ArcSpot DotVW

IP66 Spot featuring 650 lumen with 1x20W Variable White source, 5° native

ORDER CODE: **ARCSPOTDOTVWGY**

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** DotVW stands out as an extra small round spot. It is equipped with a 20W Variable White LED source, delivering a focused ultra-narrow 5° beam angle with a fixture output of 650 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 650 lumen with 1x20W Variable White 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 20 W Variable White LED
- CCT:2700K - 6500K
- Luminous flux:690 @full
- Lux:2370 lx @5 m full
- CRI:97 @WW; 92 @CW; 96 @full
- R9:92 @full
- TLCI:97 @WW; 99 @CW; 98 @full
- TM30 Rf:>96 @WW; >93 @CW; >94 @full
- TM30 Rg:<101 @WW; <101 @CW; <104 @full
- Source life expectancy: > 90.000 hrs (L70B10 @Ta 25° C / 77° F)

OPTICS
- Beam angle:5 °
- Additional optics: see available accessories

COLOUR SYSTEM
- Colour mixing: tunable white
- CCT: linear CCT control
- Colour wheel: built-in white presets
- Macros: several pre-built macros with adjustable speed

DYNAMIC EFFECTS
- Static mode: selection of static dimmer and color temperature
- Manual mode: manual adjustment of dimmer and strobe
- Auto mode: built-in programs with execution speed adjustment

BODY
- Hardware on-board: optional accessories: half snoot and louvre
- Body: sturdy die-cast aluminium body, scratch resistant paint (C5M as standard)
- Body colour:RAL 7012

CONTROL
- Protocols: DMX512, RDM
- DMX channels:2 / 3 / 4 / 9 channel
- 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)
- LED Control: flicker free frequency with adjustable PWM
- Selectable PWM: 600 ~ 25.000 Hz

ELECTRICAL
- Mains power supply: 100-240V - 50/60Hz
- Max power consumption:24 W
- Power factor:> 0,9
- Inrush current:230VAC/30A, 110VAC/33A

PHYSICAL
- IP rating:66 for outdoor installations
- IK rating:07
- Suspension and fixing: bracket for hanging and positioning
- Adaptors: XLR and BARE END 16A adaptors included
- Signal connection: moulded IP signal IN/OUT connectors
- Power connection: moulded IP power IN connector
- Dimensions (WxHxD):132x156x112 mm
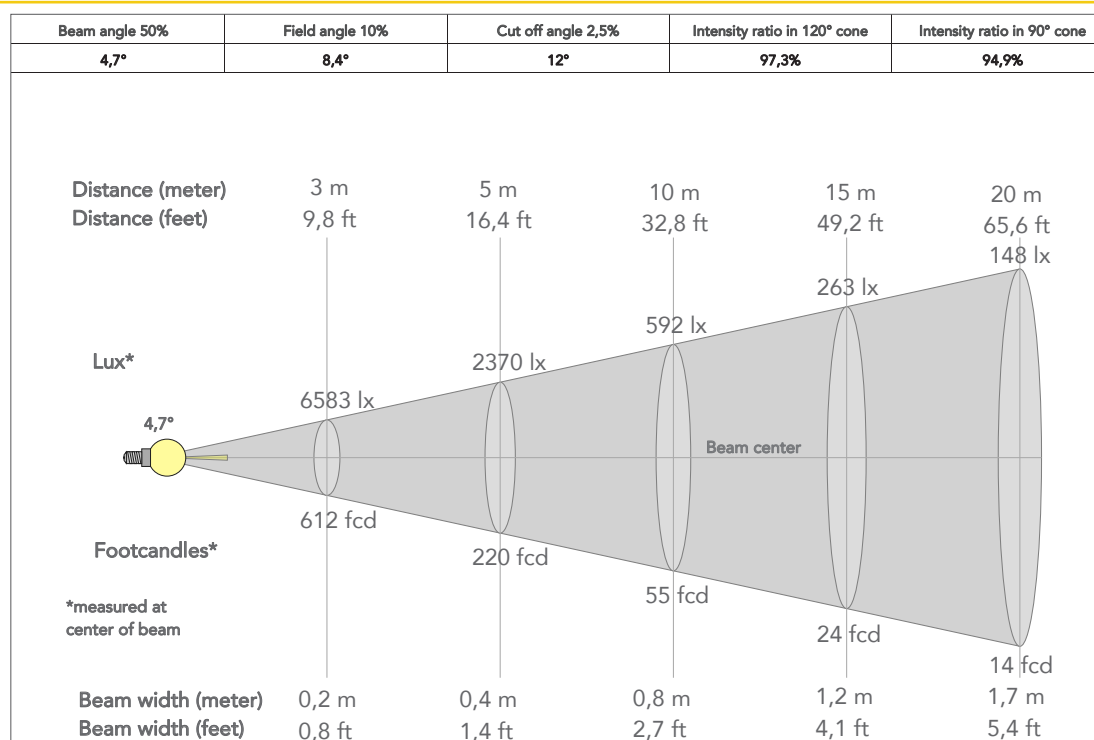- Weight:1,4 kg

