# LEXIE - 1176 CW

ULTRA COMPACT - LED 420 W

Followspot




- **Type:** Followspot
- **Source:** LED 420 W
- **Optics:** 10.5° to 22.5° zoom
- **Colour temperature:** Cool White

## Redefining ultra compact performance!

The Lexie LED followspot redefines ultra compact performance, delivering the output of a 1200W HID followspot in a small compact form factor. With the size of a Roxie 2 but the light output of an Oz or Super Korrigan, Lexie is the perfect entry-level solution without compromising on essential features. Lexie is equipped with all the signature functions of Robert Juliat followspots, including a full-closing iris, smooth electronic dimming (local and remote via DMX), and advanced RJ network capabilities such as sACN, ArtNet, node functionality, and a web-based interface. Ideal for venues seeking a high-performance yet cost-effective followspot, Lexie is a powerful addition to any lighting setup.

### Features

- **Fully closing iris:** removable for fast, easy replacement
- **Universal gobo holder:** "A" size glass and metal gobo
- **Local control:** light intensity adjustment through built-in potentiometer
- **Internal filter holder:** for long-term use of frost optical filters
- **Colour changer:** 6-way, 'push/pull' colour changer system for simultaneous use of multiple filters
- **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
- **Remote setup:** all parameters can be adjusted by RDM protocol or by web interface
- **Adjustable response time:** choice of fast or slow dimming for tungsten-like simulation
- **PWM adjustment:** choice of different PWM dimming frequencies - continuous mode available
- **Advanced Ethernet node functionalities:** compatible with RDM, LLRP, Zeroconf protocols
- **Local setup:** DMX address and mode, dimming curve and response time through 4-button display with automatic light switch-off
- **Dimming parameters:** choice of square or linear dimming curves
- **DMX:** 8 or 16 bit dimming, response time and strobe function
- **Easy focus reference:** graduated scale on side of the unit; fast and easy refocusing

### Optical

- **Long life:** outstanding operational lifetime expectation, no need to replace lamps, low maintenance
- **Coated SX optical system:** double condenser optics for exceptional optical quality - Anti-Reflective coating to ensure optimal light transmission
- **Variable zoom optics:** sharp focus at every beam angle. Independent control of image size and focus.
- **Coated zoom lenses:** all zoom lenses are anti-reflective coated (AR) to ensure a maximum transmission of light.
- **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:** compatible 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 a silent mode for perfect integration in concert halls
- **Bodywork:** strong sheet metal construction for durability
- **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

DSEN430_1176_CW - 15/10/2026
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

Picture:1176

## Source *(Light quality report(s) available at the end of the document)*

- **Lamp type:** LED
- **Power:** 420 W

| LED specifications | Power * | Lumen output* | Colour temperature* | Life* | |
|---|---|---|---|---|---|
| TCW03 | 420 W | 41 400 lm | 6500K | 30 000 h | 90 |

*(*) manufacturer's data*

## Optics

### Characteristics

- **Type:** Zoom
- **Range:** 10.5° to 22.5° (Field angle)
- **Focal length:** - mm

### Gel filter

- **Shape:** Circle
- **Standard size:** 165 mm (6.5 in)

