

# SULLY - 305LPB CW

305 - LED 115 W



- **Type:** Single lens luminaire
- **Source:** LED 115 W
- **Optics:** 150 mm Pebble lens
- **Colour temperature:** Cool White

Single lens

## The multi-purpose LED spot with interchangeable lens

Providing a multi-faceted solution in a compact package, Sully 305LPB luminaire combines a high-quality 115W white LED source with a single 150 mm / 6" Pebble Convex lens which can be easily changed for a Fresnel lens. It is especially valuable in multi-purpose venues and rental companies where the interchangeable lens can be put to full use. With uniform light, very wide beam spread up to 100° and premium colour rendering, Sully Pebble will easily substitute 1000W tungsten models. It is an affordable and lightweight unit with no compromise on build quality and overall performance.

### Features

- **Theatre front cassette:** no light spill to distract audiences or performers
- **Colour runners:** double runners to hold accessories and colour filters
- **Barn door:** unique rotating barn door with 4 individually rotating blades – makes even the most difficult angle possible
- **Adjustable response time:** choice of fast or slow dimming for tungsten-like simulation - adjustment by DMX protocol
- **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
- **PWM adjustment:** choice of different PWM dimming frequencies - continuous mode available
- **DMX:** 8 or 16 bit dimming and strobe function
- **Dimming parameters:** choice of square or linear dimming curves
- **Focus reference:** index for easy focus reference
- **Focus adjustment:** smooth focus adjustment from rear
- **Tilt reference on hanging yoke:** index for rapid re-positioning

### Optical

- **Long life:** outstanding operational lifetime expectation, no need to replace lamps, low maintenance
- **Beam shaping :** efficient barndoors in any focus position
- **Wide angle:** up to 100° from edge to edge
- **Choice of 2 lenses :** Fresnel or Pebble-Convex lens – requires a standard screwdriver only
- **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 TOP 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
- **Bodywork:** strong sheet metal construction for durability
- **Captive knobs and handles:** additional security when working at height or in transit
- **Easy access to all parts:** easy cleaning and maintenance
- **Safety first:** front accessories safety cable attachment point

Picture:305LPB

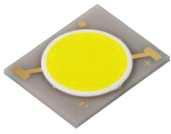
DSEN372\_305LPB\_CW - 06/04/2021

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



ROBERT JULIAT



- Lamp type: LED
- Power: 115 W

| LED specifications | Power * | Lumen output* | Colour temperature* | CRI* |
|--------------------|---------|---------------|---------------------|------|
| LED 115W CW        | 115 W   | 14 300 lm     | 5700K               | 93   |

(\*) manufacturer's data

## Optics

### Characteristics

- Type: Single lens
- Beam range: 28° to 100°
- Lens: 150 mm Pebble lens

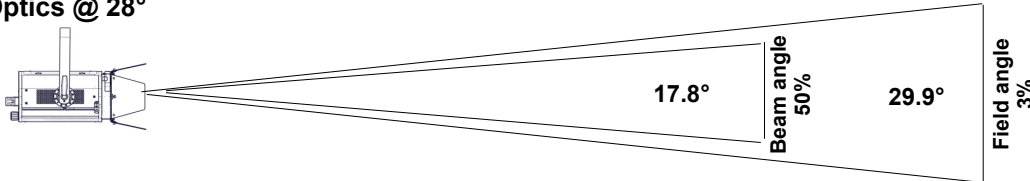
### Gel filter

- Shape: Square
- Standard size: 180x180 mm (7.1x7.1")

