MERLIN - 1515

TOURING - 2500 W HMI

- **Type:** Followspot
- **Source:** 2500 W HMI
- **PSU:** Electronic - hot restrike - DMX
- **Optics:** 3° to 12° zoom

The new touring machine for rentals

Mixing a stainless steel housing with strong aluminium frames, the Merlin features a revolutionary and rock-solid design, perfect for touring events and rental companies

Features

- **Fully closing iris:** ergonomic control with index; protective backplate for extended lifespan
- **Gobo holder:** glass and metal gobos
- **Ergonomic dimmer control:** one-handed dim, pan and tilt
- **Smooth dimmer shutter:** retains flat beam and colour temperature when dimming
- **Fade to Black DMX additional dimmer module (option):** for optimum control from the console as an accessory
- **Progressive frost filter :** on flip lever for quick soft-edge beam effect
- **Horizontal and vertical choppers:** built-in with 2 independent controls for adjustable rectangular projection
- **Individually removable colour frame:** gels replaced easily while colour cassette remains in place
- **Colour changer:** 6-way, self-cancelling boomerang colour-changer
- **RJ Eco Mode:** enables to reduce the power consumption when the followspot is in stand-by mode (iris or dimmer closed)
- **RJ Diagnostics System:** ensures optimum operation capacities, providing a wide pallet of feedback information (dimming level, lamp hours, temperature, projector status...) locally and remotely by RDM
- **DMX remote controlled ignition**
- **Easy focus reference:** graduated scale on side of the unit; fast and easy refocusing
- **Adjustable yoke:** for optimum overhead positioning
- **Easy-to-balance counterweight:** steady movement, even at long distances
- **Stand:** perfectly weighted for maximum stability with smooth rotation for optimum performance. Easy set up; triple safety system for extra security

Optical

- **Safe lamp:** no risk of explosion and no protective clothing necessary
- **Factory set optical train:** travels safely within followspot and requires no time-consuming realignment on arrival. Uniform beam on all followspots of same type
- **Double quartz condenser system:** for dazzling light output and perfectly even beam
- **Gobo :** long distance gobo projection
- **Variable zoom optics:** sharp focus at every beam angle. Independent control of image size and focus.
- **Exclusive zoom from 3° to 12°:** 4:1 ratio for more versatility

Construction

- **Made in France :** fully manufactured in Robert Juliat premises retaining complete control over all aspects of quality
- **PSU:** built-in electronic flicker-free power supply for easy, plug-and-play installation
- **Lamp switch off:** 3 minutes automatic cooling down process when switching off the lamp for fast and easy packing
- **Cooling:** highly efficient multi-zone cooling of lamp house and oversized lamp holder heat-sinks for maximum reliability and durability
- **Bodywork:** strong sheet metal construction for durability
- **Ergonomic wrap-around handle:** comfort, safety and practicality from all operating positions
- **Moving parts:** smooth at all times, even when hot
- **Captive knobs and handles:** additional security when working at height or in transit
- **Rigging eyebolts:** 4 lifting points integrated for vertical or horizontal handling
- **Easy access to all parts:** easy cleaning, re-lamping and maintenance
- **Removable assemblies:** fast-plug cable connectors and complete component assemblies (mirror, condenser set and lamp house assembly) save maintenance and cleaning time
- **Safety:** safety switch for secure access to the lamp

ROBERT JULIAT

Source

• **Lamp type:** Discharge
• **Power:** 2500 W
• **Socket:** SFa 21
• **Hot re-strike:** yes

Admissible lamps	Power *	Lumen output*	Colour temperature*	Life*	CRI* (min)
HMI 2500W/S XS (Osram)	2 500 W	240 000 lm	6000K	500 h	90

(*) manufacturer's data

Optics

Characteristics

• **Type:** Zoom
• **Beam range:** 3° to 12°
• **Focal length:** 325 - 1179 mm

Gel filter

• **Shape:** Circle
• **Standard size:** 210 mm (8.3 in)

Gobo

• **Size:** A
• **Material:** Metal Glass

70 mm*

100 mm
*Maximum image size

Photometrics

with HMI 2500W/S XS (Osram) source

• Optics @ 3°

Beam angle 50% 3.3°   **Field angle 3%** 3.4°
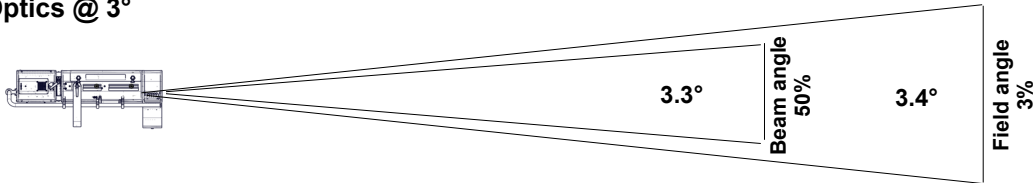
Beam intensity
8 421 300 cd

