

# Ra 2000Profile

540W high-precision LED moving profile

ORDER CODE: **RA2000PROFILE**



The **Ra 2000Profile** has been designed in response to feedback from global users and by lighting designers. A universal moving profile/spot that lighting designers and users can use for theatrical, touring and TV productions. Powerful but silent, compact but fully equipped with both framing shutters and animation wheel, all whilst delivering a superior light quality, the **Ra 2000Profile** is an indispensable tool for any show. The 6.500 K LED engine has been custom engineered to make the **Ra 2000Profile** hit a 13'900 lumen output, keeping a native CRI of 93, TLCI of 93, high R9 and TM30 making all skin tones and colours come to life on stage or in front of a camera. The **Ra 2000Profile's** CMY system delivers beautiful pastels, stunning saturated colours and powerful primaries. One colour wheel provides split colours, and linear CTO allows the **Ra 2000Profile** to blend in with traditional sources. Packed with a full feature set composed of a gobo wheel, adjustable framing shutters, animation wheel, iris, prism and dual linear frost. The highly efficient optical system delivers a 1:6 zoom from 8° to 50°, and crisp focus to perfectly merge multi-layer effects. The **Ra 2000Profile** is the real embodiment of solid-state LED technology.

## MAIN FEATURES

- 540W LED engine with 6.500 K CT featuring high CRI, TLCI, R9 and TM30.
- 13'900 lumen output with flat-field projection and silent operation.
- Equipped with adjustable framing shutters and an animation wheel.

## TECHNICAL SPECIFICATION

### LIGHT SOURCE

- Source: 540W LED
- CCT: 6.500K
- Luminous flux: 13'900lm
- Lux: (8°) 24'537 lx - (50°) 991lx @5 m
- CRI: >93
- R9: >73
- TLCI: >92
- TM30 Rf: >89
- TM30 Rg: >99
- Source life expectancy: > 30.000 hrs (L70B10 @Ta 25° C / 77° F)

### OPTICS

- Zoom: 8° - 50° motorised linear zoom
- Lens diameter: 120mm
- Focus: motorised

### COLOUR SYSTEM

- Colour mixing: linear CMY
- CCT: amber shift activation by DMX and linear CTO correction 2700 K ~ 6000 K
- Colour wheel: 6 colour filters

### DYNAMIC EFFECTS

- Shutter system: 4 shutter blades with position and  $\pm 30^\circ$  angle adjustment,  $\pm 45^\circ$  rotation of the complete framing system
- Animation wheel: animation wheel with CW and CCW rotation
- Rotating gobos: 7 rotating gobos + open, interchangeable, indexing
- Gobo size: outer: 26,7 mm - image: 20 mm - thickness: 1,1 mm
- FX generator: shutter macros with adjustable speed
- Circular prism: 4f with bi-directional rotation, indexing
- Frost: dual frost filter system, 1° soft-edge frost gobo, 5° frost wash, with linear 0 - 100% frost filter frost unit to soften the beam edge
- Iris: 5 - 100% motorised iris
- Static mode: selection of static colour
- Manual mode: manual adjustment of dimmer and strobe
- Special features: OFF, ON and AUTO setup options for manage red LED

### BODY

- Pan angle: 540°

## ACCESSORIES & RELATED PRODUCTS

- |              |   |
|--------------|---|
| • 9513FXWL03 | Ass. 3x2.5mm TH07 cable, 16A 3p 230V CEE plug, MENAC3FXW socket, L3 m |
| • 9533FXWL03 | Ass. 3x2.5mm TH07 cable, SHUKO plug, MENAC3FXW socket, L3m            |
| • 958225L03  | 3x2.5mm TH07 Cable, 16A 3p PwCon MXW, 16A 3p PwCon FXW,               |
| • C6016B     | Quick-trigger slim clamp, 250Kg load, 48-51mm tubes, M10 bolt incl,   |
| • FCLRA2000  | Flight case for 2 piece RA2000PROFILE                                 |
| • OS25       | Quick-Lock omega bracket  |

- Tilt angle: 270°
- Pan/Tilt resolution: 16-bit
- Feedback: automatic repositioning after accidental movement
- Body colour: black finishing