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

with LED 115W CW source

### • Optics @ 28°



**Beam intensity**  
22 400 cd

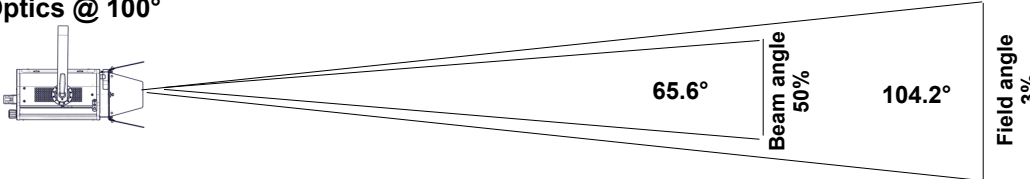
**Field lumens**  
2 850 lm

**Efficacy**  
22 lm/W

**CCT**  
5 380 K

|                     |           |         |         |         |         |         |
|---------------------|-----------|---------|---------|---------|---------|---------|
| <b>Distance</b>     | 3 m       | 5 m     | 7 m     | 10 m    | 12 m    | 15 m    |
| <b>Diameter</b>     | 1.6 m     | 2.7 m   | 3.7 m   | 5.3 m   | 6.4 m   | 8 m     |
| <b>Illumination</b> | 2 500 lux | 900 lux | 460 lux | 230 lux | 160 lux | 100 lux |
| <b>Distance</b>     | 10 ft     | 15 ft   | 25 ft   | 35 ft   | 40 ft   | 50 ft   |
| <b>Diameter</b>     | 5.3 ft    | 8 ft    | 13.4 ft | 18.7 ft | 21.4 ft | 26.7 ft |
| <b>Illumination</b> | 230 fc    | 100 fc  | 36 fc   | 19 fc   | 15 fc   | 9 fc    |

### • Optics @ 100°



**Beam intensity**  
5 600 cd

**Field lumens**  
13 150 lm

**Efficacy**  
102 lm/W

**CCT**  
5 420 K

|                     |         |         |         |         |          |          |
|---------------------|---------|---------|---------|---------|----------|----------|
| <b>Distance</b>     | 3 m     | 5 m     | 7 m     | 10 m    | 12 m     | 15 m     |
| <b>Diameter</b>     | 7.7 m   | 12.8 m  | 18 m    | 25.7 m  | 30.8 m   | 38.5 m   |
| <b>Illumination</b> | 630 lux | 230 lux | 120 lux | 60 lux  | 39 lux   | 25 lux   |
| <b>Distance</b>     | 10 ft   | 15 ft   | 25 ft   | 35 ft   | 40 ft    | 50 ft    |
| <b>Diameter</b>     | 25.7 ft | 38.5 ft | 64.2 ft | 89.9 ft | 102.8 ft | 128.5 ft |
| <b>Illumination</b> | 60 fc   | 25 fc   | 9 fc    | 5 fc    | 4 fc     | 3 fc     |

## Remote control

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

- Data IN connector: 5 pins XLR mâle + etherCON RJ45
- Data OUT connector: 5 pins XLR femelle



### • DMX chart:

#### Mode 1 (1 channels)

Dimmer

#### Mode 2 (2 channels)

Dimmer  
Dimmer fine

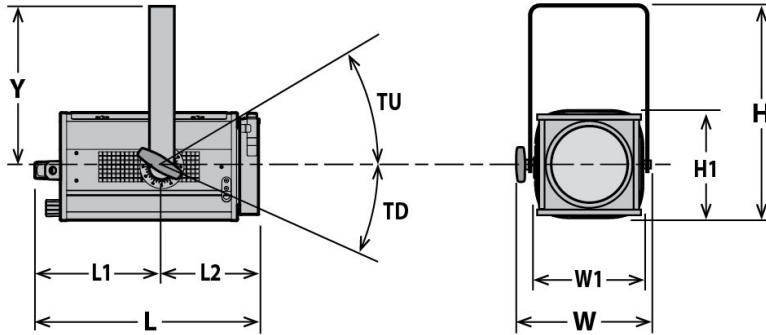
#### Mode 3 (5 channels)

Dimmer  
Strobe duration  
Strobe speed  
Response time  
Control mode

#### Mode 4 (6 channels)

Dimmer  
Master dimmer  
Strobe duration  
Strobe speed  
Response time  
Control mode

