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Ra 2000Profile

ORDER CODE: RA2000PROFILE



Source

540W White LED

Zoom range

8° - 50° motorised linear zoom

IP rating

IP20

Weight

32kg / 70.55lbs

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 fixture output with flat-field projection and silent operation.
- Equipped with both adjustable framing shutters and an animation wheel.

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PROLIGHTS

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TECHNICAL SPECIFICATIONS

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 + open

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
- FX generator: shutter macros with adjustable speed
- Circular prism: 4-f with bi-directional rotation, indexing
- Frost: dual frost filter system, 1° soft-edge frost gobo, 5° frost wash, with linear 0 - 100% frost filter to soften the beam edge
- Iris: 5 - 100% motorised iris
- Static mode: selection of static colour
- Manual mode: manual adjustment of dimmer and strobe

GOBOS

- Gobo wheel 1: 7 rotating gobos + open, interchangeable, indexing
- Gobo size: outer: 26,7 mm - image: 20 mm - thickness: 1,1 mm

CONTROL

- Supported Protocols: DMX512, RDM, Art-Net, sACN, W-DMX
- DMX channels: 38 / 39 / 40 / 41/ 44ch
- RDM: for remote addressing and parameter configuration
- Display: LCD high resolution colour display with autoflip

ELECTRONICS

- Dimmer: linear 0 - 100% electronic dimmer
- Strobe / shutter: 1 - 30 Hz, electronic
- Display battery: included, self-charging battery backup
- Firmware upgrade with: via DMX with UPBOXPRO/UPBOX1 (not included)

ELECTRICAL

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

CERTIFICATIONS / REPORTS

- Compliance: CE, UKCA, RCM

LIGHT SOURCE

- Source: 540W White LED
- Source CCT: 6.500K
- Luminous flux: 13'900
- 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 range: 8° - 50° motorised linear zoom
- Lens diameter: 120mm
- Focus: motorised 8/16-bit

MOVEMENT

- Pan: 540° - 16-bit resolution
- Tilt: 270° - 16-bit resolution
- Position feedback: automatic repositioning after external movement
- Pan / tilt lock: for transport and maintenance

CONNECTIONS

- Power connection: Neutrik powerCON TRUE1 IN/OUT connectors
- Signal connection: Amphenol XLR 5p IN/OUT connectors
- Wireless Connection: integrated W-DMX receiver
- Data connection: Art-Net RJ45 IN/OUT

PHYSICAL

- IP rating: IP20
- Cooling: heat pipe with low-noise fan
- Finish: black
- Operating temperature: Ta -10 to +50 °C (+14 to +122 °F)
- Dimensions (WxHxD): 443x697x293mm
- Weight: 32kg

INSTALLATION

- Suspension and fixing: - hanging bracket for floor positioning with "Quick-Lock" system

BOX CONTENT

- 1 x RA2000PROFILE
- 1 x 1,5 meters power cable (BARE END - NEUTRIK POWERCON TRUE1 IP65)
- 2 x OS25PLUS

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ACCESSORIES & RELATED PRODUCTS



OS25PLUS
Quick-lock omega bracket, M12 hole

TOUR53415L03
Dmx cable HC5340. CANC5MXX XLR 5p->CANC5FXX 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, SCHUKO plug, MENAC3FXW socket, L.3m



RSR0670B
Steel security cable for hanging bodies, inox steel shackle, L=60 cm, 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



C6016B
Selflock slim clamp, 250Kg load, 48-51mm tubes, M10 bolt incl, Black&White& White



