

# LUCY - 1449B

COMPACT - 1200 W HMI



- **Type:** Followspot
- **Source:** 1200 W HMI
- **PSU:** Magnetic - hot restrike
- **Optics:** 13° to 24° zoom
- **DMX-control of motorised dimmer shutter**

Followspot

## High output with DMX dimming control

The short-throw Lucy out-performs Xenon followspots of higher wattage. It is widely used in theatres where high output, instantaneous re-ignition, silent operation and compact dimensions are key. DMX dimming control enables perfect synchronisation of fades and blackouts.

### Features

- **Fully closing iris cassette:** removable for fast, easy replacement; protective backplate for extended lifespan
- **Universal adjustable gobo holder:** "A" size glass and metal gobos
- **Ergonomic dimmer control:** one-handed dim, pan and tilt
- **Smooth dimmer shutter:** retains flat beam and colour temperature when dimming
- **Remote DMX-control:** DMX-control of motorised dimmer shutter - effects synchronising remotely with pinpoint accuracy. Control from both local and DMX through 'Master' function
- **Frost filter:** on flip lever for quick soft-edge beam effect
- **Horizontal chopper (optional):** for masking control in TV studios and wide stages
- **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, 'push/pull' colour changer system for simultaneous use of multiple filters
- **Scroller:** standard scroller colour changer can be installed and powered from the unit through built-in XLR (24V+DMX) output connector
- **RJ NET:** ensures optimum operation capacities, providing a wide pallet of feedback information (dimming level, lamp hours, projector status...) on integrated LCD display
- **Easy focus reference:** graduated scale on side of the unit; fast and easy refocusing
- **Adjustable yoke (optional):** 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

- **Factory set optical train:** travels safely within followspot and requires no time-consuming realignment on arrival. Uniform beam on all followspots of same type
- **SX optical system:** double condenser optics for exceptional optical quality
- **Gobo :** excellent gobo projection
- **Variable zoom optics:** sharp focus at every beam angle. Independent control of image size and focus.

### Construction

- **Made in France :** fully manufactured in Robert Juliat premises retaining complete control over all aspects of quality
- **Separate PSU:** compact for easy handling and rapid maintenance
- **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, 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

Picture:1449 + FRO/1117PV

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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.

Robert Juliat S.A.S., 32 rue de Beaumont, 60530 Fresnoy-en-Thelle - France  
Telephone : +33 (0)3 44 26 51 89 - fax : +33 (0)3 44 26 90 79 - info@robertjuliat.fr  
www.robertjuliat.com



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## Source



- **Lamp type:** Discharge
- **Power:** 1200 W
- **Socket:** SFC 15.5-6
- **Hot re-strike:** yes

Admissible lamps	Power *	Lumen output*	Colour temperature*	Life*	CRI* (min)
CSR 1200W DE (GE)	1 200 W	110 000 lm	6000K	750 h	85
HMI 1200W/DXS (Osram)	1 200 W	110 000 lm	6000K	1 000 h	90
MSI 1200 (Philips)	1 200 W	110 000 lm	5600K	1 000 h	80

(\*) manufacturer's data

## Optics

### Characteristics

- **Type:** Zoom
- **Beam range:** 13° to 24°
- **Focal length:** 169 - 316 mm

### Gel filter

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

### Gobo

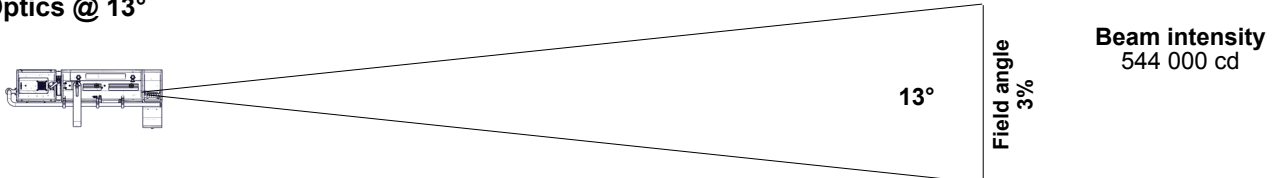
- **Size:** A
- **Material:** Metal  
Glass



## Photometrics

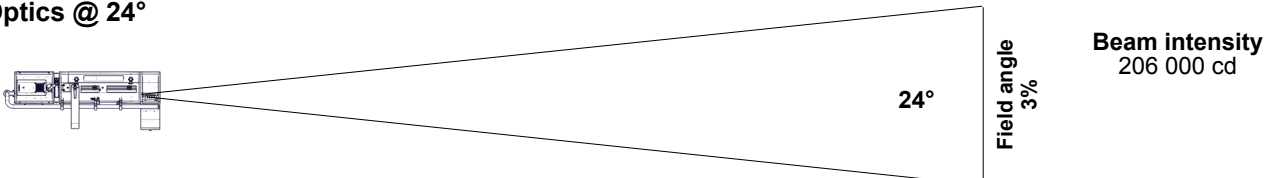
with HMI 1200W/DXS (Osram) source

### • Optics @ 13°



<b>Distance</b>	5 m	10 m	15 m	20 m	25 m	30 m
<b>Diameter</b>	1.1 m	2.3 m	3.4 m	4.6 m	5.7 m	6.8 m
<b>Illumination</b>	22 000 lux	5 500 lux	2 450 lux	1 400 lux	880 lux	610 lux
<b>Distance</b>	15 ft	35 ft	50 ft	65 ft	80 ft	100 ft
<b>Diameter</b>	3.4 ft	8 ft	11.4 ft	14.8 ft	18.2 ft	22.8 ft
<b>Illumination</b>	2 450 fc	450 fc	220 fc	130 fc	90 fc	55 fc