## Dimensions and weight



**Weight:** 8.8 kg (19.4 lbs)

| Height                                     | Length  | Width                                    | Yoke                | Tilt               |
|--|---|--|---------------------|--------------------|
| H= 387 mm (15.2 in)<br>H1= 212 mm (8.3 in) | L= 423 mm (16.7 in)<br>L1= 231 mm (9.1 in)<br>L2= 192 mm (7.6 in) | W= 304 mm (12 in)<br>W1= 208 mm (8.2 in) | Y= 283 mm (11.1 in) | TU= 90°<br>TD= 90° |

## Shipping

- **Weight :** kg (0 lbs)
- **Volume :** m<sup>3</sup> (0 ft<sup>3</sup>)

## Installation

- **Minimum distance to illuminated surface:** 0.2 m ( 0.7 ft )
- **Operating position:**



## Construction

- **Housing:** Steel sheet - Aluminium
- **Colour:** Black
- **Cooling:** Low noise variable fan
- **Maximum ambient temperature (Ta):** 40°C (104°F)
- **Maximum case temperature (Tc):** 62°C (143.6°F)
- **Total heat dissipation:** 444 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     | 0.7 A   | 130 W | 0.81         |
| 120 V   | 60 Hz     | 1.15 A  | 135 W | 0.98         |
| 100 V   | 60 Hz     | 1.4 A   | 135 W | 0.96         |

## Power Supply Unit

- **PSU:** Internal - Electronic PSU - Flicker free with PFC
- **Control:** / DMX
- **Protection:** Mains: 2x 6.3A 5x20 T fuses /
- **Power thru:** Neutrik powerCON TRUE1 TOP - Maximum of 22 units (230 V) / 12 units (120 V)

## Warranty

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

## Approvals




## Acoustics

- **Noise level:** < 24 dB(A)










## Model

|                  |   |
|------------------|---|
| <b>305LPB CW</b> | LED 115 W Single lens luminaire - 150mm Pebble - 305LPB CW Sully - Cool White |
|------------------|---|

## Options

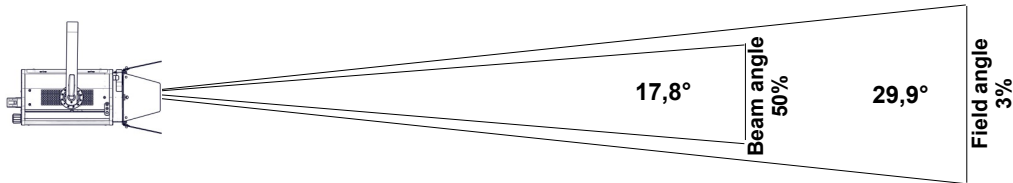
|                 |   |   |
|-----------------|---|---|
| <b>PCP1716A</b> | 16A blue 2P+E 6h IEC60309 power connector |  |
|-----------------|---|---|

## Accessories

|                 |   |   |
|-----------------|---|---|
| <b>PF500M2</b>  | 180x180mm metal filter holder<br><b>1 included</b>  |    |
| <b>CF500</b>    | 4 rotating leaves on a rotating barndoor - 180x180mm ( without safety cable) - Poids: 0.82 Kg |    |
| <b>L150 F/2</b> | Ø150mm Fresnel lens with double slot front cassette for 180x180mm accessories - Poids: 0.8 Kg |    |
| <b>TH600</b>    | 180x180mm "Top hat" (without safety cable)  |    |
| <b>DMXcat</b>   | Bluetooth DMX/RDM Multifunction test tool - City Theatrical DMXcat®                           |   |
| <b>876</b>      | Hook clamp 40x10mm with 28mm M10 screw for Ø35 to 50mm pipes - SWL: 50Kg - Poids: 1.25 Kg     |  |
| <b>880</b>      | Hook clamp 40x10mm with 28mm M10 screw for Ø50 to 63mm pipes - SWL: 50Kg - Poids: 1.36 Kg     |  |
| <b>CS2</b>      | Safety cable Ø3 mm L= 600mm - SWL: 75 Kg  |  |
| <b>CS5</b>      | Safety cable Ø1,5 mm L=300mm for front accessory with karabiner and quick link - SWL: 25 Kg   |  |

