

# Ra 2000ProfileHB

540W Touring high-flux LED moving profile

ORDER CODE: **RA2000PROFILEHB**



The Ra 2000ProfileHB is the high-flux variant of the Ra 2000Profile designed for touring applications, offering the same footprint and feature set, but engineered around an LED source, which scores 40% higher intensity with lower colour rendering. Powerful, compact and fully equipped with both framing shutters and an animation wheel, all whilst delivering a superior brightness, the Ra 2000ProfileHB is an indispensable tool for any show. The 6.300 K LED engine has been custom-engineered to make the Ra 2000ProfileHB hit a 18'900 lumen output, and the on-board CRI enhancement filter still allows the possibility to obtain a CRI > 83. The Ra 2000ProfileHB CMY system delivers beautiful pastels, stunning saturated colours and powerful primaries. One colour wheel provides split colours, and linear CTO allows the Ra 2000ProfileHB to blend in with traditional sources. This unit is packed with powerful features like a gobo wheel, adjustable framing shutters, an 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 2000ProfileHB is the embodiment of solid-state LED technology.

## MAIN FEATURES

- 540W LED engine with 6.300 K CT
- 18'900 lumen fixture output with flat-field projection and silent operation
- Equipped with both 4 layers framing shutters and an animation wheel

## TECHNICAL SPECIFICATION

### LIGHT SOURCE

- Source: 540W LED
- CCT: 6.300K
- Luminous flux: 18'900lm @full
- Lux: (8°) 38'509 lx - (50°) 1'333lx @5 m full
- CRI: >69 (83 with High CRI filter on color wheel)
- 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: linear CTO correction 2.700 K ~ 6.000 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

### BODY

- Pan angle: 540°
- Tilt angle: 270°
- Pan/Tilt resolution: 16-bit
- Feedback: automatic repositioning after accidental movement

## ACCESSORIES & RELATED PRODUCTS

- |                |   |
|----------------|---|
| ▪ 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                 |
| ▪ 958225L03    | 3x2.5mm TH07 Cable, 16A 3p PwCon MXW, 16A 3p PwCon FXW, L. 3m               |
| ▪ C6016B       | Quick-trigger slim clamp, 250Kg load, 48-51mm tubes, M10 bolt incl, Black   |
| ▪ RSR0670B     | Steel security cable for hanging bodies, inox steel shackle, L=60 cm, black |
| ▪ TOUR53415L03 | Dmx cable HC5340. CANC5MXX XLR 5p->CANC5FXX XLR (f) 5p, L.3m                |

- Body colour: black finishing

### CONTROL

- Protocols: DMX512, RDM, Art-Net, sACN, W-DMX
- DMX channels: 38 / 39 / 40 / 41/ 42channel
- 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: 24KHz flicker free operation

### ELECTRICAL

- Mains power supply: 100-240V - 50/60Hz
- Max power consumption: 640W
- Output (at 230V): 3 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: 35kg

