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 but 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 1:8 zoom from 7,5° to 49,6°, 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: 6.300 K
- Luminous flux: 18'900 lm @full
- Lux: (7,5°) 38'509 lx - (49,6°) 1'333 lx @5 m full
- CRI: >69 (83 with High CRI filter on color wheel)
- Source life expectancy: > 50.000 h

OPTICS
- Zoom: 7,5° - 49,6° motorised linear zoom
- Lens diameter: 120 mm
- Focus: motorised

COLOUR SYSTEM
- Colour mixing: linear CMY
- Colour wheel: 6 colour filters

DYNAMIC EFFECTS
- Shutter system: 4 shutter blades with position and ±30° angle adjustment, ±45° 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 colour mode: selection of static colour
- Manual colour mode: manual adjustment of dimmer and strobe

BODY
- Pan angle: 540°
- Tilt angle: 270°
- Pan/Tilt resolution: 16bit
- 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/ 42 channel
- W-DMX: included, wireless solution receiver
- RDM: RDM ready 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
- 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
- IP rating: 20
- Dimensions (WxHxD): 443x697x293 mm
- Weight: 35 kg

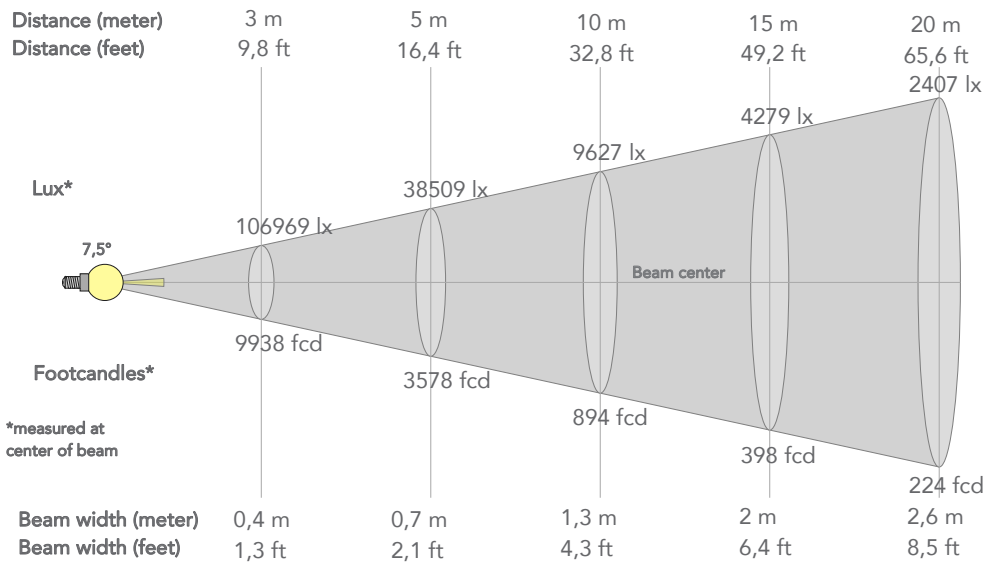
ACCESSORIES & RELATED PRODUCTS

FCLRA2000	Flight case for 2 piece RA2000PROFILE
OS25 (included)	Quick-Lock omega bracket
C6002B	Slim aluminum clamp, 200kg loading, 48-51mm tubes, M10 bolt, Black
UPBOX1U	Firmware uploader kit, USB IN, 3pin XLR DMX OUT, USB OUT

PRESET FULL ON

Beam angle 50%: 7,5°

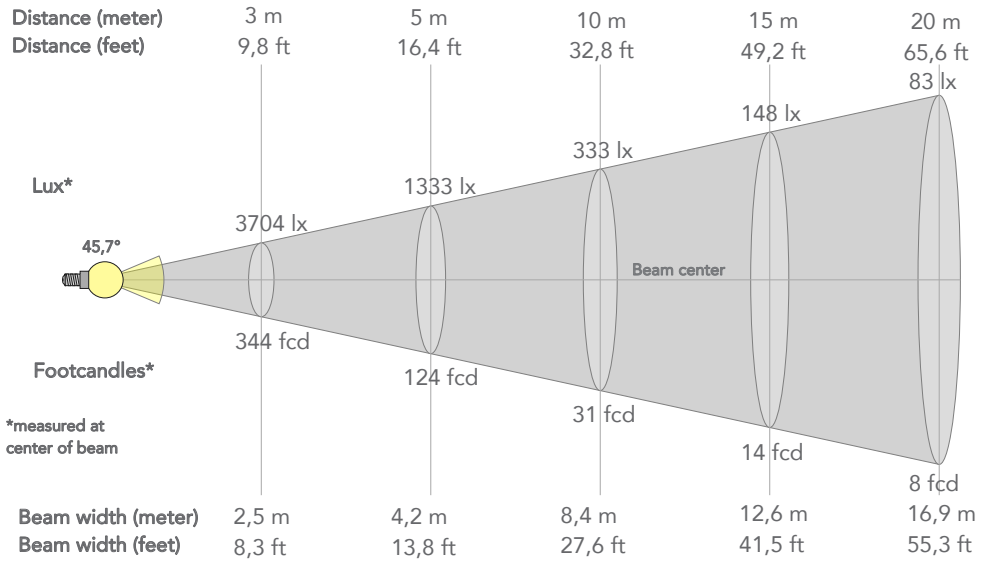
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
7,5°	8,2°	8,9°	92,2%	92,2%



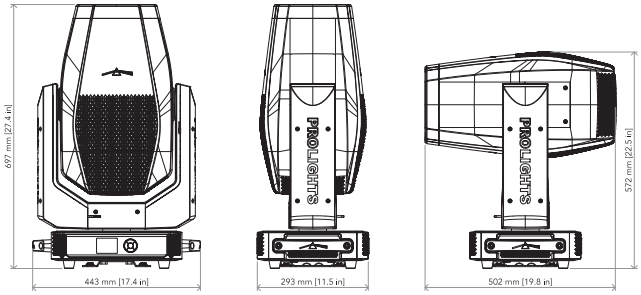
PRESET FULL ON

Beam angle 50%: 49,6°

Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
45,7°	49,6°	53,5°	90,0%	88,4%



TECHICAL DRAWINGS



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