CERTIFICATIONS / APPROVALS
- Certifications / Approvals: CE, RCM, FCC, cTUVus
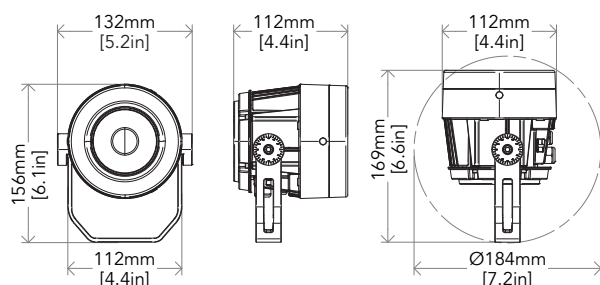
ACCESSORIES & RELATED PRODUCTS

- **CRMXBOXIP67** — IP67 1 Universe CRMX Wireless Transceiver for exterior installation
- **ARDOTFILTER20/40/60 1060/3060** — Light diffusion filter for ARCSPOTDOT series, 20°40°/60°/10°x60°/30°x60°
- **ARDOTHSNOOTGY** — Half snoot for ARCSPOTDOT series
- **AWEXAC203/05/10/20** — Extension IP67 power cable, IPpowercon-F -> IPpowercon-M, 3/5/10/20m
- **AWEXDC2L0305/10/20** — Extension IP67 signal cable, IPdataCON-F -> IPdataCON-M, 3/5/10/20m

- **AWEXDC1221ADP** — Signal adapter kit from AWEXDC1 series to AWEXDC2 series and vice versa
- **AWEXAC12ADP** — Power adapter from AWEXAC1 cable series to AWEXAC2 cable series
- **IPTESTBOX** — Portable vacuum and pressure tester for ProLights IP fixtures
- **UPBOX1UP5** — Firmware uploader kit, USB IN, 5p XLR DMX OUT, DMX OUT
- **UPBOXPRO** — Firmware uploader kit, USB IN, 5-pin XLR DMX OUT connector

PRESET FULL ON

Beam angle 50%:

Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
4,7°	8,4°	12°	97,3%	94,9%

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*	6583 lx	2370 lx	592 lx	263 lx	148 lx
Footcandles*	612 fcd	220 fcd	55 fcd	24 fcd	14 fcd
Beam width (meter)	0,2 m	0,4 m	0,8 m	1,2 m	1,7 m
Beam width (feet)	0,8 ft	1,4 ft	2,7 ft	4,1 ft	5,4 ft

4,7°

Beam center

*measured at center of beam

TECHICAL DRAWINGS

132mm [5.2in]
156mm [6.1in]
112mm [4.4in]

112mm [4.4in]

112mm [4.4in]
169mm [6.6in]
Ø184mm [7.2in]

CERTIFICATIONS / APPROVALS

Visit our website for specifications and tech documentations

CE