### • Optics @ 24°



<b>Distance</b>	5 m	10 m	15 m	20 m	25 m	30 m
<b>Diameter</b>	2.1 m	4.3 m	6.4 m	8.5 m	10.6 m	12.8 m
<b>Illumination</b>	8 300 lux	2 100 lux	920 lux	520 lux	330 lux	230 lux
<b>Distance</b>	15 ft	35 ft	50 ft	65 ft	80 ft	100 ft
<b>Diameter</b>	6.4 ft	14.9 ft	21.3 ft	27.6 ft	34 ft	42.5 ft
<b>Illumination</b>	920 fc	170 fc	85 fc	49 fc	33 fc	21 fc

## Remote control

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

- **Data IN connector:** 5 pins XLR male
- **Data OUT connector:** 5 pins XLR female



### • DMX chart:

#### Mode 1 (2 channels)

Mode control  
Dimmer

#### Mode 2 (3 channels)

Mode control  
Dimmer  
Dimmer fine

#### Mode 3 (3 channels)

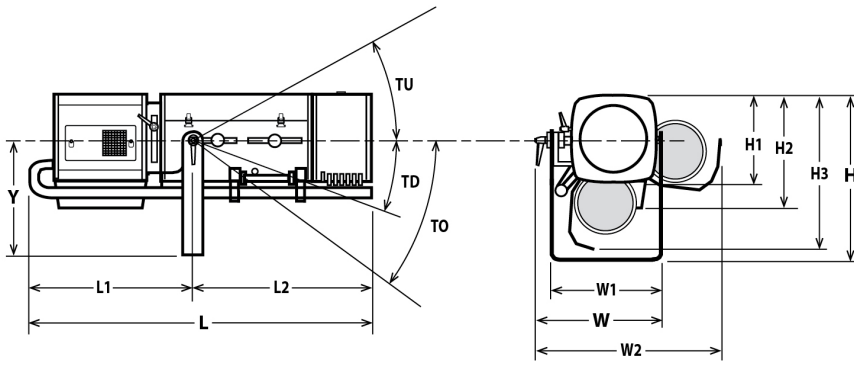
Mode control  
Dimmer  
Dimmer master

#### Mode 4 (4 channels)

Mode control  
Dimmer  
Dimmer fine  
Dimmer master

## Dimensions and weight

### Unit



**Weight:** 35 kg (77 lbs)

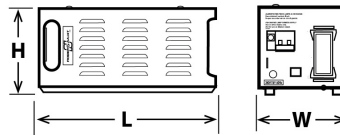
Height	Length	Width	Yoke	Tilt	Option
H= 450 mm (17.7 in)	L= 970 mm (38.2 in)	W= 410 mm (16.1 in)	Y= 325 mm (12.8 in)	TU= 45°	TO= TBD°
H1= 250 mm (9.8 in)	L1= 480 mm (18.9 in)	W1= 350 mm (13.8 in)		TD= 40°	
H2= 340 mm (13.4 in)	L2= 490 mm (19.3 in)	W2= 570 mm (22.4 in)			
H3= 490 mm (19.3 in)					

### Shipping

• **Weight :** 92.6 kg (203.7 lbs)

• **Volume :** .58 m<sup>3</sup> (20.48 ft<sup>3</sup>)

### PSU

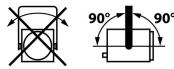


**Width:** W= 185 mm (7.3 in)  
**Height:** H= 200 mm (7.9 in)  
**Length:** L= 450 mm (17.7 in)  
**Weight:** 24 Kg (52.8 lbs)

### Installation

• **Minimum distance to illuminated surface:** 2.8 m ( 9.2 ft )

• **Operating position:**



### Warranty

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

### Approvals



### Construction

- **Housing:** Steel sheet - Aluminium
- **Colour:** Black
- **Cooling:** Low noise fan
- **Maximum ambient temperature (Ta):** 40°C (104°F)
- **Maximum case temperature (Tc):** 230°C (446°F)
- **Total heat dissipation:** 5 290 BTU/h
- **Ingress Protection (IP) rating:** IP20

- **PSU housing:** Steel sheet - Aluminium
- **PSU colour:** Black
- **PSU cooling:** Convection cooling
- **PSU maximum ambient temperature (Ta):** 40°C (104°F)
- **PSU maximum case temperature (Tc):** 60°C (140°F)

