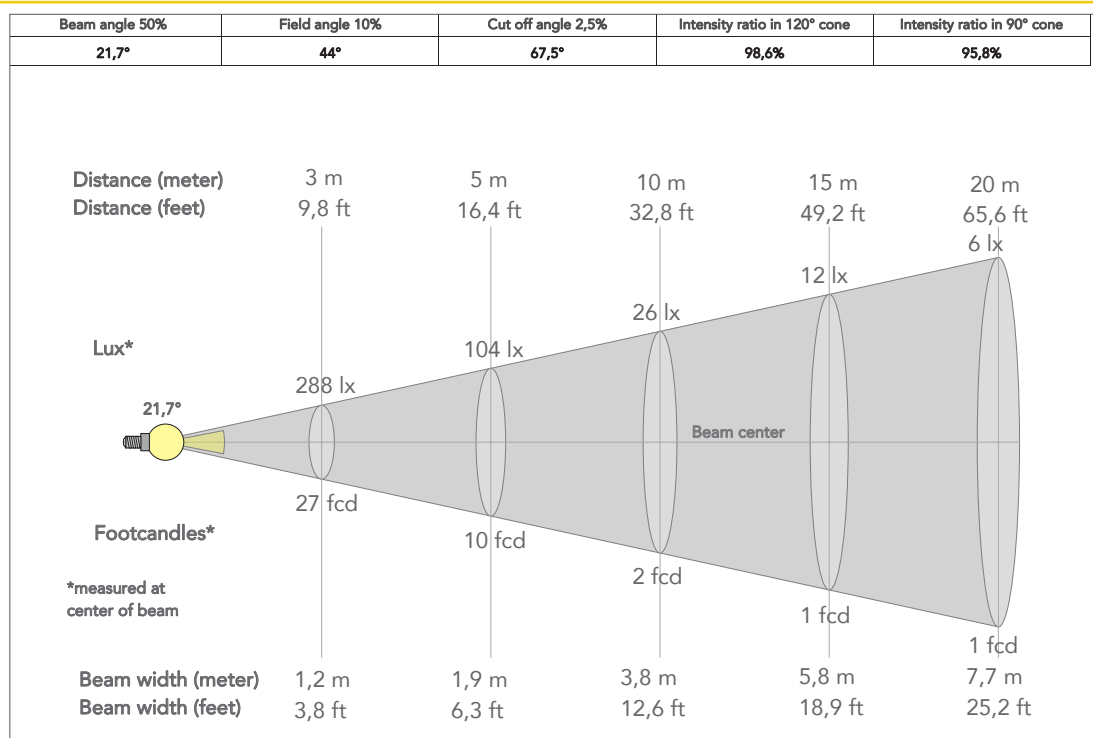
- 1 x ARCSPOTDOTFC
- 1 x 0,3 meters 3G1mmq power cable (BARE END - IP connection adapter)
- 1 x 5p XLR - IP connection male adapter
- 1 x 5p XLR - IP connection female adapter
- 1 x User Manual

ACCESSORIES & RELATED PRODUCTS

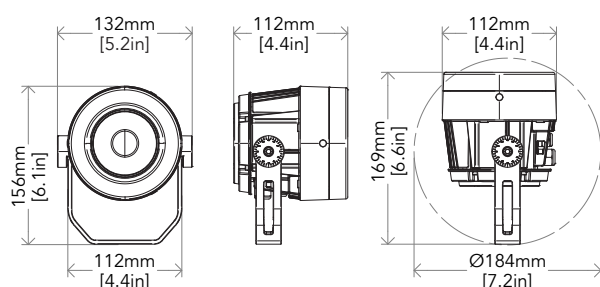
▪ ARDOTDOME	Dome Diffuser for ARCSPOTDOT and ARCSPOTXS series	▪ ASPOTOUTERCASEDOT	Outercase box for ground installation for ARCSPOTXS series
▪ ARCSKP	ArcSpot Series Ground Spike, RAL7012 with C5M (Marine Grade)	▪ AWEXAC203/05/10/20	Extension IP67 power cable, IPpowercon-F -> IPpowercon-M, 3/5/10/20m
▪ DATAMASTER	RDM/DMX tool, cable tester, 5p XLR connectors, pouch, charging cable, XLR adapters	▪ AWEXDC2L0305/10/20	Extension IP67 signal cable, IPdataCON-F -> IPdataCON-M, 3/5/10/20m
▪ PLYPC3010E73D	Y splitter power cable 3x1.0 mm ² , IP67 connectors (1 IN + 2 OUT), 80 cm length	▪ AWEXDC1221ADP	Signal adapter kit from AWEXDC1 series to AWEXDC2 series and vice versa
▪ THR390S3T	3-Way junction connector, 'T' type, 3 Poles, IP68	▪ AWEXAC12ADP	Power adapter from AWEXAC1 cable series to AWEXAC2 cable series
▪ THR209S6D	4-Way junction box type H, 3 poles, IP66/IP68	▪ IPTESTBOX	Portable vacuum and pressure tester for ProLights IP fixtures
▪ CRMXBOXIP67	IP67 1 Universe CRMX Wireless Transceiver for exterior installation	▪ UPBOXPRO	Firmware uploader kit, USB IN, 5-pin XLR DMX OUT connector
▪ ARDOTSFILTER20/40/60 1060/3060	Light diffusion filter for ARCSPOTDOT series, 20°/40°/60°/10°x60°/30°x60°		
▪ ARDOTHSNOOTGY	Half snoot for ARCSPOTXS series		

PRESET FULL ON

Beam angle 50%:



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

