EclPar DOTFC

20W RGB+WW LED pinspot, 6° beam angle

ORDER CODE: **ECLPARDOTFC**

EclPar DotFC is an ultra-compact, fan-free pinspot featuring a larger front lens and enhanced output. It delivers a bright, narrow projection with smooth colour mixing and advanced colour control. A 20W RGB + Warm White LED paired with a 60 mm lens produces a halo-free 6° beam, staying tight and bright even over long throws ideal for highlights, accents, scenic elements, set pieces, and discreet stage lighting.

EclPar DotFC combines an RGB+WW LED source with the advantages of SpektraOs, providing advanced colour control, consistent colour reproduction, and high-fidelity whites with excellent colour rendering.

The fixture is passively cooled and completely silent. With a weight of only 1.2 kg and an ultra-compact form factor, it can be placed virtually anywhere. On-board DMX (XLR) in/out and power in/out connections make installation fast and enable easy daisy-chaining. The integrated push encoder also allows intuitive standalone operation without a control signal, ensuring quick setup and ease of use.

MAIN FEATURES

- 20W RGB + Warm White LED, 2,800 K - 10,000 K
- Tight 6° beam with 60 mm lens, halo-free projection
- SpektraOs for advanced colour control and high-fidelity white reproduction
- Fan-free, 1.2 kg, with chassis-mounted DMX in/out and power in/out for easy daisy-chain wiring

TECHNICAL SPECIFICATION

LIGHT SOURCE
- Source: 1 x 20W RGB + Warm White LED
- Source CCT: 2.800K - 10.000KK
- Luminous flux: 627 @Full
- Lux: 1352lx @5 m full
- CRI: 94,2 @3.200K; 91,1 @5.600K
- R9: 97,2 @3.200K; 96,6 @5.600K
- TM30 Rf: 91,7 @3.200K; 90,3 @5.600K
- TM30 Rg: 105,9 @3.200K; 108,2 @5.600K
- Source life expectancy: > 90.000 hrs (L70B10 @Ta 25° C / 77° F)

OPTICS
- Beam angle: 6°
- Field angle: 11,5°
- Lens diameter: 60mm / 2.36"

COLOUR SYSTEM
- Spektra OS: unmatched color precision and consistency
- Colour mixing: RGB + Warm White
- CCT: CCT control range from 2.800K to 10.000K, + / - green correction, tungsten emulation
- White presets: 2.800 K ~ 10.000K
- Colour wheel: gel filters included

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
- Special features: linear crossfade channel from any white to any colour; virtual CTO on colours

CONTROL
- Supported Protocols: DMX512, RDM
- DMX channels: 1 / 2 / 5 / 6 / 9 / 12 / 13ch
- RDM: for remote addressing and parameter configuration
- Display: LED display user interface
- Stand Alone: push encoder
- Master/Slave: for synchronised operation of more units linked in a chain

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: Seetronic powerCON IN/OUT connectors
- Signal connection: Amphenol XLR 5p IN/OUT connectors

ELECTRICAL
- Mains power supply: 100-240V - 50/60Hz
- Max power consumption (230V): 25W
- Standby power: 1 W
- Power factor: > 0,9

PHYSICAL
- IP rating: IP20
- Cooling: fan-free with natural convection
- Housing: Sturdy die-cast aluminium body
- Finish: black
- Operating temperature: Ta -10 to +45 °C (+14 to +113 °F)
- Dimensions (WxHxD): 165x221x144mm / 6.5"x8.7"x5.67"
- Weight: 1,2kg / 2.65lbs

INSTALLATION
- Suspension and fixing: double hanging bracket suitable for safe hanging and for floor positioning
- Other: Front mount holder for accessories - see available accessories

CERTIFICATIONS / REPORTS
- Compliance: CE, RCM, cTUVus

BOX CONTENT
- 1 x ECLPARDOTFC
- 1 x 1,5 meters 3G1,5mmq power cable (BARE END - SEETRONIC POWERCON TRUE1 IP65 power connector)
- User Manual

