

# ARTHUR - 1014

LLT (LED LONG THROW) - LED 800 W



- **Type:** Followspot
- **Source:** LED 800 W
- **Optics:** 5.5° to 15° zoom
- **Colour temperature:** Cool White

Followspot

## Arthur takes the throne !

Robert Juliat has developed a new long-throw 800W LED followspot capable of matching the lumen output of an HMI 2500W Aramis followspot at similar angles. Thanks to its powerful LED engine, very narrow beam angle and long-throw capability, Arthur ensures invincible performances with a minimum output of 2000 lux at a distance of 40m (200fc at 130 ft), while offering premium light quality with a high CRI (>90) - an essential feature for a followspot whose main role is to shine a light on performers and showcase them in sublime fashion. With the choice of several ventilation modes, Arthur's sound level is much quieter than any of its discharge rivals; it can be operated as easily in opera houses as on concerts.

### Features

- **Fully closing iris:** removable for fast, easy replacement
- **Universal adjustable gobo holder:** "A" size glass and metal gobos
- **Ergonomic dimmer control:** one-handed dim, pan and tilt
- **Local control:** light intensity adjustment through built-in potentiometer
- **Internal glass filter holder:** long term use of durable coloured, dichroic or textured glass
- **Individually removable colour frame:** gels replaced easily while colour cassette remains in place
- **Colour changer:** 6-way, self-cancelling boomerang colour-changer
- **USB connector:** for connection of additional accessories
- **Adjustable response time:** choice of fast or slow dimming for tungsten-like simulation - adjustment by DMX protocol
- **Ethernet-DMX node:** data IN through RJ45 connector; data OUT through DMX for daisy chaining
- **Universal data control:** compatible with DMX, RDM, Art-Net, sACN protocols
- **Easy setup:** locally and remotely by RDM protocol - integrated display
- **DMX:** 8 or 16 bit dimming and strobe function
- **Parameters:** adjustable curves and response through 4-button display with automatic light switch-off
- **Control:** local and DMX
- **Dimming parameters:** choice of square or linear dimming curves
- **Easy focus reference:** graduated scale on side of the unit; fast and easy refocusing
- **Adjustable yoke:** for optimum overhead positioning
- **Fine balance:** precision positioning and smooth operation even with the smallest movements
- **Stand:** perfectly weighted for maximum stability with smooth rotation for optimum performance. Easy set up; triple safety system for extra security

### Optical

- **Long life:** outstanding operational lifetime expectation, no need to replace lamps, low maintenance
- **High output:** up to 29 000 lumens. Capable of matching the lumen output of HMI 2500W Aramis followspot at similar angles
- **Native high CRI LED source:** CRI > 90 - perfect for performer illumination - no need for correction filter
- **Gobo :** excellent gobo projection
- **Optical quality:** smooth flat beam, no hot spot
- **Variable zoom optics:** sharp focus at every beam angle. Independent control of image size and focus.
- **Electronic dimmer:** dimming without clipping or cut-out at low intensity levels; high quality smoothing
- **No colour shift:** colour temperature remains the same when dimming

### 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
- **Power connectors:** neutriK® powerCON TRUE1 IN and OUT connectors for daisy chaining
- **Silent-running cooling fans:** ideal for TV studios and opera houses
- **Electronic thermal management system:** ensures maximum performance of the system without any risk of overheating
- **3 cooling modes available:** includes silent mode for perfect integration in concert halls
- **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
- **Easy access to all parts:** easy cleaning and maintenance
- **Independent modules for the PSU, drivers and CPU:** easy maintenance with plug & play system

Picture:1014

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Robert Juliat reserves the right to change or alter any of the items detailed on this page, to increase or improve manufacturing techniques without prior notice.

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ROBERT JULIAT

## Source

- Lamp type: LED
- Power: 840 W

LED specifications	Power *	Lumen output*	Colour temperature*	Life*	CRI* (min)
LED 800W ( )	840 W	42 000 lm	6000K	20 000 h	91

(\*) manufacturer's data

## Optics

### Characteristics

- Type: Zoom
- Beam range: 5.5° to 15°
- Focal length: 279 - 749 mm

### Gel filter

- Shape: Circle
- Standard size: 270 mm (10.6 in)