FCLRA2000
Flight case for 2 piece RA2000PROFILE



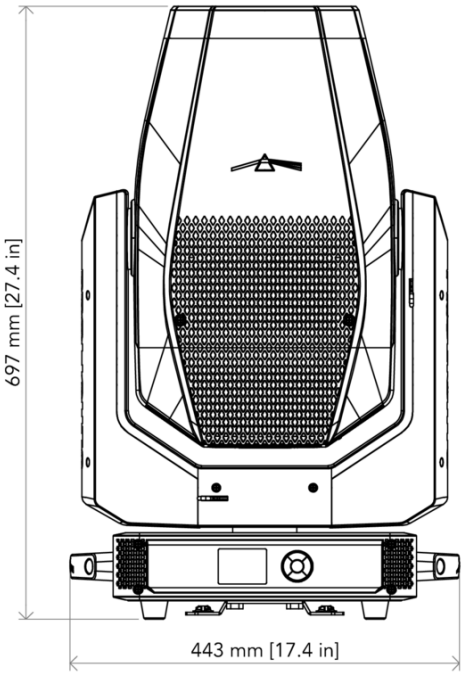
UPBOXPRO
Firmware uploader kit, USB IN, 5-pin XLR DMX OUT connector

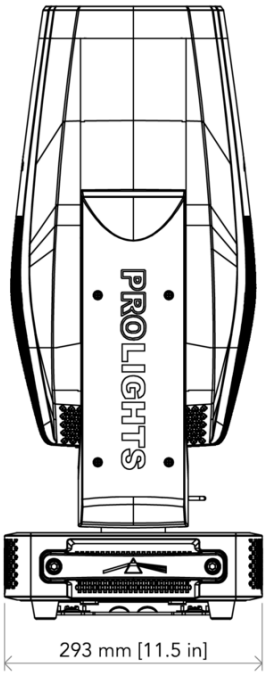
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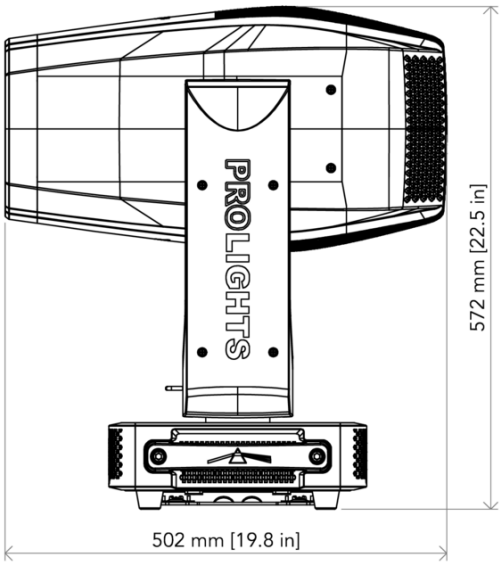
Ra 2000Profile