ACCESSORIES & RELATED PRODUCTS

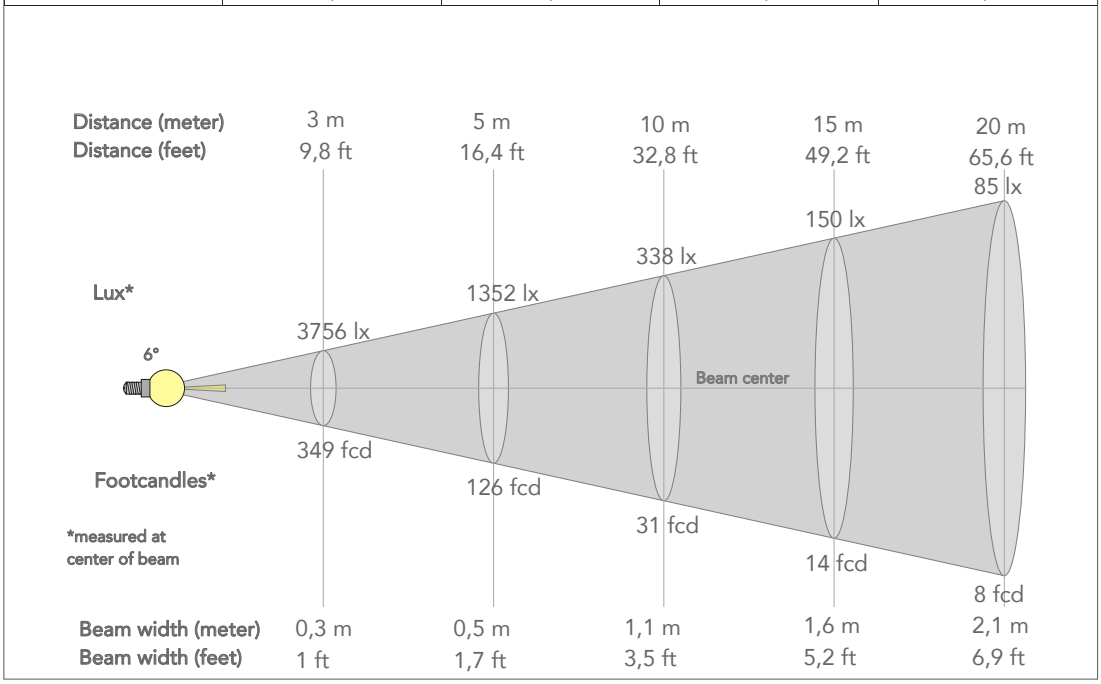
▪ PPBAG02	Waterproof and rugged Polypropylene case, 414x345x174 mm
▪ PDOTFSNOOT	Full Snoot Accessory for EclParDOT
▪ PDOTCLOUVRE	Concentric Louvre Accessory for EclParDOT
▪ SPGM10	28mm spigot for fixtures, M10 bolt
▪ SPGM12	28mm spigot for fixtures, M12 bolt
▪ RSR0630B	Steel security cable for hanging bodies, inox steel shackle
▪ C6002B	Slim aluminium clamp, 200 kg loading, 48-51 mm tubes, M10 bolt
▪ UPBOXPRO	Firmware uploader kit, USB IN, 5-pin XLR DMX OUT connector

▪ TOUR53415L03BK	Dmx cable HC5340. CANC5MXX XLR 5p->CANC5FXX XLR (f) 5p
▪ 958215L03	3x1.5mm TH07 Cable, 16A 3p PwCon MXW, 16A 3p PwCon FXW
▪ 9513FXWL03	Ass. 3x2.5mm TH07 cable, 16A 3p 230V CEE plug, MENAC3FXW socket
▪ 9533FXWL03	Ass. 3x2.5mm TH07 cable, SCHUKO plug, MENAC3FXW socket

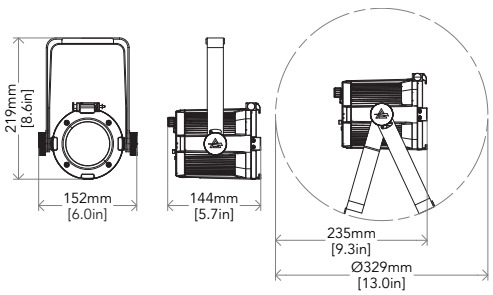
PRESET FULL ON

Beam angle 50%: 6°

Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
6°	11,5°	16,4°	99,6%	98,0%



TECHICAL DRAWINGS



CERTIFICATIONS / APPROVALS

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

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**** WARNING *** features, specifications and appearance are subject to change without notice*