Ra 2000Profile

540 W high-precision LED moving profile
ORDER CODE: **RA2000PROFILE**

PROLiGHTS

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 6.000 K LED engine has been custom engineered to make the **Ra** 2000Profile hit a 13'000 lumen output, keeping a native CRI of 95, TLCI of 92, 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.

MAIN FEATURES

- 540 W LED engine with 6.000 K CT featuring high CRI, TLCI, R9 and TM30
- 13'000 lumen fixture output with flat-field projection and silent operation
- Equipped with both adjustable framing shutters and an animation wheel

TECHNICAL SPECIFICATION

LIGHT SOURCE
- Source: 540 W LED
- CT: 6.000 K
- CRI: 95
- R9: 87
- Luminous flux: 13'000 lm
- Lux: (6°) 32'200 lx - (48°) 916 lx @5 m
- Source life expectancy: 50.000 h
- Other: TM-30-15RF/RG: 90/99 - TLCI: (6°) 92,7 - (48°) 93,3

OPTICS
- Zoom: 6° - 48° motorised linear zoom
- Lens diameter: 120 mm
- Focus: motorised

COLOUR SYSTEM
- Colour mixing: linear CMY
- CTC: amber shift activation by DMX and linear CTO correction 2700 K ~ 6000 K
- Colour wheel: 6 dichroic 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
- 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: 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 frost unit to soften the beam edge
- Iris: 5 - 100% motorised linear iris
- Static colour mode: selection of static colour
- Manual colour mode: manual adjustment of dimmer and strobe
- Special features: OFF, ON and AUTO setup options for manage red LED

BODY
- Pan angle: 540°
- Tilt angle: 270°

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

CONTROL
- Protocols: DMX512, RDM, Art-Net, W-DMX
- DMX channels: 38 / 39 / 40 / 41/ 44 channel
- W-DMX: included, wireless solution receiver
- RDM: RDM ready for fixture remote monitor 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
- Battery backup: battery backup for user operation without connecting to the main power
- Operating temperature: -10° ~ +50°
- Flicker: flicker free operation

ELECTRICAL
- Power consumption: 150 W / 600 W
- Power supply: 100-240 V – 50/60 Hz
- Power consumption (at 230 V): (static) 574 W - (dynamic) 620 W
- Power consumption (at 120 V): (static) 606 W - (dynamic) 640 W
- Output (at 230 V): 4 units on a single power line
- Output (at 120 V): 2 units on a single power line
- Power factor: pF 0,95 @230 V - pF 0,99 @120 V

PHYSICAL
- Cooling: combination of heat pipe cooling system and low noise fan
- Sospension and fixing: hanging bracket for floor positioning with "Quick-Lock" system
- Pan / tilt lock: pan / tilt locking 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
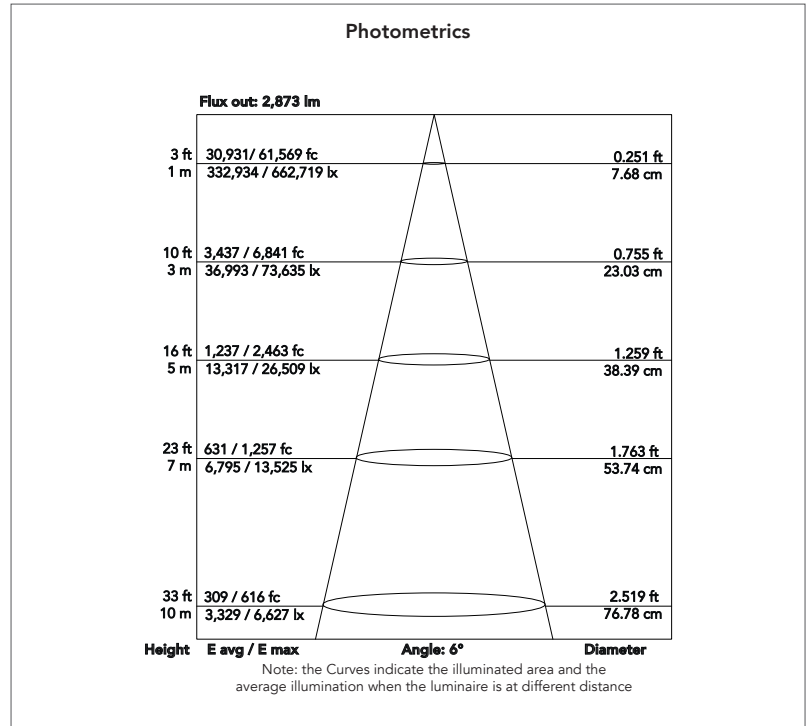- Dimensions (WxHxD): 443x697x293 mm
- Weight: 31,38 kg