### Gobo

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

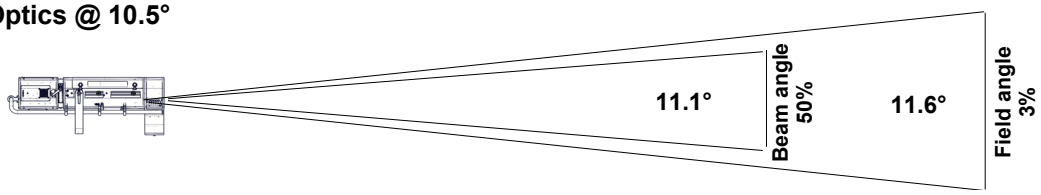



**100 mm**
***Maximum image size**

## Photometrics *(Photometrics report(s) available at the end of the document)*

optics: 10,5°-22,5° / Standard

### • Optics @ 10.5°



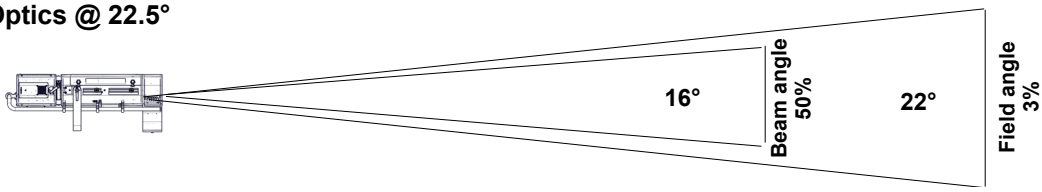

**Beam intensity**
681 700 cd

**Field lumens**
15 920 lm

**Efficacy**
32 lm/W

| | | | | | | |
|---|---|---|---|---|---|---|
| **Distance** | 5 m | 10 m | 15 m | 20 m | 25 m | 30 m |
| **Diameter** | 1 m | 2 m | 3 m | 4.1 m | 5.1 m | 6.1 m |
| **Illumination** | 27 500 lux | 6 900 lux | 3 050 lux | 1 750 lux | 1 100 lux | 760 lux |
| **Distance** | 15 ft | 35 ft | 50 ft | 65 ft | 80 ft | 100 ft |
| **Diameter** | 3 ft | 7.1 ft | 10.2 ft | 13.2 ft | 16.3 ft | 20.3 ft |
| **Illumination** | 3 050 fc | 560 fc | 280 fc | 170 fc | 110 fc | 70 fc |

### • Optics @ 22.5°




**Beam intensity**
213 700 cd

**Field lumens**
14 010 lm

**Efficacy**
28 lm/W

| | | | | | | |
|---|---|---|---|---|---|---|
| **Distance** | 5 m | 10 m | 15 m | 20 m | 25 m | 30 m |
| **Diameter** | 1.9 m | 3.9 m | 5.8 m | 7.8 m | 9.7 m | 11.7 m |
| **Illumination** | 8 600 lux | 2 150 lux | 950 lux | 540 lux | 350 lux | 240 lux |
| **Distance** | 15 ft | 35 ft | 50 ft | 65 ft | 80 ft | 100 ft |
| **Diameter** | 5.8 ft | 13.6 ft | 19.4 ft | 25.3 ft | 31.1 ft | 38.9 ft |
| **Illumination** | 950 fc | 180 fc | 90 fc | 55 fc | 34 fc | 22 fc |

## Remote control

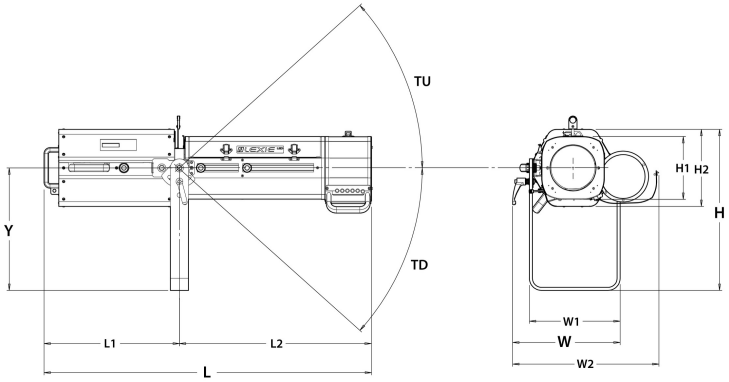
- **Data protocol:** USITT DMX512-A
  RDM / Art-Net / sACN
- **Data IN connector:** 5 pins XLR male + etherCON RJ45
- **Data OUT connector** 5 pins XLR female



- **DMX chart:**

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

## Dimensions and weight




**Weight:** 24 kg (52.8 lbs)

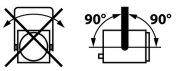
| Height | Length | Width | Yoke | Tilt |
|---|---|---|---|---|
| H= 532 mm (20.9 in)<br>H1= 208 mm (8.2 in)<br>H2= 255 mm (10 in) | L= 1083 mm (42.6 in)<br>L1= 44 mm (1.7 in)<br>L2= 634 mm (25 in) | W= 356 mm (14 in)<br>W1= 300 mm (11.8 in)<br>W2= 484 mm (19.1 in) | Y= 405 mm (15.9 in) | TD= 68° |

## Shipping

- **Weight :** kg (0 lbs)
- **Volume :** $m^3$ (0 $ft^3$)

## Installation

- **Minimum distance to illuminated surface:** 1.5 m ( 4.9 ft )
- **Operating position:**




