

Luma 1500SH

440 W LED profile

ORDER CODE: LUMA1500SH



Luma 1500SH is a 440 W 6.500 K LED profile light designed to replace the 1.200 W discharge fixture used in theatres, concerts, events and broadcast. The custom optical system delivers a consistent output with a flat-field and crisp gobo projection right through the massive 5° to 50° zoom range.

MAIN FEATURES

- Rotating gobo wheel, static gobo wheel and either full framing shutter (SH) or animation wheel (SP) interchangeable modules
- Full CMY colour mixing system with separate linear CTO, plus colour wheel
- Full framing shutter core module with individual depth and angle control of each blade as well as module index

TECHNICAL SPECIFICATION

LIGHT SOURCE

- Source: 440 W high-power white LED
- CCT: 6.500 K
- Lux: (5°) 26'533 lx - (50°) 1'535 lx @5 m
- Source life expectancy: > 20.000 h

OPTICS

- Zoom: 5° - 50° motorised linear zoom
- Lens diameter: 120 mm
- Lens type: HD anti-reflection lenses with achromatic coating
- Focus: motorised with auto-focus
- Other: high-quality flat-field projection

COLOUR SYSTEM

- Colour mixing: linear CMY
- CTC: linear CTO correction 2.700 K ~ 6.000 K
- Colour wheel: 7 dichroic filters + open

DYNAMIC EFFECTS

- Shutter system: (inc) 4 shutter blades with position and $\pm 30^\circ$ angle adjustment, $\pm 45^\circ$ rotation of the complete framing system
- Animation wheel: (opt) animation wheel with CW and CCW rotation
- Rotating gobos: 6 rotating gobos + open, interchangeable, indexing
- Gobo size: outer: 26,7 mm - image: 20 mm - thickness: 1,1 mm
- Fixed gobos: 7 fixed gobos + open, interchangeable
- Gobo size: outer: 26,7 mm - image: 20 mm - thickness: 1,1 mm
- Circular prism: 3f with bi-directional rotation, indexing
- Frost: linear 0 - 100% frost filter
- Iris: 5 - 100% motorised linear iris

BODY

- Pan angle: 630° - 540°
- Tilt angle: 267°
- Pan/Tilt resolution: 8 / 16 bit
- Feedback: automatic repositioning after accidental movement
- Body: aluminium structure with hi-resistance polycarbonate cover
- Body colour: black

CONTROL

- Protocols: DMX512, RDM, W-DMX
- DMX channels: 28 / 30 / 37 / 38 channel
- W-DMX: included, wireless solution receiver
- RDM: RDM ready for fixture remote monitor and settings
- Display: LCD high resolution colour display
- Firmware upgrade: yes, via USB - DMX interface (UPBOX2) not included
- Hibernation: power safe mode when lost DMX

ELECTRONICS

- Dimmer: linear 0 ~ 100% electronic dimmer
- Strobe / shutter: 1 - 28 Hz, electronic
- Battery backup: battery backup for user operation without connecting to the main power
- Operating temperature: -10° ~ +45°

ELECTRICAL

- Power supply: 100-240 V - 50/60 Hz
- Power consumption (at 230 V): 650 W
- Power consumption (at 120 V): 650 W
- Power factor: 0,98

PHYSICAL

- Cooling: combination of heat pipe cooling system and low noise fan
- Suspension and fixing: any position with quick-lock omega brackets
- Pan / tilt lock: pan / tilt locking for transportation and maintenance
- Signal connection: Amphenol XLR 3p + 5p IN/OUT connectors
- Power connection: Neutrik powerCON TRUE1 IN connector
- IP rating: 20
- Dimensions (WxHxD): 428x757x291 mm
- Weight: 31 kg

ACCESSORIES & RELATED PRODUCTS

- L1500SH: LUMA1500 shutter module (included)
- WSA40501: WDMX, antenna 2.4Ghz 2dBi omnidirectional, folding, SMA-male, indoor (included)
- OS24: Quick-lock omega bracket (included)
- WR24ANG5: WIRELESS SOLUTION, nano RX DMX 3.3V/5V-18V MCX (included)

- FCLLUMA1500: Flight case for 1 LUMA1500 projector
- UPBOX2: Firmware uploader kit, USB IN, 3-pin XLR DMX OUT
- L1500AN: LUMA1500 animation wheel module
- C6016: Quick-trigger slim clamp, 250 kg load, 48-51 mm tubes, M10 bolt incl,

COLOUR PRESET FULL ON

Beam angle 5°

Photometrics

Flux out: 4,410 lm

| | | |
|--------------|---|-----------------------|
| 3 ft / 1 m | 47,481 / 61,625 fc 511,085 / 663,330 lx | 0.30 ft 9.31 cm |
| 10 ft / 3 m | 5,275 / 6,847 fc 56,787 / 73,703 lx | 0.58 ft 27.93 cm |
| 16 ft / 5 m | 1,899 / 2,464 fc 20,443 / 26,533 lx | 1.52 ft 46.54 cm |
| 33 ft / 10 m | 475 / 616 fc 5,111 / 6,633 lx | 3.05 ft 93.08 cm |
| 49 ft / 15 m | 211 / 274 fc 2,271 / 2,948 lx | 4.58 ft 139.63 cm |
| 66 ft / 20 m | 119 / 154 fc 1,278 / 1,658 lx | 6.10 ft 186.17 cm |
| 82 ft / 25 m | 76 / 99 fc 818 / 1,061 lx | 7.63 ft 232.71 cm |
| 98 ft / 30 m | 53 / 68 fc 568 / 737 lx | 9.16 ft 279.25 cm |
| Height | E avg E max | Angle: 5.33° Diameter |

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

COLOUR PRESET FULL ON

Beam angle 50°

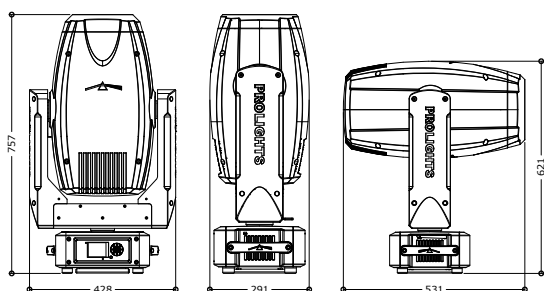
Photometrics

Flux out: 8,150 lm

| | | |
|--------------|---|-------------------------|
| 3 ft / 1 m | 2,746 / 3,086 fc 29,565 / 33,228 lx | 1.93 ft 58.99 cm |
| 10 ft / 3 m | 305 / 405 fc 3,285 / 4,359 lx | 5.80 ft 176.99 cm |
| 16 ft / 5 m | 110 / 146 fc 1,183 / 1,569 lx | 9.67 ft 294.94 cm |
| 33 ft / 10 m | 27 / 36 fc 296 / 392 lx | 19.64 ft 598.87 cm |
| 49 ft / 15 m | 12 / 16 fc 131 / 174 lx | 29.02 ft 884.81 cm |
| 66 ft / 20 m | 7 / 9 fc 74 / 98 lx | 38.70 ft 1,179.74 cm |
| 82 ft / 25 m | 4 / 6 fc 47 / 63 lx | 48.38 ft 1,474.68 cm |
| 98 ft / 30 m | 3 / 4 fc 33 / 44 lx | 58.05 ft 1,769.62 cm |
| Height | E avg E max | Angle: 32.87° Diameter |

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

TECHICAL DRAWINGS



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