• Optics @ 28°

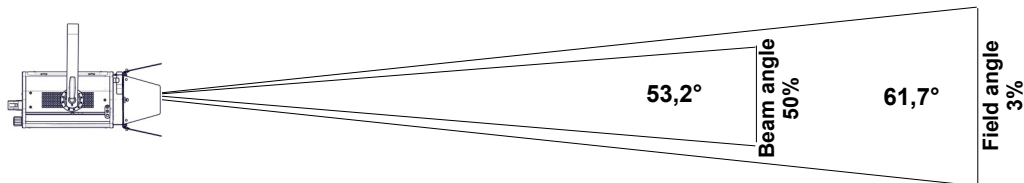
| Field lumens | Beam lumens | Efficacy | Beam intensity | CCT     | Delta uv |
|--------------|-------------|----------|----------------|---------|----------|
| 2 850 Lm     |             | 22 Lm/W  | 22 400 Cd      | 5 380 K |          |



|                |           |         |         |         |         |         |
|----------------|-----------|---------|---------|---------|---------|---------|
| Distance       | 3 m       | 5 m     | 7 m     | 10 m    | 12 m    | 15 m    |
| Field diameter | 1,6 m     | 2,7 m   | 3,7 m   | 5,3 m   | 6,4 m   | 8 m     |
| Illumination   | 2 500 lux | 900 lux | 460 lux | 230 lux | 160 lux | 100 lux |
| Distance       | 10 ft     | 15 ft   | 25 ft   | 35 ft   | 40 ft   | 50 ft   |
| Field diameter | 5,3 ft    | 8 ft    | 13,4 ft | 18,7 ft | 21,4 ft | 26,7 ft |
| Illumination   | 230 fc    | 100 fc  | 36 fc   | 19 fc   | 15 fc   | 9 fc    |

• Optics @ 60°

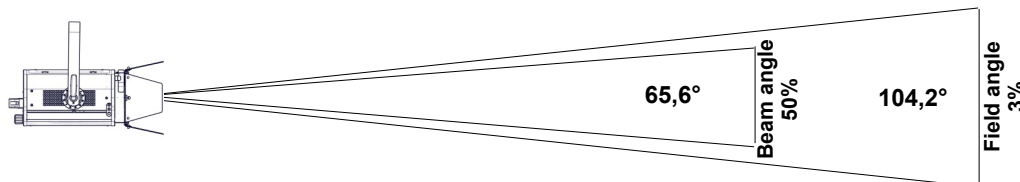
| Field lumens | Beam lumens | Efficacy | Beam intensity | CCT     | Delta uv |
|--------------|-------------|----------|----------------|---------|----------|
| 7 200 Lm     |             | 56 Lm/W  | 9 900 Cd       | 5 340 K |          |



|                |           |         |         |         |         |         |
|----------------|-----------|---------|---------|---------|---------|---------|
| Distance       | 3 m       | 5 m     | 7 m     | 10 m    | 12 m    | 15 m    |
| Field diameter | 3,6 m     | 6 m     | 8,4 m   | 11,9 m  | 14,3 m  | 17,9 m  |
| Illumination   | 1 150 lux | 400 lux | 210 lux | 100 lux | 70 lux  | 45 lux  |
| Distance       | 10 ft     | 15 ft   | 25 ft   | 35 ft   | 40 ft   | 50 ft   |
| Field diameter | 11,9 ft   | 17,9 ft | 29,9 ft | 41,8 ft | 47,8 ft | 59,7 ft |
| Illumination   | 100 fc    | 45 fc   | 16 fc   | 9 fc    | 7 fc    | 4 fc    |