ACCESSORIES & RELATED PRODUCTS

- OS25: Quick-Lock omega bracket (included)
- FCLRA2000: Flight case for 2 piece RA2000PROFILE

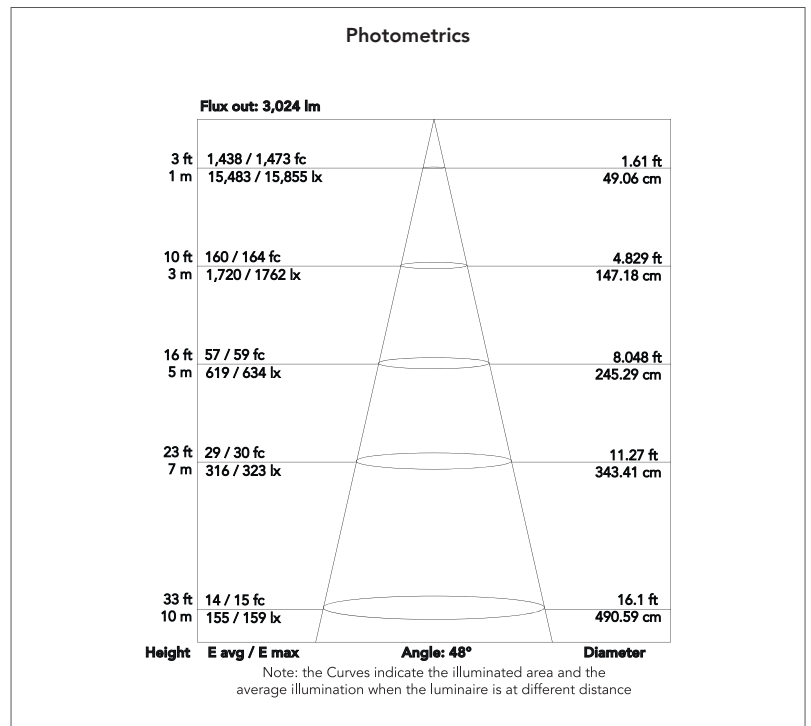- UPBOX1U: Firmware uploader kit, USB IN, 3-pin XLR DMX OUT, USB OUT
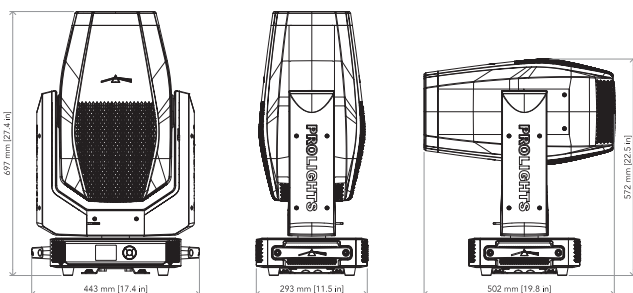
COLOUR PRESET FULL ON
Beam angle 6°

Photometrics

Flux out: 2,873 lm

Height	E avg / E max	Angle: 6°	Diameter
3 ft	30,931/ 61,569 fc		0.251 ft
1 m	332,934 / 662,719 lx		7.68 cm
10 ft	3,437 / 6,841 fc		0.755 ft
3 m	36,993 / 73,635 lx		23.03 cm
16 ft	1,237 / 2,463 fc		1.259 ft
5 m	13,317 / 26,509 lx		38.39 cm
23 ft	631 / 1,257 fc		1.763 ft
7 m	6,795 / 13,525 lx		53.74 cm
33 ft	309 / 616 fc		2.519 ft
10 m	3,329 / 6,627 lx		76.78 cm

Note: the Curves indicate the illuminated area and the average illumination when the luminaire is at different distance

COLOUR PRESET FULL ON
Beam angle 48°

Photometrics

Flux out: 3,024 lm

Height	E avg / E max	Angle: 48°	Diameter
3 ft	1,438 / 1,473 fc		1.61 ft
1 m	15,483 / 15,855 lx		49.06 cm
10 ft	160 / 164 fc		4.829 ft
3 m	1,720 / 1762 lx		147.18 cm
16 ft	57 / 59 fc		8.048 ft
5 m	619 / 634 lx		245.29 cm
23 ft	29 / 30 fc		11.27 ft
7 m	316 / 323 lx		343.41 cm
33 ft	14 / 15 fc		16.1 ft
10 m	155 / 159 lx		490.59 cm

Note: the Curves indicate the illuminated area and the average illumination when the luminaire is at different distance

TECHICAL DRAWINGS

697 mm [27.4 in]
443 mm [17.4 in]
293 mm [11.5 in]
502 mm [19.8 in]
572 mm [22.5 in]

For more product info and downloads visit our website

CE