# ZEP2 - 360LF2 CW

## 360 - LED 300 W

- **Type:** Single lens luminaire
- **Source:** LED 300 W
- **Optics:** 200 mm Fresnel lens
- **Colour temperature:** Cool White

# Low running costs, high performance

Equipped with an enhanced white LED source providing a higher output with a significant efficiency, this 200 mm Fresnel lens presents an exceptional flat and variable beam angle with very wide opening, combined with an electronic flicker-free dimmable PSU to create a powerful yet economical LED washlight. Perfect for TV studio, theatre, event and architectural applications.

## Features

- **Theatre front cassette:** no light spill to distract audiences or performers
- **Accessories holder:** 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
- **Remote setup:** all parameters can be adjusted by RDM protocol
- **Adjustable response time:** choice of fast or slow dimming for tungsten-like simulation
- **DMX:** 8 or 16 bit dimming and strobe function
- **Local setup:** DMX address and mode, dimming curve and response time through 4-button display with automatic light switch-off
- **Control:** local, DMX, wireless DMX (option)
- **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

- **Unique 200 mm (8 in) lens:** no equivalent on the market in terms of light output and beam quality
- **Wide angle:** up to 90° from edge to edge
- **Beam shaping :** efficient barndoors in any focus position
- **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
- **Bodywork:** strong sheet metal construction for durability
- **Captive knobs and handles:** additional security when working at height or in transit
- **Safety first:** front accessories safety cable attachment point

Picture:360LF + CF1000

**ROBERT JULIAT**

## Source

- **Lamp type:** LED
- **Power:** 247 W

| LED specifications | Power [*] | Lumen output[*] | Colour temperature[*] | Life[*] | CRI[*] (min) |
|---|---|---|---|---|---|
| SUHD60 V3 CW (RJ / Osram) | 247 W | 25 725 lm | 5700K | 100 000 h | 92 |

*(*) manufacturer's data*

## Optics

### Characteristics

- **Type:** Single lens
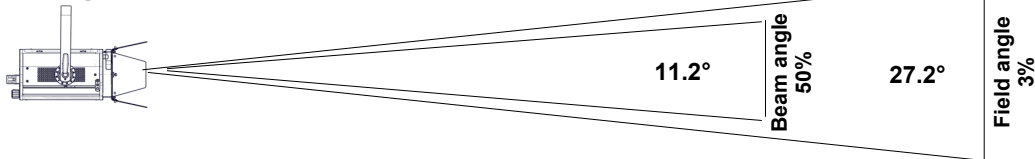- **Range:** 12° to 64° (Beam angle)
- **Lens:** 200 mm Fresnel lens

### Gel filter

- **Shape:** Square
- **Standard size:** 215x215 mm (8.5x8.5 in)

## Photometrics

optics: 12°-64° / Standard

### • Optics @ 12°



Beam angle 50%: 11.2° — Field angle 3%: 27.2°

**Beam intensity** 155 900 cd

| Distance | 3 m | 5 m | 7 m | 10 m | 12 m | 15 m |
|---|---|---|---|---|---|---|
| Diameter | 1.5 m | 2.4 m | 3.4 m | 4.8 m | 5.8 m | 7.3 m |
| Illumination | 17 500 lux | 6 300 lux | 3 200 lux | 1 600 lux | 1 100 lux | 700 lux |
| Distance | 10 ft | 15 ft | 25 ft | 35 ft | 40 ft | 50 ft |
| Diameter | 4.8 ft | 7.3 ft | 12.1 ft | 16.9 ft | 19.4 ft | 24.2 ft |
| Illumination | 1 600 fc | 700 fc | 250 fc | 130 fc | 100 fc | 65 fc |

**CCT** 5 910 K

**CRI** 93

### • Optics @ 64°



Beam angle 50%: 62.3° — Field angle 3%: 89.4°

**Beam intensity** 13 300 cd
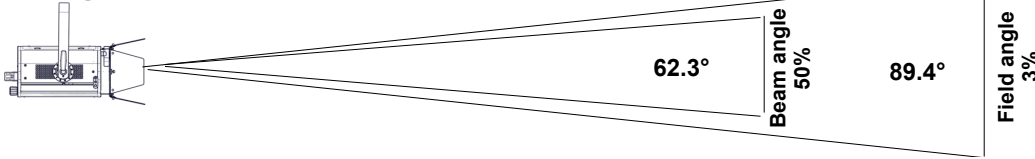
| Distance | 3 m | 5 m | 7 m | 10 m | 12 m | 15 m |
|---|---|---|---|---|---|---|
| Diameter | 5.9 m | 9.9 m | 13.9 m | 19.8 m | 23.7 m | 29.7 m |
| Illumination | 1 500 lux | 540 lux | 280 lux | 140 lux | 95 lux | 60 lux |
| Distance | 10 ft | 15 ft | 25 ft | 35 ft | 40 ft | 50 ft |
| Diameter | 19.8 ft | 29.7 ft | 49.5 ft | 69.3 ft | 79.2 ft | 99 ft |
| Illumination | 140 fc | 60 fc | 22 fc | 11 fc | 9 fc | 6 fc |