## Warranty

- **Fixture: 3 years**

***See General Sales Condition on website***

## Approvals

CE

## Construction

- **Housing:** Steel sheet - Aluminium
- **Colour:** Black
- **Cooling:** Low noise variable fan
- **Maximum ambient temperature (Ta):** 40°C (104°F)
- **Maximum case temperature (Tc):** 70°C (158°F)
- **Total heat dissipation:** 1 724 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 compatible 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 | 2.33 A | 505 W | 0.95 |
| 110 V | 60 Hz | 4.84 A | 515 W | 0.99 |
| 100 V | 60 Hz | 5.35 A | 519 W | 0.99 |

## Power Supply Unit

- **PSU:** Internal - Electronic PSU - Flicker free with PFC
- **Control:** Local / DMX
- **Protection:** Mains: 2x 10A 5x20 T fuses /

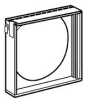
## Model

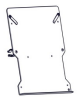
| | |
|---|---|
| **1176 CW** | LED 420 W Followspot - 1176 CW Lexie - Cool White - 10.5/22.5° |

## Options

| | | |
|---|---|---|
| **PCP1716A** | 16A blue 2P+E 6h IEC60309 power connector |  |
| **FC1176** | Flight-case for Large Ultra Compact range / GT stand - Dim: xxmm - Weight: Kg |  |

## Accessories

| | | |
|---|---|---|
| **IS750** | Full closing iris with holder - Weight: 0.35 Kg<br>**1 included** |  |
| **PF1114** | Ø165 mm metal filter holder<br>**6 included** |  |
| **SGUX** | Universal "A" size gobo-holder (metal, glass, frosted glass)<br>**1 included** |  |
| **M165TP** | 6 ways "push/pull" colour changer - Weight: 2.09 Kg<br>**1 included** |  |
| **GT1000** | Tripod stand - SWL: 40 Kg - max. height: 1550 mm - Weight: 9.27 Kg |  |
| **GT800** | Tripod stand - SWL: 40 Kg - max. height: 1550 mm - Weight: 7.98 Kg |  |
| **T1000** | TV spigot with followspots swivel head - Weight: 1.82 Kg |  |
| **T4000** | Followspot mount for Ø50mm pipe (suspension or overhead) - SWL= 100 Kg - Weight: 4.88 Kg |  |
| **CAV600A** | Double slot front cassette for 180x180mm accessories - Weight: 0.43 Kg |  |
| **FO120C-1** | 120x120mm 1° frost optical filter |  |
| **FO120C-10** | 120x120mm 10° frost optical filter |  |
| **FO120C-2** | 120x120mm 2° frost optical filter |  |
| **FO120C-5** | 120x120mm 5° frost optical filter |  |
| **VD120** | 120x120mm frosted glass |  |

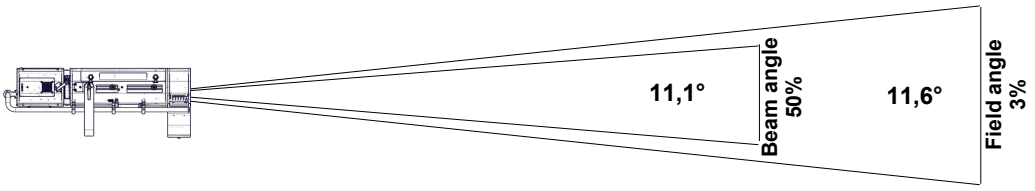
| | | |
|---|---|---|
| **Kit TELRAD** | Telrad followspot sight with raiser and universal mounting kit - Weight: 1.23 Kg |  |
| **SDUP** | Followspot cue sheet holder with universal mounting kit |  |
| **DMXcat** | Bluetooth DMX/RDM Multifunction test tool - City Theatrical DMXcat® |  |
| **FC1176/S** | Flight-case for Large Ultra Compact range / GT stand |  |
| **W/GT800** | Set of 3 wheels for GT800/1000 stand - Weight: 2.33 Kg |  |