### Gobo

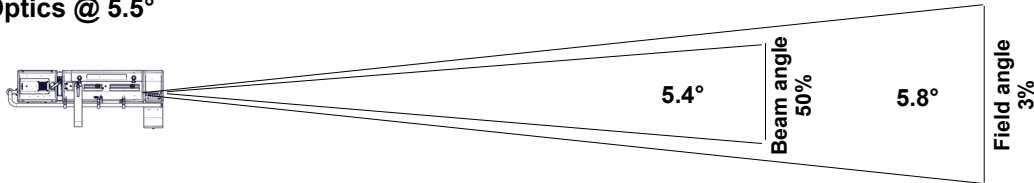
- Size: A
- Material: Metal  
Glass



## Photometrics

with LED 800W ( ) source

### • Optics @ 5.5°



Beam intensity  
3 221 800 cd

Field lumens  
18 080 lm

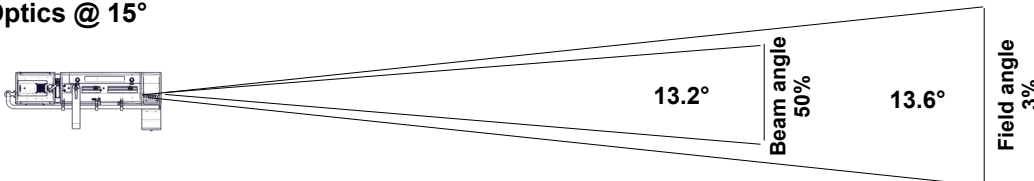
Efficacy  
19 lm/W

CCT  
5 600 K

CRI  
90

Distance	30 m	40 m	50 m	60 m	70 m	80 m
Diameter	3 m	4.1 m	5.1 m	6.1 m	7.1 m	8.1 m
Illumination	3 600 lux	2 050 lux	1 300 lux	900 lux	660 lux	510 lux
Distance	100 ft	130 ft	165 ft	195 ft	230 ft	260 ft
Diameter	10.1 ft	13.2 ft	16.7 ft	19.8 ft	23.3 ft	26.3 ft
Illumination	330 fc	200 fc	120 fc	85 fc	65 fc	48 fc

### • Optics @ 15°



Beam intensity  
776 200 cd

Field lumens  
29 230 lm

Efficacy  
30 lm/W

CCT  
5 540 K

Distance	30 m	40 m	50 m	60 m	70 m	80 m
Diameter	7.2 m	9.5 m	11.9 m	14.3 m	16.7 m	19.1 m
Illumination	870 lux	490 lux	320 lux	220 lux	160 lux	130 lux
Distance	100 ft	130 ft	165 ft	195 ft	230 ft	260 ft
Diameter	23.8 ft	31 ft	39.4 ft	46.5 ft	54.9 ft	62 ft
Illumination	80 fc	46 fc	29 fc	21 fc	15 fc	12 fc

## Remote control

- Data protocol: USITT DMX512-A  
RDM / Art-Net / sACN

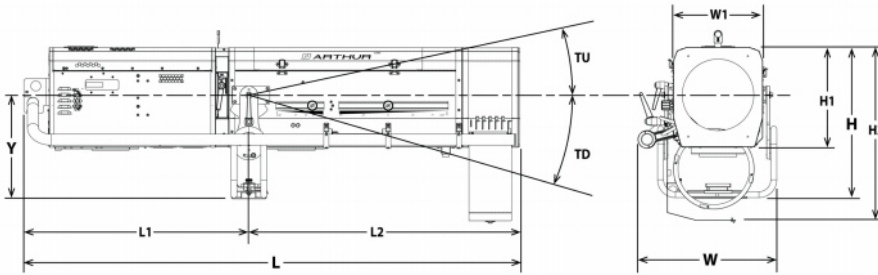
- Data IN connector: 5 pins XLR male + RJ45
- Data OUT connector 5 pins XLR female



### • DMX chart:

Mode 1 (1 channels)	Mode 2 (2 channels)	Mode 3 (5 channels)	Mode 4 (6 channels)	Mode 5 (6 channels)	Mode 6 (8 channels)
Dimmer	Dimmer Dimmer fine	Dimmer Strobe duration Strobe speed Response time Control mode	Dimmer Master dimmer Strobe duration Strobe speed Response time Control mode	Dimmer Master dimmer Strobe duration Strobe speed Response time Control mode	Dimmer Dimmer fine Master dimmer Master dimmer fine Strobe duration Strobe speed Response time Control mode

## Dimensions and weight



**Weight:** 68.8 kg (151.4 lbs)

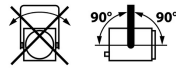
Height	Length	Width	Yoke	Tilt
H= 508 mm (20 in)	L= 1665 mm (65.6 in)	W= 461 mm (18.1 in)	Y= 340 mm (13.4 in)	TU= 30°
H1= 345 mm (13.6 in)	L1= 755 mm (29.7 in)	W1= 300 mm (11.8 in)		TD= 61°
H2= 590 mm (23.2 in)	L2= 910 mm (35.8 in)			

