EclExpo Flood300FC

300W Full Colour RGB+WarmWhite asymmetric LED floodlight

The **EclExpo** Flood300FC is a Full Spectrum high power LED Floodlight, designed for exhibitions and showrooms, as a high-quality LED replacement of traditional tungsten, CDM or HMI asymmetric floods.

The **EclExpo** Flood300FC has a calibrated 300W RGB+WarmWhite LED source, ensuring high-quality white reproduction across the entire CCT with high CRI and TM30 and advanced control over colours. Combined with a reflector, it has a wide asymmetric beam angle of 100° (Horizontal) x 60° (Vertical) of indirect light emission. This unit is incredibly user-friendly, using remote control via DMX and RDM (optional W-DMX + CRMX), or intuitive stand-alone operation through an on-board display and two rotatory knobs CCT, colours and dimmer settings.

Its unique design and performance set a new standard for exhibition floodlights.

MAIN FEATURES

- 300W calibrated RGB+WarmWhite source, with high CRI and TM30
- Asymmetric beam angle of 100° (horizontal) x 60° (vertical)
- Xlr5p in/through for DMX/RDM control and communication, optional W-DMX + CRMX, Stand-Alone mode through two rotatory knobs

VERSIONS

Code	Housing
ECLEXPOFL300FCBK	Black
ECLEXPOFL300FCWH	White

TECHNICAL SPECIFICATION

LIGHT SOURCE
- Source: 300W RGB + Warm White LED
- Luminous flux: 10'197 @3.200 K
- Lux: 119lx @5 m
- CRI: 93,6 @5'600K
- R9: 95,2 @5'600K
- TLCI: 93 @5'600K
- TM30 Rf: 91,7 @5'600K
- TM30 Rg: 105,3 @5'600K
- Source life expectancy: > 20.000 h

OPTICS
- Optics: asymmetrical beam reflector in pure aluminium 99,6%
- Beam angle: (H) 100° x (V) 60°
- Additional optics: 5° smooth filter on-board
- COLOUR SYSTEM
- Colour mixing: RGB + Warm White
- CCT: CCT control, + / - green correction, tungsten emulation
- White presets: 2.800 K - 10.000K
- Colour wheel: built-in white presets

DYNAMIC EFFECTS
- Control Resolution: 16-bit dimmer
- Static mode: selection of static dimmer, colors and color temperature
- Manual mode: manual adjustment of intensity, CT, colour correction from knob
- Auto mode: built-in programs with execution speed adjustment

BODY
- Body: sturdy die-cast magnesium body
- Body colour: RAL 9004
- Other: see available accessories

CONTROL
- Protocols: DMX512, RDM, CRMX
- Stand Alone: 2 rotatory knobs
- DMX channels: 1/2/5/9/10/12/18channel

- Wireless Control: optional, LumenRadio Timo Fx DMX/RDM compatible with both CRMX (Lumen Radio) and W-DMX (Wireless DMX)
- RDM: RDM for remote monitoring and settings
- Display: Graphic User Interface
- Firmware upgrade: yes, via USB - DMX interface (UPBOXPRO/UPBOX1) not included
- 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
- Operating temperature: -10° ~ +45°
- Selectable PWM: 600 ~ 40.000 Hz

ELECTRICAL
- Mains power supply: 100-240V - 50/60Hz
- Max power consumption: 300W
- Standby power: 110V (60Hz): 2,1W; 230V (50Hz): 3,2W
- Output (at 230V): 7 units on a single power line
- Power factor: > 0,97
- Inrush current: 110V (60Hz): 8,8A; 230V (50Hz): 17,9A

PHYSICAL
- IP rating: 20
- Cooling: active, silent operation
- Suspension and fixing: bracket for hanging and positioning
- Signal connection: Amphenol XLR 5p IN/OUT connectors
- Power connection: Seetronic powerCON TRUE IP65 IN/OUT
- Dimensions (WxHxD): 391x247x210mm / 15.39''x9.72''x8.27''
- Weight: 5,2kg / 11.46lbs