## Photometrics report

**optics: 10,5°-22,5° / Standard**

### • Optics @ 10,5°

| Field lumens | Beam lumens | Efficacy | Beam intensity | CCT | Delta uv |
|---|---|---|---|---|---|
| 15 920 Lm | 15 310 Lm | 32 Lm/W | 681 700 Cd | 6 360 K | -0.0021 |




| | | | | | | |
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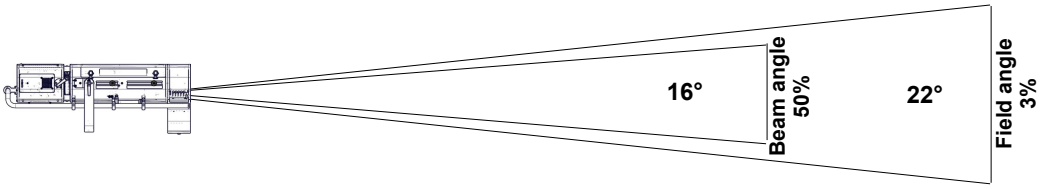
| **Illumination** | 27 500 lux | 6 900 lux | 3 050 lux | 1 750 lux | 1 100 lux | 760 lux |
| **Distance** | 15 ft | 35 ft | 50 ft | 65 ft | 80 ft | 100 ft |
| **Field diameter** | 3 ft | 7,1 ft | 10,2 ft | 13,2 ft | 16,3 ft | 20,3 ft |
| **Illumination** | 3 050 fc | 560 fc | 280 fc | 170 fc | 110 fc | 70 fc |

### • Optics @ 22,5°

| Field lumens | Beam lumens | Efficacy | Beam intensity | CCT | Delta uv |
|---|---|---|---|---|---|
| 14 010 Lm | 10 230 Lm | 28 Lm/W | 213 700 Cd | 6 240 K | -0.0024 |




| | | | | | | |
|---|---|---|---|---|---|---|
| **Distance** | 5 m | 10 m | 15 m | 20 m | 25 m | 30 m |
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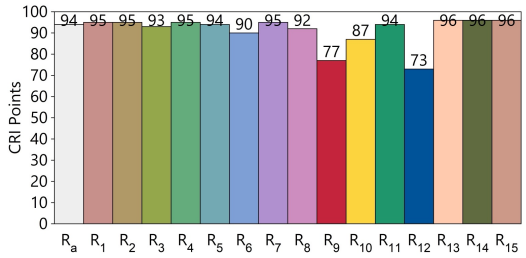
| **Field diameter** | 5,8 ft | 13,6 ft | 19,4 ft | 25,3 ft | 31,1 ft | 38,9 ft |
| **Illumination** | 950 fc | 180 fc | 90 fc | 55 fc | 34 fc | 22 fc |

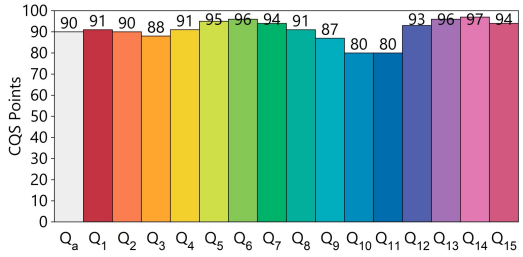
## Light quality report

| CCT | DeltaUV | CRI Ra | CRI R9 | CQS Qa | TM30-18 Rf | TM30-18 Rg | TLCI | SSI [6284] |
|---|---|---|---|---|---|---|---|---|
| 6 280K | -0.0024 | 94 | 77 | 90 | 90 | 100 | 93 | 71 |