**CCT** 5 850 K

## Remote control

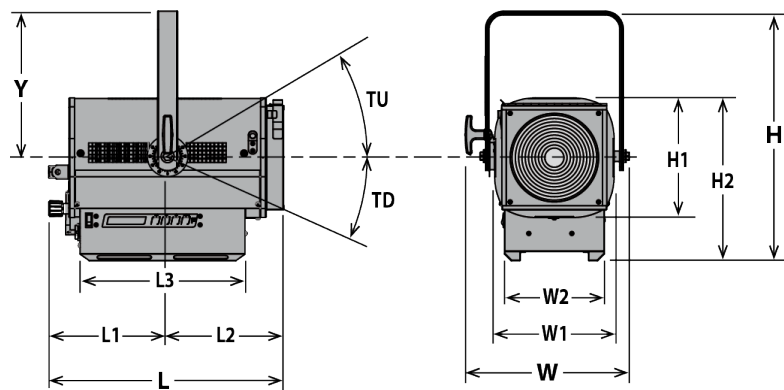- **Data protocol:** USITT DMX512-A RDM
- **Data IN connector:** 5 pins XLR male
- **Data OUT connector** 5 pins XLR female

- **DMX chart:**

| Mode 1 (1 channels) | Mode 2 (4 channels) | Mode 3 (5 channels) |
|---|---|---|
| Dimmer | Dimmer | Dimmer |
| | Dimmer fine | Dimmer fine |
| | - | - |
| | Strobe | Strobe |
| | | Dimmer master |

## Dimensions and weight



**Weight:**  15.2 kg (33.4 lbs)

| Height | Length | Width | Yoke | Tilt |
|---|---|---|---|---|
| H= 520 mm (20.5 in) | L= 494 mm (19.4 in) | W= 344 mm (13.5 in) | Y= 303 mm (11.9 in) | TU= 90° |
| H1= 250 mm (9.8 in) | L1= 250 mm (9.8 in) | W1= 250 mm (9.8 in) | | TD= 90° |
| H2= 342 mm (13.5 in) | L2= 244 mm (9.6 in) | W2= 210 mm (8.3 in) | | |
| | L3= 346 mm (13.6 in) | | | |

## Shipping

- **Weight :**  18.2 kg (40 lbs)

- **Volume :**  .09 m³ (3.18 ft³)

## Installation

- **Minimum distance to illuminated surface:**  0.2 m   ( 0.5 ft )
- **Operating position:**
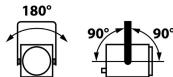


## Construction

- **Housing:** Steel sheet - Aluminium
- **Colour:** Black
- **Cooling:** Low noise variable fan
- **Maximum ambient temperature (Ta):** 40°C (104°F)
- **Maximum case temperature (Tc):** 70°C (158°F)
- **Total heat dissipation:** 976 BTU/h
- **Ingress Protection (IP) rating**: IP20

## Warranty

- **Fixture: 3 years - Source: 5 years**
*See General Sales Condition on website*

## Acoustics

- **Noise level: < 24,9 dB(A)**

## Approvals



## 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 | 1.3 A | 286 W | 0.97 |
| 120 V | 60 Hz | 2.5 A | 291 W | 0.99 |
| 100 V | 60 Hz | 3 A | 295 W | 0.99 |

## Power Supply Unit

- **PSU:** Internal - Electronic PSU  - Flicker free with PFC
- **Control:**  Local / DMX
- **Protection:** Mains: 4A 1P1D breaker - UL /
- **Power thru:** compatible powerCON® TRUE1 - Maximum of 10 units (230 V) / 5 units (120 V)
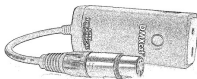
## Model

| **360LF2 CW** | LED 300 W Single lens luminaire  - 200mm Fresnel  - 360LF2 CW ZEP2 - Cool White |
|---|---|

## Options

| **PCP1716A** | 16A blue 2P+E 6h IEC60309 power connector | |
|---|---|---|
| **PO/Z** | Pole operation yoke (PAN/TILT/Focus) | |

## Accessories

| **PF1000M2** | 215x215mm metal filter holder<br>**1 included** | |
|---|---|---|
| **CF1000** | 4 rotating leaves on a rotating barndoor - 215x215mm ( without safety cable) - Weight: 1.03 Kg | |
| **DMXcat** | Bluetooth DMX/RDM Multifunction test tool - City Theatrical DMXcat® | |
| **876** | Hook clamp 40x10mm with 28mm M10 screw for Ø35 to 50mm pipes - SWL: 50Kg  - Weight: 1.25 Kg | |
| **880** | Hook clamp 40x10mm with 28mm M10 screw for Ø50 to 63mm pipes - SWL: 50Kg  - Weight: 1.36 Kg | |
| **CS2** | Safety cable Ø3 mm L= 600mm - SWL: 75 Kg | |
| **CS5** | Safety cable Ø1,5 mm L=300mm for front accessory with karabiner and quick link - SWL: 25 Kg | |