Field lumens
19 020 lm

Distance	40 m	60 m	80 m	100 m	120 m	140 m
Diameter	2.4 m	3.6 m	4.7 m	5.9 m	7.1 m	8.3 m
Illumination	5 300 lux	2 350 lux	1 350 lux	850 lux	590 lux	430 lux
Distance	130 ft	195 ft	260 ft	330 ft	395 ft	460 ft
Diameter	7.7 ft	11.6 ft	15.4 ft	19.6 ft	23.4 ft	27.3 ft
Illumination	500 fc	230 fc	130 fc	80 fc	55 fc	40 fc

CCT
6 910 K

CRI
82

• Optics @ 12°

Beam angle 50% 10.5°   **Field angle 3%** 12.3°
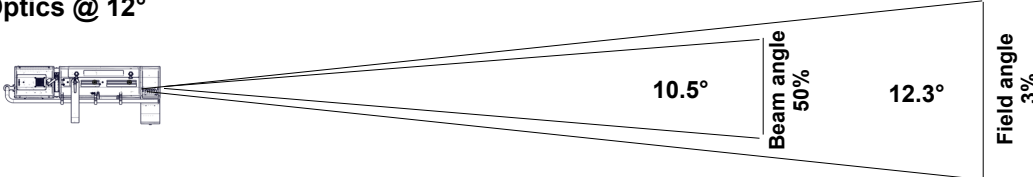
Beam intensity
1 032 700 cd

Field lumens
23 780 lm

Distance	40 m	60 m	80 m	100 m	120 m	140 m
Diameter	8.6 m	12.9 m	17.2 m	21.6 m	25.9 m	30.2 m
Illumination	650 lux	290 lux	170 lux	110 lux	75 lux	55 lux
Distance	130 ft	195 ft	260 ft	330 ft	395 ft	460 ft
Diameter	28 ft	42 ft	56 ft	71.1 ft	85.1 ft	99.1 ft
Illumination	65 fc	28 fc	16 fc	10 fc	7 fc	5 fc

CCT
6 190 K

CRI
83

Remote control

• **Data protocol:** USITT DMX512-A
  RDM

• **DMX chart:**

Mode 1 (3 channels)
Dimmer
Dimmer fine
Control mode

• **Data IN connector:** 5 pins XLR male
• **Data OUT connector** 5 pins XLR femelle

Dimensions and weight

Unit
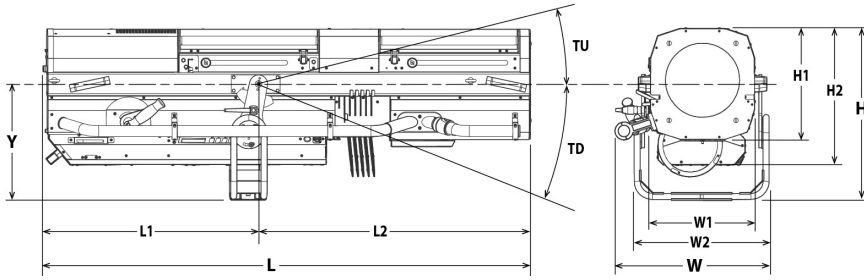
Weight: 76 kg (167.2 lbs)

Height	Length	Width	Yoke	Tilt
H= 567 mm (22.3 in)	L= 1610 mm (63.4 in)	W= 508 mm (20 in)	Y= 385 mm (15.2 in)	TU= 30°
H1= 366 mm (14.4 in)	L1= 710 mm (28 in)	W1= 342 mm (13.5 in)		TD= 45°
H2= 450 mm (17.7 in)	L2= 900 mm (35.4 in)	W2= 444 mm (17.5 in)		

Shipping

- **Weight :** 126 kg (277.2 lbs)

- **Volume :** 1.27 m^3 (44.84 ft^3)

Installation

- **Minimum distance to illuminated surface:** 6.0 m (19.7 ft)
- **Operating position:**
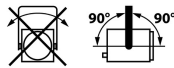
Warranty