• Optics @ 100°

| Field lumens | Beam lumens | Efficacy | Beam intensity | CCT     | Delta uv |
|--------------|-------------|----------|----------------|---------|----------|
| 13 150 Lm    |             | 102 Lm/W | 5 600 Cd       | 5 420 K |          |

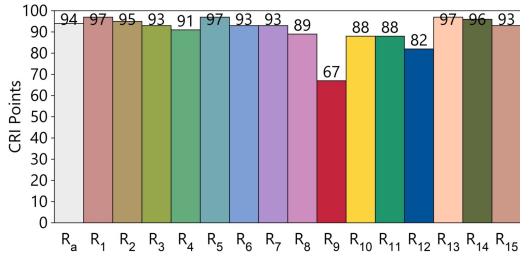


|                |         |         |         |         |          |          |
|----------------|---------|---------|---------|---------|----------|----------|
| Distance       | 3 m     | 5 m     | 7 m     | 10 m    | 12 m     | 15 m     |
| Field diameter | 7,7 m   | 12,8 m  | 18 m    | 25,7 m  | 30,8 m   | 38,5 m   |
| Illumination   | 630 lux | 230 lux | 120 lux | 60 lux  | 39 lux   | 25 lux   |
| Distance       | 10 ft   | 15 ft   | 25 ft   | 35 ft   | 40 ft    | 50 ft    |
| Field diameter | 25,7 ft | 38,5 ft | 64,2 ft | 89,9 ft | 102,8 ft | 128,5 ft |
| Illumination   | 60 fc   | 25 fc   | 9 fc    | 5 fc    | 4 fc     | 3 fc     |

# Light quality report

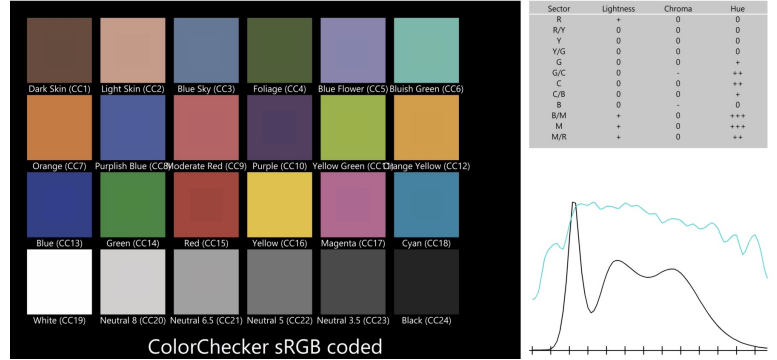
| CCT    | DeltaUV | CRI Ra | CRI R9 | CQS Qa | TLCI | TM30-18 Rf | TM30-18 Rg |
|--------|---------|--------|--------|--------|------|------------|------------|
| 5 710K | 0.001   | 94     | 67     | 93     | 90   | 92         | 103        |