### CONTROL

- Protocols: DMX512, RDM, Art-Net, sACN, W-DMX
- DMX channels: 38 / 39 / 40 / 41/ 44channel
- Wireless Control: included, wireless solution receiver
- RDM: RDM for remote monitoring and settings
- Display: LCD high resolution colour display with autoflip
- Firmware upgrade: yes, via USB - DMX interface (UPBOX1) not included

### ELECTRONICS

- Dimmer: linear 0 ~ 100% electronic dimmer
- Strobe / shutter: 1 - 30 Hz, electronic
- Display battery: self-charging battery backup
- Operating temperature: -10° ~ +50°
- LED Control: flicker free operation

### ELECTRICAL

- Mains power supply: 100-240V - 50/60Hz
- Max power consumption: 690W
- Output (at 230V): 4 units on a single power line
- Power factor: >0,96

### PHYSICAL

- IP rating: 20
- Cooling: combination of heat pipe cooling system and low noise fan
- Suspension and fixing: hanging bracket for floor positioning with "Quick-Lock" system
- Pan / tilt lock: for transportation and maintenance
- Signal connection: Amphenol XLR 5p IN/OUT connectors
- Data connection: Art-Net RJ45 IN/OUT
- Power connection: Neutrik powerCON TRUE1 IN/OUT connectors
- Dimensions (WxHxD): 443x697x293mm
- Weight: 32kg

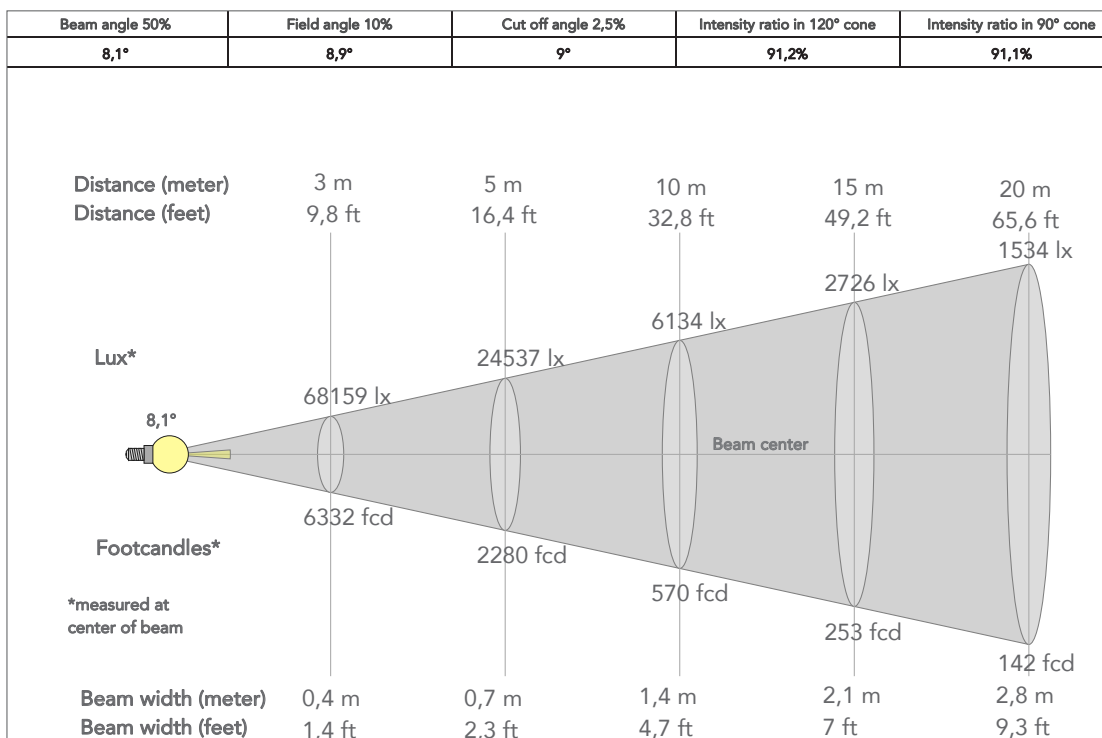
### CERTIFICATIONS / APPROVALS

- Certifications / Approvals: CE, UKCA, RCM

- |                |   |
|----------------|---|
| • RSR0670B     | Steel security cable for hanging bodies, inox steel shackle, L=60 cm,           |
| • TOUR53415L03 | Dmx cable HC5340. CANC5MXX XLR 5p->CANC5FXL XLR (f) 5p,                         |
| • UPBOX1U      | Firmware uploader kit, USB IN, 3pin XLR DMX OUT, USB OUT                        |
| • WSBBF1G5     | BlackBox F-1 G5 transmitter, 2,45GHz & 5.2/5,8 GHz, DMX/RDM,                    |
| • 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                     |
| • WSBBR512G6   | BlackBox R-512 G6 receiver 512Ch, 2,45GHz,DMX&RDM,Bluetooth h,G3,G4,G4S,G5,CRMX |