- **Fixture: 2 years**
See General Sales Condition on website

Approvals

CE

Construction

- **Housing:** Stainless steel - Aluminium
- **Colour:** Black - Grey
- **Cooling:** Fans
- **Maximum ambient temperature (Ta):** 40°C (104°F)
- **Maximum case temperature (Tc):** 110°C (230°F)
- **Total heat dissipation:** 10 240 BTU/h
- **Ingress Protection (IP) rating**: IP20

Electrical compatibility

- 220/230 V - 50 Hz
- 245 V - 50 Hz
- ~~110/120 V - 60 Hz~~
- 208 V - 60 Hz

- 220/230 V - 60 Hz
- ~~100 V - 50 Hz~~
- ~~100 V - 60 Hz~~
- Selector: automatic detection

Power input

- **Type:** removable power cord with Neutrik powerCON TRUE1 TOP connector (included)
- **Cable:** H07RNF 3G1.5
- **Length:** 3 m (9.8 ft)
- **Power connector:** CEE 7/7 (2P+E NF/Schuko)

Power consumption

Voltage	Frequency	Current	Power	Power factor
230 V	50 Hz	13 A	3000 W	96
208 V	60 Hz	15 A	3000 W	90

Power Supply Unit
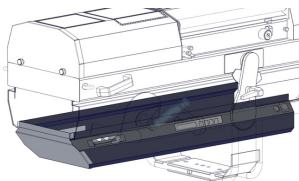
- **PSU:** Internal - Electronic PSU - Flicker free with PFC
- **Control:** Local / DMX
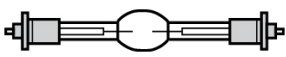- **Protection:** Mains: 20A 2P 2D switch breaker - UL /

Model
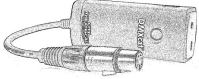
1515	2500 W HMI Followspot - 1515 Merlin - 3/12° - Electronic PSU

Options

FRO/SMBPV	Heavy duty adjustable yoke equipped with TILT SpotMe sensor (B type)	
FC1515	Flight-case for Touring range / GT4000 stand / P.S.U. / accessories - Dim: 1680x600x900mm - Weight: 71 Kg	
FC1515SM	Flight-case for Touring range / GT4000 stand / P.S.U. / accessories - SpotMe compatible - Dim: 1699x799x795mm - Weight: 66 Kg	

Accessories

PF1011	Ø210 mm metal filter holder **6 included**	
SGUM	Universal "A" size gobo-holder (metal, glass, frosted glass) **1 included**	
HMI 2500W/S XS	HMI 2500W/S XS - Osram SFa 21 2500W 500h 6000K lamp	
GT4000	Tripod stand with safety chain - SWL: 130 Kg - max. height: 1030 mm - Poids: 7.91 Kg	
GT4000R	Tripod stand with ball head rotation with security chain - SWL: 130 Kg - max. height: 1030 mm - Poids: 10 Kg	
GT4000RSM	Tripod stand with ball head rotation with security chain and SpotMe PAN sensor - SWL: 130 Kg - max. height: 1030 mm	
GT4000S	Tripod stand without safety chain - SWL: 130 Kg - max. height: 1030 mm - Poids: 8.65 Kg	
T4000	Followspot mount for Ø50mm pipe (suspension or overhead) - SWL= 100 Kg - Poids: 4.88 Kg	
T4000RSM	Followspot mount with ball head rotation and SpotMe PAN sensor - SWL = 100 Kg - Poids: 8.53 Kg	
MOMM	Motorised dimming shutter module	
FRO/SMBPD	Heavy duty adjustable yoke equipped with TILT SpotMe sensor (B type)	
Kit TELRAD	Telrad followspot sight with raiser and universal mounting kit - Poids: 1.23 Kg	
SDUP	Followspot cue sheet holder with universal mounting kit	

TCSM	SpotMe calibration tool kit	
DMXcat	Bluetooth DMX/RDM Multifunction test tool - City Theatrical DMXcat®	
Kit W-DMX/M	W-DMX wireless DMX	
Maestro	Maestro server for SpotMe - rackable unit: 1U - half 19" - Poids: 1.2 Kg	
SMS	SpotMe server + 2 sensor cables + flight case	
FC1515/S	Flight-case for Touring range / GT4000 stand / P.S.U. / accessories - Poids: 71 Kg	
FC1515SM/S	Flight-case for Touring range / GT4000 stand / P.S.U. / accessories - SpotMe compatible - Poids: 66 Kg	