## CRI - CIE Colour Rendering Index

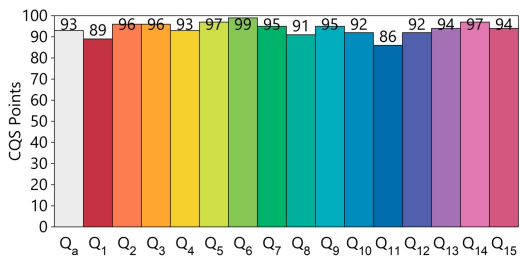


## TLCI - Television Lighting Consistency Index

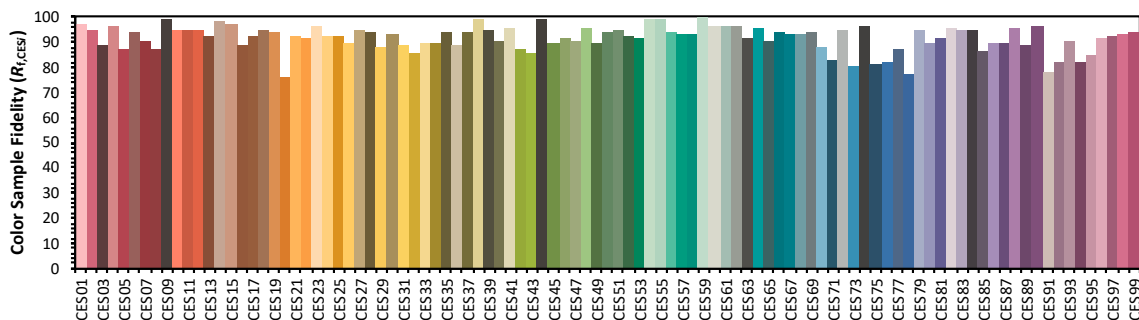
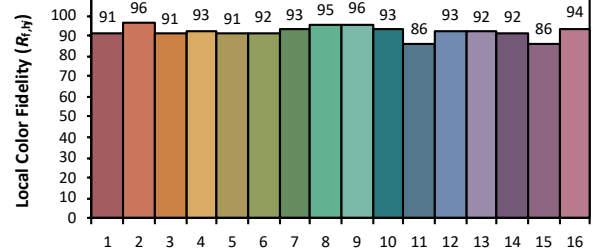
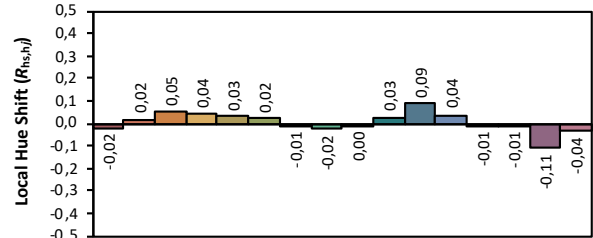
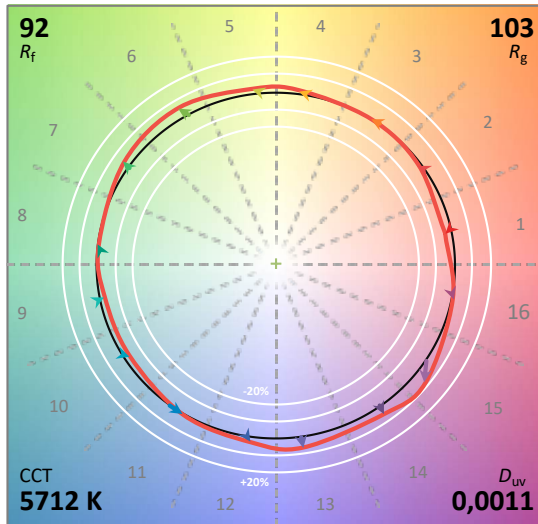
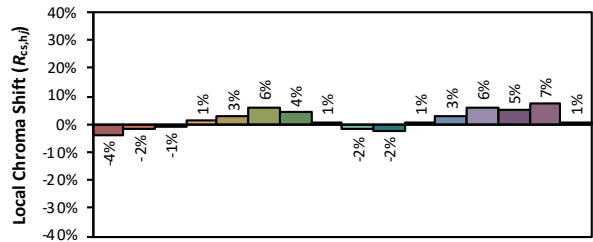
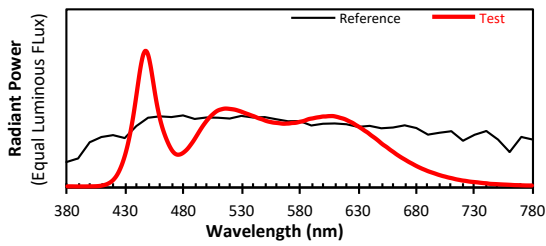
Test : CCT = D5711 (-0.4)  
 TLCI-2012 : 90 (D5711)



## CQS - NIST Colour Quality Scale



## 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