### CRI - CIE Colour Rendering Index

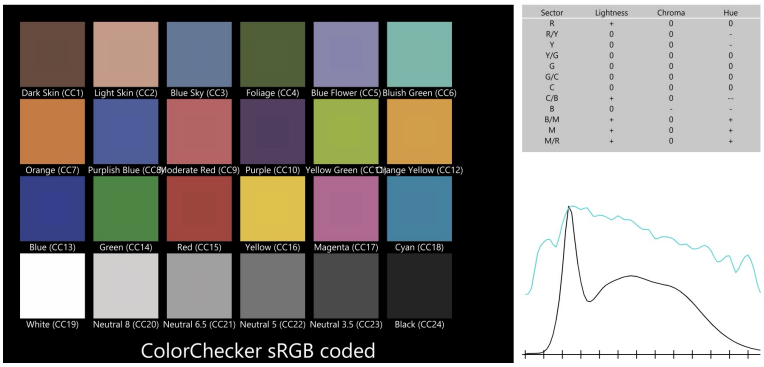



### CQS - NIST Colour Quality Scale

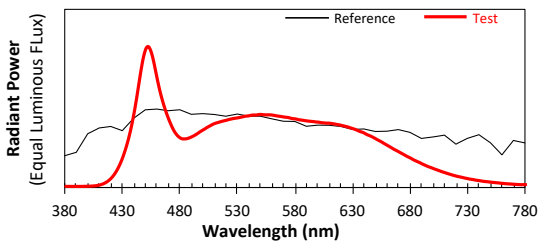


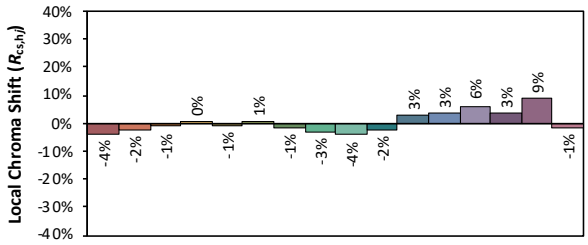

### TLCI - Television Lighting Consistency Index

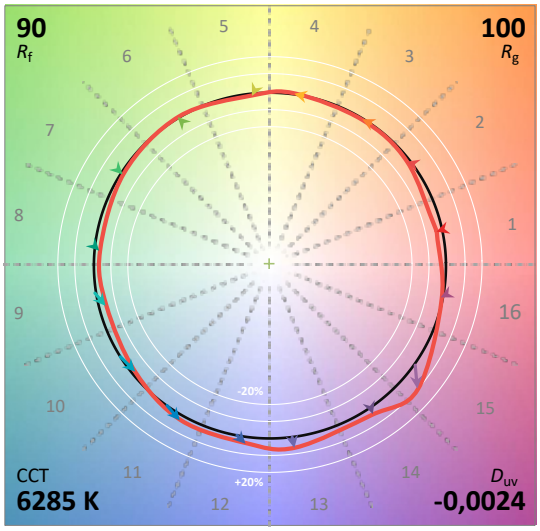
Test : CCT = D6284 (-1.0)
TLCI-2012 : 93 (D6284)

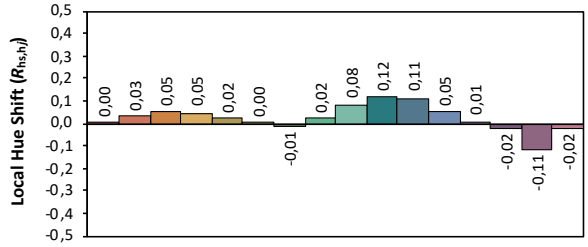


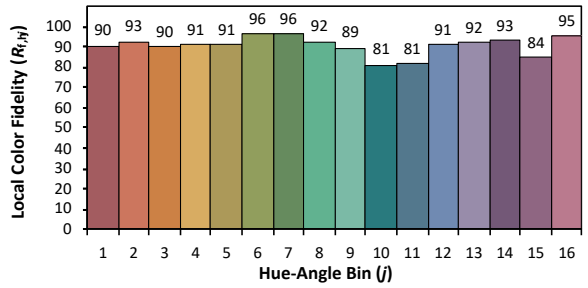

### ANSI/IES TM-30-18 Colour Rendition Report

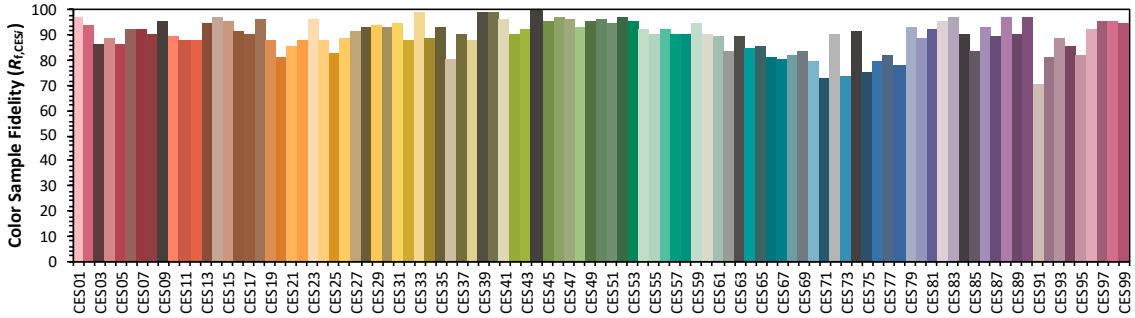



Colours are for visual orientation purposes only. Created with the IES TM-30-18 Calculator Version 2.00

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