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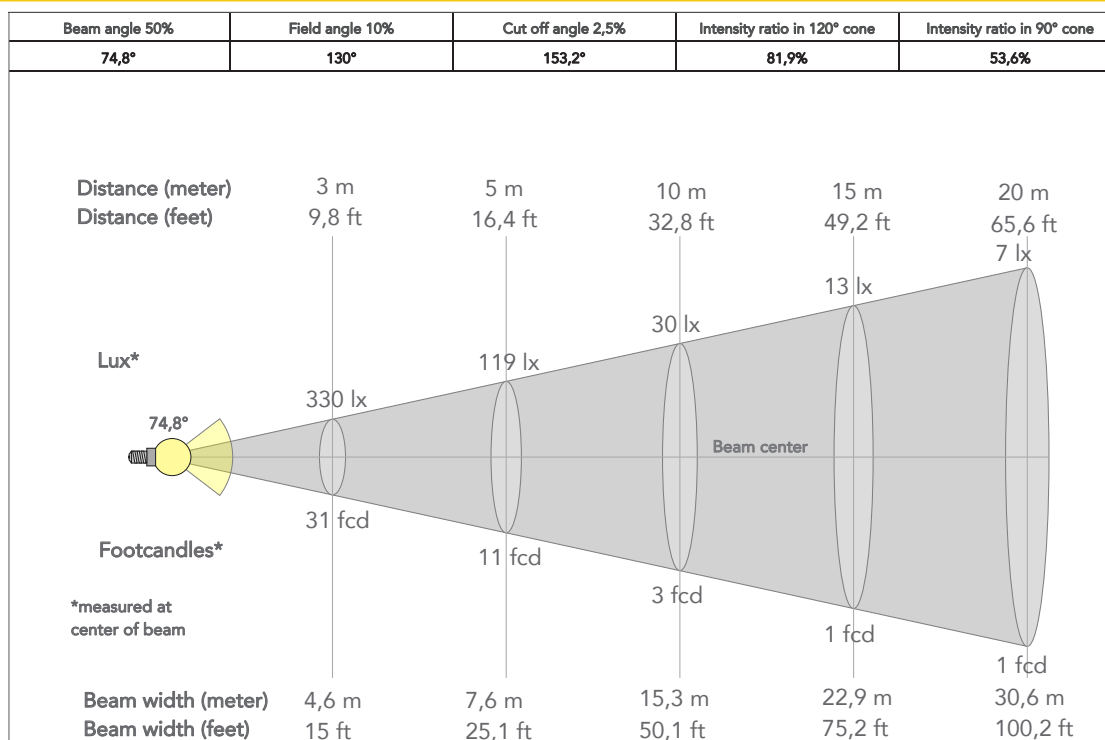- Certifications / Approvals: CE, UKCA, RCM, cTUVus, FCC

ACCESSORIES & RELATED PRODUCTS

- ECLEXPOFL300VWFFB/W — Filter frame for ECLEXPOFL300VW, black/white finishing
- ECLEXPOFL300VWLVB/W — Anti-glare louvre for ECLEXPOFL300VW, black/white finishing
- ECLEXPOFL300VWBDB/W — Barndoor for ECLEXPOFL300VW, black/white finishing
- ECLEXPOFL300VWWKB/W — Wireless kit for ECLEXPOFL300VW, black/white finishing
- SPGM10 — 28mm spigot for fixtures, M10 bolt
- SPGM12 — 28mm spigot for fixtures, M12 bolt
- UPBOX1UP5 — Firmware uploader kit, USB IN, 5pin XLR DMX OUT, USB OUT
- RSR0630B — Steel security cable for hanging bodies, inox steel shackle, L=60 cm, black
- WSBBR512G6 — BlackBox R-512 G6 receiver 512Ch, 2.45GHz,DMX&RDM,Bluetooth,G3,G4,G4S,G5,CRMX
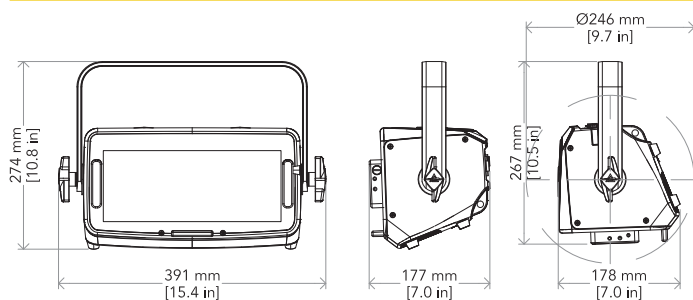- C6002B — Slim aluminum clamp, 200kg loading, 48-51mm tubes, M10 bolt, Black

- FCLEXPOFL300VW — Flight case for 6 pcs of ECLEXPOFL300VW
- 9513FXWL03 — Ass. 3x2.5mm TH07 cable, 16A 3p 230V CEE plug, MENAC3FXW socket, L.3 m
- 958225L03 — 3x2.5mm TH07 Cable, 16A 3p PwCon MXW, 16A 3p PwCon FXW, L. 3m
- TOUR53415L03 — Dmx cable HC5340. CANC5MXX XLR 5p->CANC5FXX XLR (f) 5p, L.3m
- WSBBF1G5 — BlackBox F-1 G5 transmitter, 2,45GHz & 5.2/5,8 GHz, DMX/RDM, 512Ch
- WSBBF1G6 — BlackBox F-1 G6 transrec, 512ch, 2.45GHz, DMX&RDM,Bluetooth,G3,G4,G4S, G5, CRMX
- WSBBR512G5 — BlackBox R-512 G5 receiver 512Ch, 2.45GHz & 5.8GHz, DMX/RDM optional

PRESET 3,200K

Beam angle 50%: 74,8°

Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
74,8°	130°	153,2°	81,9%	53,6%

	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*	330 lx	119 lx	30 lx	13 lx	7 lx
Footcandles*	31 fcd	11 fcd	3 fcd	1 fcd	1 fcd
Beam width (meter)	4,6 m	7,6 m	15,3 m	22,9 m	30,6 m
Beam width (feet)	15 ft	25,1 ft	50,1 ft	75,2 ft	100,2 ft

74,8°

Beam center

*measured at center of beam

TECHICAL DRAWINGS

274 mm [10.8 in]
391 mm [15.4 in]
177 mm [7.0 in]
178 mm [7.0 in]
267 mm [10.5 in]
Ø246 mm [9.7 in]

CERTIFICATIONS / APPROVALS

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

Visit our website for specifications and tech documentations

FC   CE   ✓