### 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: intenal

### Power input

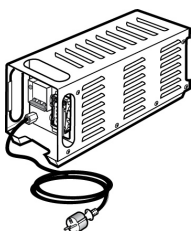


- **Type:** attached power cord
- **Cable:** H07RNF 3G1.5
- **Length:** 3 m (9.8 ft)
- **Power connector:** CEE 7/7 (2P+E NF/Schuko)

### Power consumption

Voltage	Frequency	Current	Power	Power factor
230 V	50 Hz		1550 W	
120 V	60 Hz			
245 V	50 Hz			

### Power Supply Unit









- **PSU:** Separate - Magnetic PSU
- **Lighting unit / PSU cable:** Removable cable - length: 3 m (9,8 ft)  
 Type: 18G1,5 JZ 602-RC (CE-UL/CSA) with 16x16A+E Harting Han® connectors
- **Maximum distance between lighting unit and PSU:** 25 m (82 ft)
- **Control:** Local
- **Protection:** Mains: 16A 2P2D - C curve breaker / Electronic: 6A 2P2D - C curve breaker

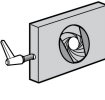






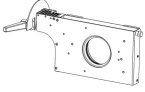

## Model








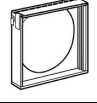




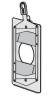

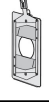




<b>1449B</b>	1200 W HMI Followspot - 1449B Lucy - 13/24° - Magnetic PSU - DMX dimmer control
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## Options

<b>PCP1716A</b>	16A blue 2P+E 6h IEC60309 power connector	
<b>FRO/1117PV</b>	Heavy duty adjustable yoke	
<b>FRO/SMEPV</b>	Heavy duty adjustable yoke equipped with TILT SpotMe sensor (E type)	
<b>PG80</b>	Ø80mm chopper kit (G80+ GR120+ adaptation kit)	
<b>M210BM</b>	6 ways "boomerang" colour changer	
<b>CAG/C</b>	Left side controls option for Compact range (Iris/Dimmer/Frost/Colour changer)	
<b>FC1459</b>	Flight-case for Compact range / GT stand / P.S.U. / accessories - Dim: 1340x710x700mm - Weight: 55 Kg	

## Accessories

<b>CCU1</b>	Full closing iris cassette - Ø72mm - Poids: 1.33 Kg <b>1 included</b>	
<b>PF1011</b>	Ø210 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>VDM100</b>	Ø97mm frosted glass with holder <b>1 included</b>	
<b>M210T</b>	6 ways "push/pull" colour changer - Poids: 3.67 Kg <b>1 included</b>	
<b>TC1149</b>	Tool case with spare parts - Poids: 1.65 Kg <b>1 included</b>	
<b>HMI 1200W/DXS</b>	HMI 1200W/DXS - Osram SFC 15.5-6 1200W 1000h 6000K lamp	
<b>CCU1SM</b>	Full closing iris cassette with position sensor for SpotMe system - Ø72mm	
<b>GT1000</b>	Tripod stand - SWL: 40 Kg - max. height: 1550 mm - Poids: 9.27 Kg	

<b>GT4000</b>	Tripod stand with safety chain - SWL: 130 Kg - max. height: 1030 mm - Poids: 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 - Poids: 8.65 Kg	
<b>JPP</b>	Monopod stand for overhead followspot - Poids: 3.6 Kg	
<b>T1000</b>	TV spigot with followspots swivel head - Poids: 1.82 Kg	
<b>T4000</b>	Followspot mount for Ø50mm pipe (suspension or overhead) - SWL= 100 Kg - Poids: 4.88 Kg	
<b>T4000RSM</b>	Followspot mount with ball head rotation and SpotMe PAN sensor - SWL = 100 Kg - Poids: 8.53 Kg	
<b>CAV700A</b>	Double slot front cassette for 215x215mm accessories - Poids: 0.52 Kg	
<b>FCM100R</b>	Ø97mm 1/2 CTO correction filter (Rosco #3408) with holder	
<b>VD120</b>	120x120mm frosted glass	
<b>FRO/1017PD</b>	Heavy duty adjustable yoke - Poids: 4.33 Kg	
<b>FRO/SMEPD</b>	Heavy duty adjustable yoke equipped with TILT SpotMe sensor (E type)	
<b>G80</b>	Ø80mm horizontal chopper - Poids: 0.37 Kg	
<b>GR120</b>	Slot reducer for SGUP gobo holder (if PG80 option ) - Poids: 0.2 Kg	
<b>Kit G80</b>	Ø80mm chopper kit (G80+ GR120+ adaptation kit) - Poids: 0.69 Kg	
<b>M210B</b>	6 ways "boomerang" colour changer - Poids: 3.36 Kg	
<b>M210TVCL</b>	Light shield for M210T push/pull colour changer - Poids: 1.98 Kg	
<b>Kit TELRAD</b>	Telrad followspot sight with raiser and universal mounting kit - Poids: 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" - Poids: 1.2 Kg	
<b>P1FCAN</b>	Remote controller for dimming shutters - Poids: 0.44 Kg	
<b>SMS</b>	SpotMe server + 2 sensor cables + flight case	