

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
ECLEXPFL300FCBK	Black
ECLEXPFL300FCWH	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: > 30.000 hrs (L70B10 @Ta 25° C / 77° F)

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 control
- 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

CONTROL

- Supported Protocols: DMX512, RDM, CRMX (optional)
- DMX channels: 1/2/5/9/10/12/18ch
- RDM: for remote addressing and parameter configuration
- Display: Graphic User Interface
- Stand Alone: 2 rotatory knobs
- 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 40000 Hz (selectable steps)
- Firmware upgrade: via DMX with UPBOXPRO/UPBOX1 (not included)

CONNECTIONS

- Power connection: Seetronic powerCON TRUE IP65 IN/OUT
- Signal connection: Amphenol XLR 5p IN/OUT connectors
- Wireless Connection: optional LumenRadio TiMo FX RDM - CRMX and W-DMX compatible

ELECTRICAL

- Mains power supply: 100-240V - 50/60Hz
- Max power consumption (230V): 310W
- Output (at 230V): 7 units on a single power line
- Standby power: 110V (60Hz): 2,1W; 230V (50Hz): 3,2W
- Power factor: > 0,97

PHYSICAL

- IP rating: IP20
- Cooling: forced-air with low-noise fan
- Housing: Sturdy die-cast magnesium body
- Finish: black (RAL 9004)
- Operating temperature: Ta -10 to +45 °C (+14 to +113 °F)
- Dimensions (WxHxD): 391x254x208mm / 15.39"x10"x8.19"
- Weight: 5,2kg / 11.46lbs

INSTALLATION

- Suspension and fixing: bracket for hanging and positioning
- Other: see available accessories

CERTIFICATIONS / REPORTS

- Compliance: CE, UKCA, RCM, cTUVus, FCC

BOX CONTENT

- 1 x ECLEXPFL300FC
- 1 x 1,5 meters 3G1,5mmq power cable (BARE END - SEETRONIC POWERCON TRUE1 IP65 power connector)
- User Manual

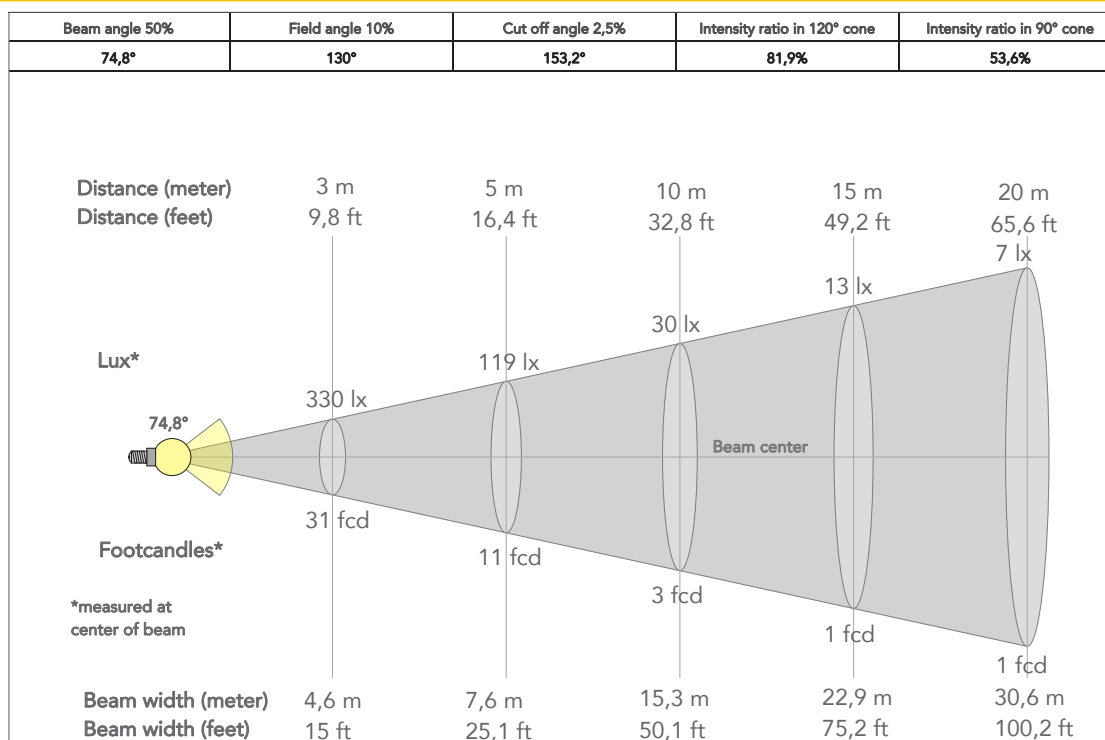
ACCESSORIES & RELATED PRODUCTS

- TOUR53415L03 Dmx cable HC5340. CANS5MXXLR5p->CANS5FX XLR (f) 5p, L.3m
- 958225L03 3x2.5mm TH07 Cable, 16A 3p PwCon MXW, 16A 3p PwCon FXW, L. 3m
- 9513FXWL03 Ass. 3x2.5mm TH07 cable, 16A 3p 230V CEE plug, MENAC3FXW socket, L.3 m
- 9533FXWL03 Ass. 3x2.5mm TH07 cable, SHUKO plug, MENAC3FXW socket, L.3m
- RSR0630B Steel security cable for hanging bodies, inox steel shackle, L=60 cm, black
- C6002B Slim aluminum clamp, 200kg loading, 48-51mm tubes, M10 bolt, Black
- AETHERBOXONE IP65 1x universe CRMX transceiver, DMX, Ethernet protocols, Wi-Fi, Bluetooth, battery-ready, POE

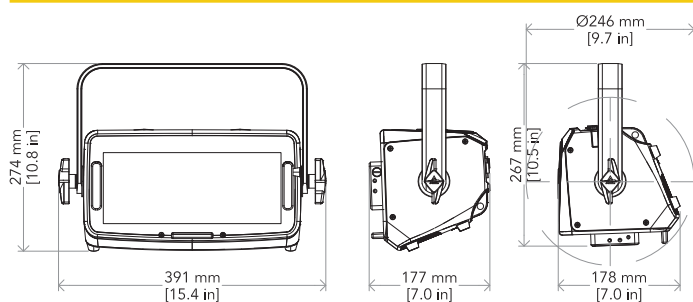
- AETHERBOX IP65 1 universe CRMX transceiver, DMX and Ethernet protocols, Wi-Fi, Bluetooth and battery ready
- FCLEXPOFL300VW Flight case for 6 pcs of ECLEXPOFL300VW
- ECLEXPOFL300VWFFB/W Filter frame for ECLEXPOFL300VW, black/white finishing
- ECLEXPOFL300VWLVB/W Anti-glare louvre for ECLEXPOFL300VW, 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
- UPBOXPRO Firmware uploader kit, USB IN, 5-pin XLR DMX OUT connector

PRESET 3,200K

Beam angle 50%: 74,8°



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