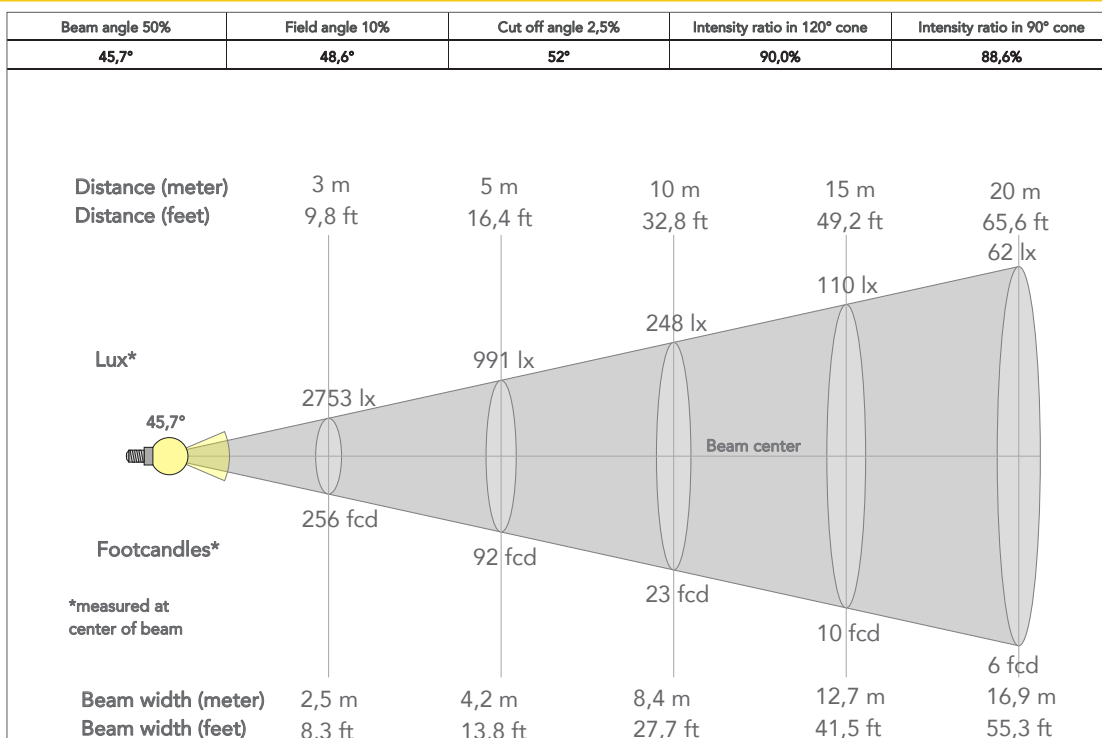
## PRESET FULL ON

Beam angle 50%: 8°

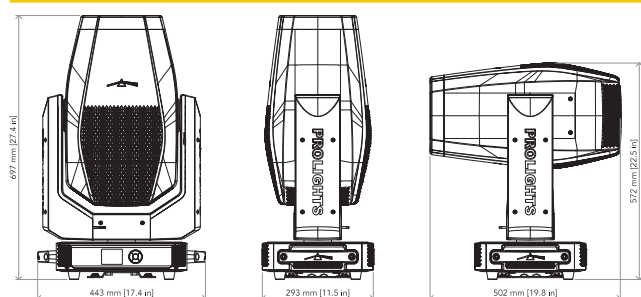


## PRESET FULL ON

Beam angle 50%: 50°



## TECHNICAL DRAWINGS



## CERTIFICATIONS / APPROVALS



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

Visit our website  
for specifications and  
tech documentations