## Shipping

- **Weight :** 120 kg (264 lbs)
- **Volume :** 1.1 m<sup>3</sup> (38.84 ft<sup>3</sup>)

## Installation

- **Minimum distance to illuminated surface:** 1.3 m ( 4.3 ft )
- **Operating position:**



## Construction

- **Housing:** Steel sheet - Aluminium
- **Colour:** Black
- **Cooling:** Variable fans
- **Maximum ambient temperature (Ta):** 40°C (104°F)
- **Maximum case temperature (Tc):** 51°C (123.8°F)
- **Total heat dissipation:** 3 277 BTU/h
- **Protection rating:** 20

## 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:** removeable power cord with Neutrik powerCON TRUE1 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	4.3 A	960 W	0.97
120 V	60 Hz	8.7 A	1030 W	0.98
100 V	60 Hz	10.7 A	1080 W	0.98

## Power Supply Unit

- **PSU:** Internal - Electronic PSU - Flicker free with PFC
- **Control:** Local / DMX
- **Protection:** Mains: 20A 2P 2D fast switch breaker - UL /
- **Power thru:** Neutrik powerCON TRUE1 - Maximum of 3 units (230 V) / 1 units (120 V)

## Warranty

- **Fixture: 3 years**  
See General Sales Condition on website

## Approvals







## Acoustics

- **Noise level:** < 34,9 dB(A)

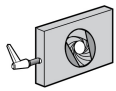











## Model










<b>1014</b>	LED 800 W Followspot - 1014 Arthur - Cool White - 5.5/15°
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## Options

<b>PCP1716A</b>	16A blue 2P+E 6h IEC60309 power connector	
<b>FRO/SMCPV</b>	Heavy duty adjustable yoke equipped with TILT SpotMe sensor (C type)	
<b>M270/2TM</b>	6 ways "push/pull" colour changer	
<b>FC1014</b>	Flight-case for LLT range / GT stand / accessories - Dim: 1838x599x854mm - Weight: 61 Kg	

## Accessories

<b>CCU1</b>	Full closing iris cassette - Ø72mm - Weight: 1.33 Kg <b>1 included</b>	
<b>PF1013</b>	Ø270 mm metal filter holder <b>6 included</b>	
<b>SGUP2</b>	Universal "A" size gobo-holder (metal, glass, frosted glass) <b>1 included</b>	
<b>VDM120</b>	Ø120mm frosted glass with holder <b>1 included</b>	
<b>M270/2B</b>	6 ways "boomerang" colour changer <b>1 included</b>	
<b>CCU1SM</b>	Full closing iris cassette with position sensor for SpotMe system - Ø72mm	
<b>GT4000</b>	Tripod stand with safety chain - SWL: 130 Kg - max. height: 1030 mm - Weight: 7.91 Kg	
<b>GT4000RSM</b>	Tripod stand with ball head rotation with security chain and SpotMe PAN sensor - SWL: 130 Kg - max. height: 1030 mm	
<b>GT4000S</b>	Tripod stand without safety chain - SWL: 130 Kg - max. height: 1030 mm - Weight: 8.65 Kg	
<b>JPP</b>	Monopod stand for overhead followspot - Weight: 3.6 Kg	
<b>T4000</b>	Followspot mount for Ø50mm pipe (suspension or overhead) - SWL= 100 Kg - Weight: 4.88 Kg	
<b>T4000RSM</b>	Followspot mount with ball head rotation and SpotMe PAN sensor - SWL = 100 Kg - Weight: 8.53 Kg	

<b>FCM120/2</b>	Ø120mm 1/2 CTO correction filter (Rosco #3408) with holder	
<b>VD120</b>	120x120mm frosted glass	
<b>FRO/SMCPD</b>	Heavy duty adjustable yoke equipped with TILT SpotMe sensor (C type)	
<b>Kit TELRAD</b>	Telrad followspot sight with raiser and universal mounting kit - Weight: 1.23 Kg	
<b>SDUP</b>	Followspot cue sheet holder with universal mounting kit	
<b>TCSM</b>	SpotMe calibration tool kit	
<b>Maestro</b>	Maestro server for SpotMe - rackable unit: 1U - half 19" - Weight: 1.2 Kg	
<b>P2FU</b>	Dual-function programmable remote controller - USB connector	
<b>SMS</b>	SpotMe server + 2 sensor cables + flight case	
<b>FC1014/S</b>	Flight-case for LLT range / GT stand / accessories - Weight: 61 Kg	