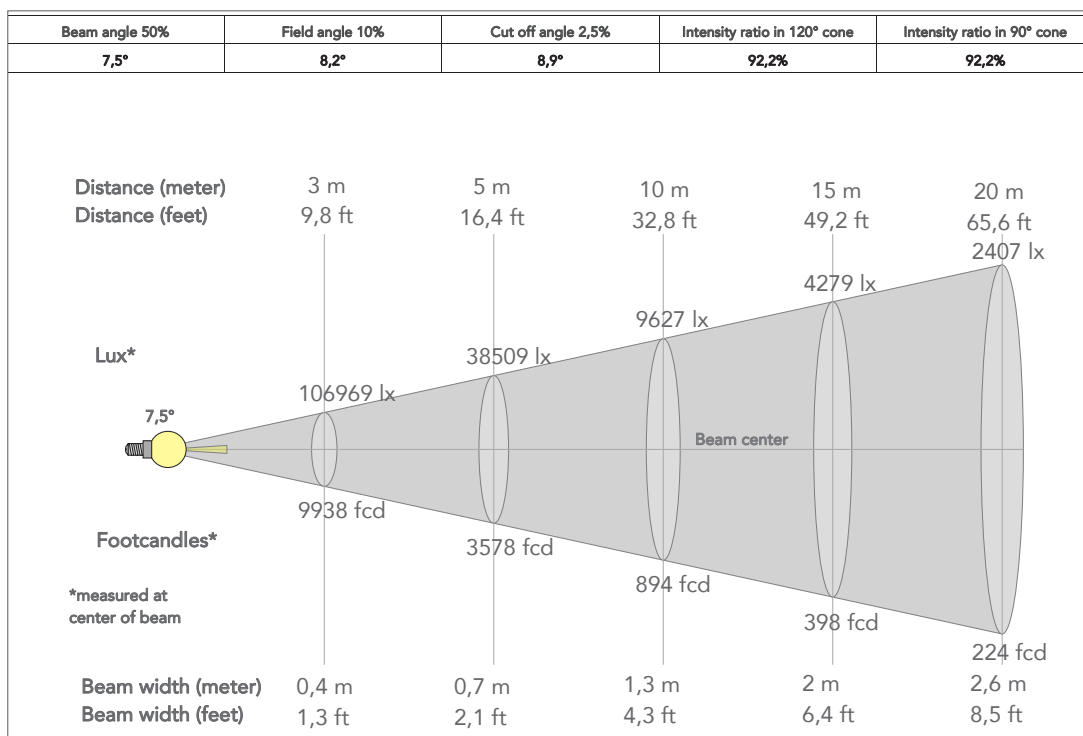
### CERTIFICATIONS / APPROVALS

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

- |              |   |
|--------------|---|
| ▪ 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           |
| ▪ WSBBR512G6 | BlackBox R-512 G6 receiver 512Ch, 2.45GHz,DMX&RDM,Blue tooth,G3,G4,G4S,G5,CRMX  |
| ▪ FCLRA2000  | Flight case for 2 piece RA2000PROFILE   |
| ▪ OS25       | Quick-Lock omega bracket  |
| ▪ UPBOX1U    | Firmware uploader kit, USB IN, 3pin XLR DMX OUT, USB OUT                        |

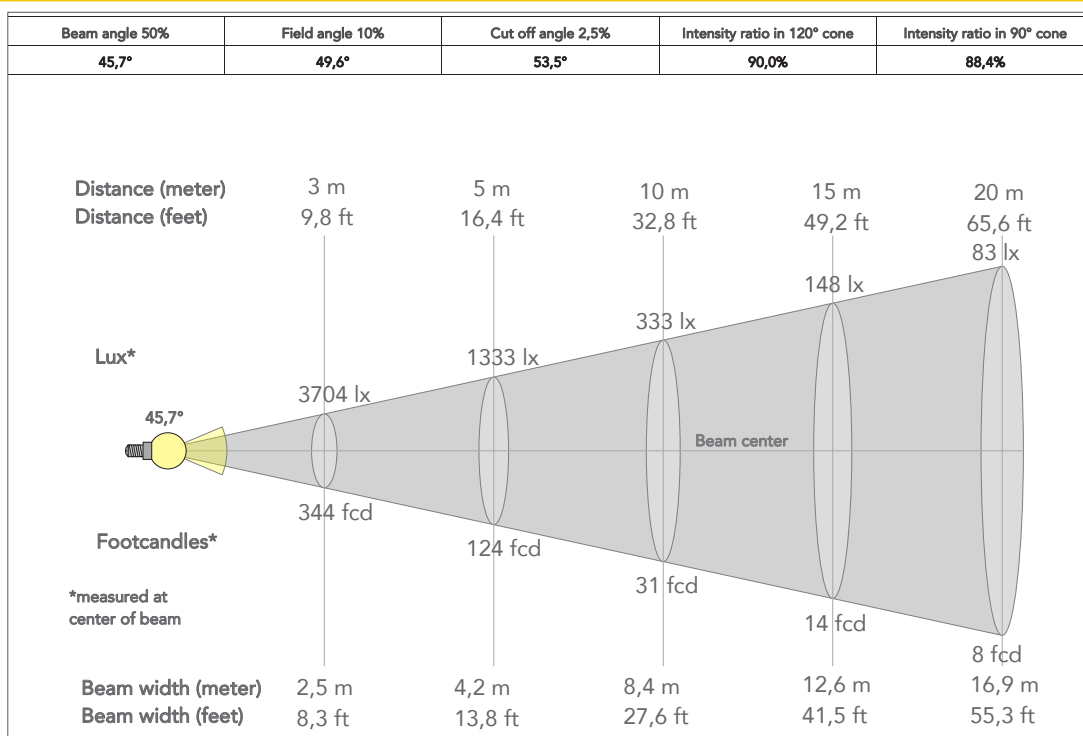
## PRESET FULL ON

Beam angle 50%: 8°

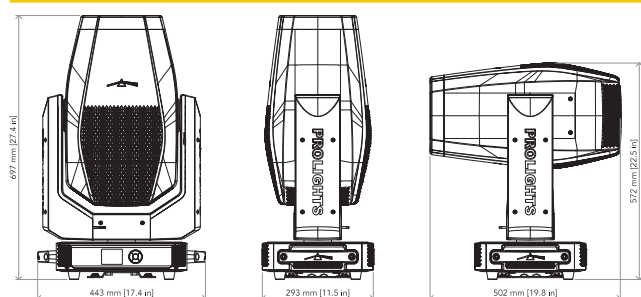


## PRESET FULL ON

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

