

EclExpo Flood300IPFC

IP65 300W Full Colour RGB+WarmWhite asymmetric LED floodlight

ORDER CODE: **ECLEXPOFL300IPFCB**



The **EclExpo Flood300 IP** is an IP65 high power LED Floodlight, designed for indoor and outdoor installations as a high-quality LED replacement of traditional tungsten, CDM or HMI asymmetric floods. Combined with a reflector, it has a wide asymmetric beam angle of 100° (Horizontal) x 60° (Vertical) of indirect light emission.

The **EclExpo Flood300 IP** is available in two source variants:

- the **EclExpo Flood300 IP FC** 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;
- the **EclExpo Flood300 IP VW** has a 300W LED source, with variable white ranging from 2,700K to 6,500K, and an outstanding lumen output with high-scoring CRI levels (>95), TM-30, R9.

This unit is incredibly user-friendly, using remote control via DMX and RDM, on-board 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 outdoor exhibition floodlights.

MAIN FEATURES

- IP65 water and dust resistant
- 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, on-board W-DMX + CRMX, Stand-Alone mode through two rotatory knobs

TECHNICAL SPECIFICATION

LIGHT SOURCE

- Source: 300W RGB + Warm White LED
- Luminous flux: 13'865 @3.200 K
- Luminous flux: 13'607 @5.600 K
- Lux: 202lx @5 m 3.200K
- Lux: 195lx @5 m 5.600 K
- CRI: 93,2@5'600K
- R9: 97,3 @5'600K
- TLCI: 92 @5'600K
- TM30 Rf: 90,6 @5'600K
- TM30 Rg: 104,9 @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
- 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: IP65 Seetronic XLR 5p IN/OUT connectors
- Wireless Connection: integrated 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: 3,2 W
- Power factor: > 0,97

PHYSICAL

- IP rating: IP65 for temporary outdoor use
- Cooling: forced-air with low-noise fan
- Housing: Sturdy die-cast magnesium body
- Finish: black (RAL 9004)
- Operating temperature: Ta -20 to +45 °C (-4 to +113 °F)
- Dimensions (WxHxD): 401x256x225mm / 15.79"x10.08"x8.86"
- Weight: 5,9kg / 13.01lbs

INSTALLATION

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

CERTIFICATIONS / REPORTS

- Noise Level: noise test report available for download
- Compliance: CE, RCM, FCC, cTUVus

BOX CONTENT

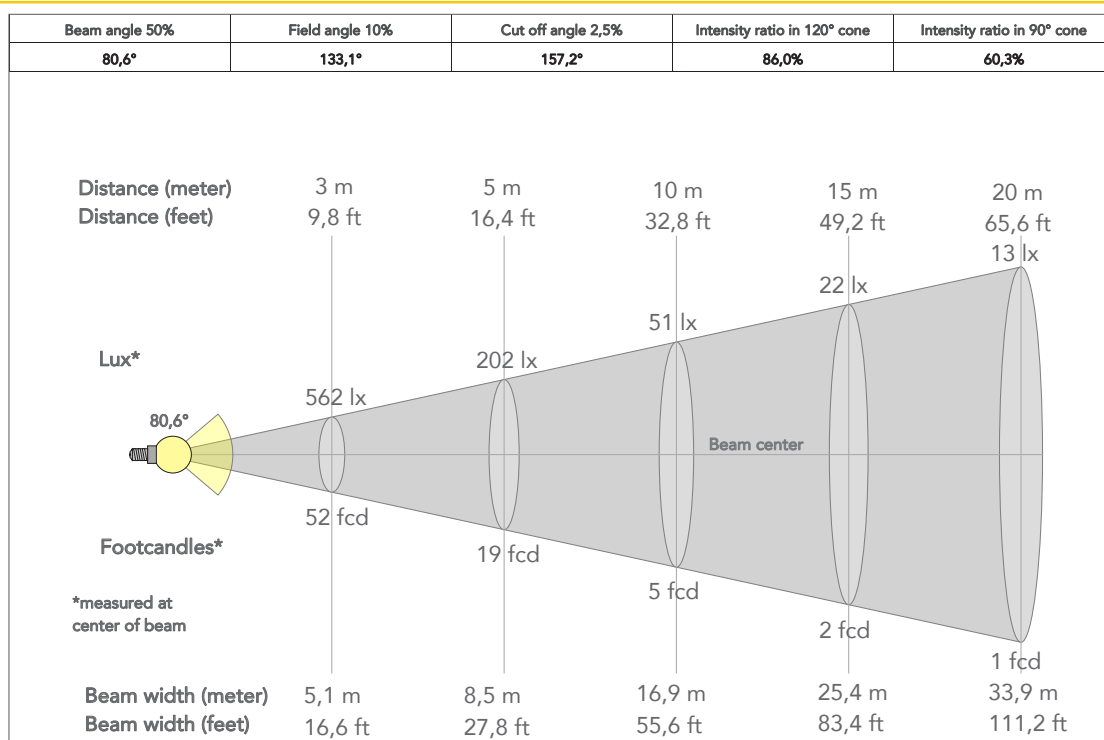
- 1 x ECLEXPOFL300IPFC
- 1 x 1,5 meters power cable (BARE END - SEETRONIC POWERCON TRUE1 IP65)
- User Manual

ACCESSORIES & RELATED PRODUCTS

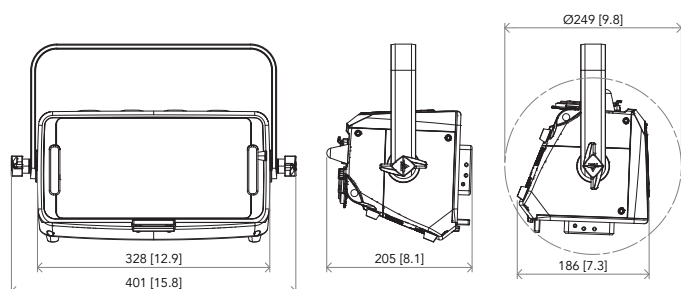
▪ TOUR53415L03	Dmx cable HC5340. CANC5MXXLR5p->CANC5FXX XLR (f) 5p, L.3m	▪ AETHERBOX	IP65 1 universe CRMX transceiver, DMX and Ethernet protocols, Wi-Fi, Bluetooth and battery ready
▪ 958225L03	3x2.5mm TH07 Cable, 16A 3p PwCon MXW, 16A 3p PwCon FXW, L. 3m	▪ FCLEXPOFL300IP	Flight case for 4 pcs of ECLEXPOFL300IP series
▪ 9513FXWL03	Ass. 3x2.5mm TH07 cable, 16A 3p 230V CEE plug, MENAC3FXW socket, L.3 m	▪ ECLEXPOFL300VWFFB/W	Filter frame for ECLEXPOFL300VW, black/white finishing
▪ 9533FXWL03	Ass. 3x2.5mm TH07 cable, SHUKO plug, MENAC3FXW socket, L.3m	▪ ECLFRSPG	Spigot for PROLIGHTS fixtures
▪ RSR0630B	Steel security cable for hanging bodies, inox steel shackle, L=60 cm, black	▪ ECLEXPOFL300VWBDB/W	Barndoor for ECLEXPOFL300VW, black/white finishing
▪ C6002B	Slim aluminum clamp, 200kg loading, 48-51mm tubes, M10 bolt, Black	▪ SPGM10	28mm spigot for fixtures, M10 bolt
▪ AETHERBOXONE	IP65 1x universe CRMX transceiver, DMX, Ethernet protocols, Wi-Fi, Bluetooth, battery-ready, POE	▪ 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%:



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