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TECHNICAL DRAWINGS







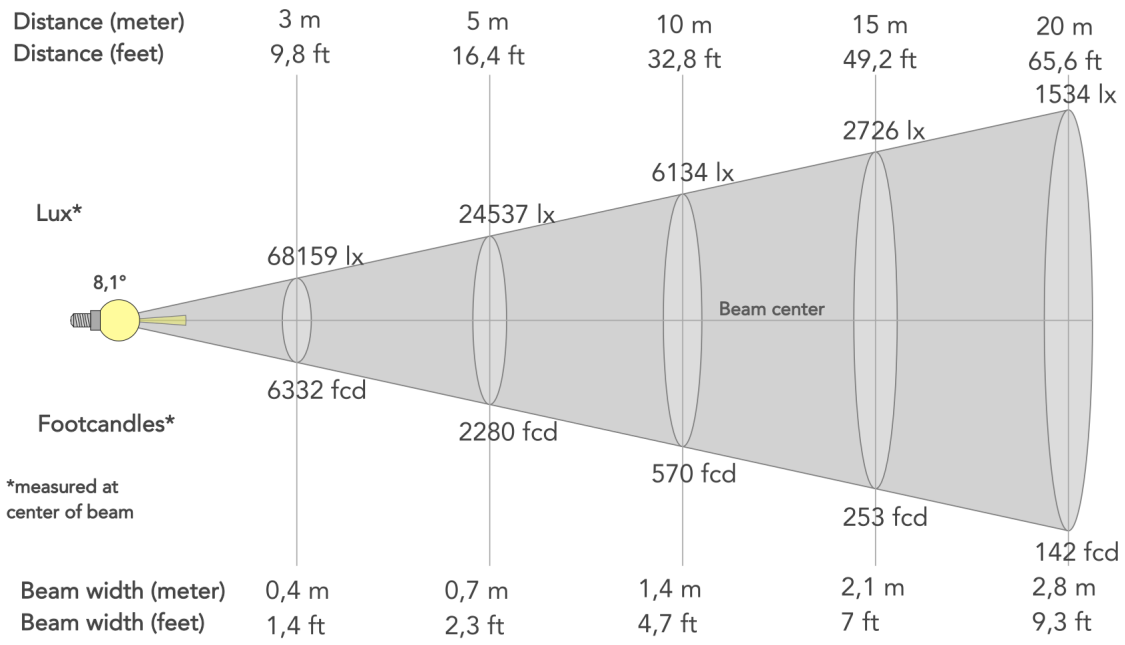
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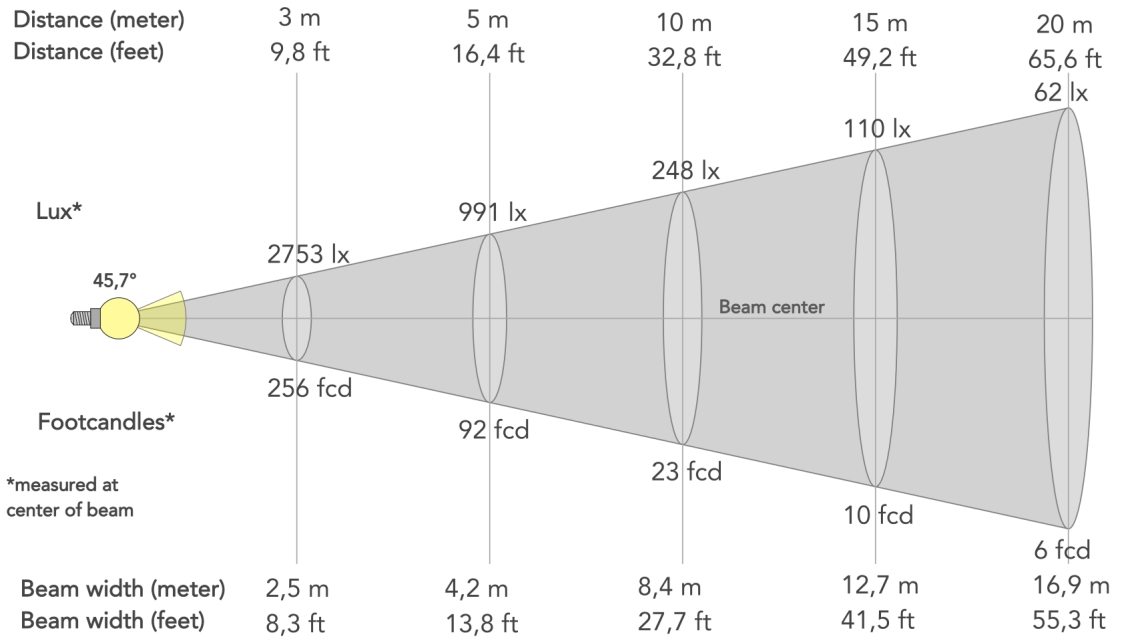
PHOTOMETRICS

Full On - Min Zoom



Beam angle (50%): **8.1°**	Field angle (10%): **8.9°**	Cut-off angle (2.5%): **9°**

Full On - Max Zoom



Beam angle (50%): **45.7°**	Field angle (10%): **48.6°**	Cut-off angle (2.5%): **52°**

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