

# Alice - 1469TC

COMPACT - LED 600 W



- **Type:** Followspot
- **Source:** LED 600 W
- **Optics:** 13° to 24° zoom
- **Colour temperature:** Cool White
- **Version:** Top control - PTO

Followspot

## Too bright to ignore !

Alice is proof that Robert Juliat continues to lead the way in followspot design ! The new dynamic short-throw model features an exclusive 600W cool white LED source and is the first professional LED followspot able to deliver a high output comparable with that of 1200W discharge followspots. With its compact dimension, silent operation, smooth electronic dimming, top controls (iris/dimming) and the benefits of no lamp change and powerful output, Alice is the ideal truss spot for larger venues and full size theaters.

### Features

- **Fully closing iris:** control from the top of the unit; protective backplates for extended lifespan
- **Universal adjustable gobo holder:** "A" size glass and metal gobos
- **Local control:** light intensity adjustment through built-in potentiometer
- **Dimmer control lever on top:** one-handed dim and iris - PTO (Push To Open) model
- **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
- **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
- **Remote setup:** all parameters can be adjusted by RDM protocol
- **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 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 (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

- **Long life:** outstanding operational lifetime expectation, no need to replace lamps, low maintenance
- **High output:** comparable to 1200W discharge followspots
- **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 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
- **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

Picture: 1469TC

DSEN360\_1469TC - 23/03/2022

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

- Lamp type: LED
- Power: 600 W

LED specifications	Power *	Lumen output*	Colour temperature*	Life*	CRI* (min)
LED 600W	600 W	32 500 lm	6000K	20 000 h	91

Life data following L70B50 standard - (\*) manufacturer's data

## Optics

### Characteristics

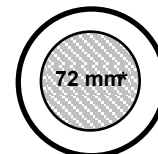
- Type: Zoom
- Beam range: 13° to 24°
- Focal length: 169 - 316 mm

### Gel filter

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

### Gobo

- Size: A
- Material: Metal  
Glass

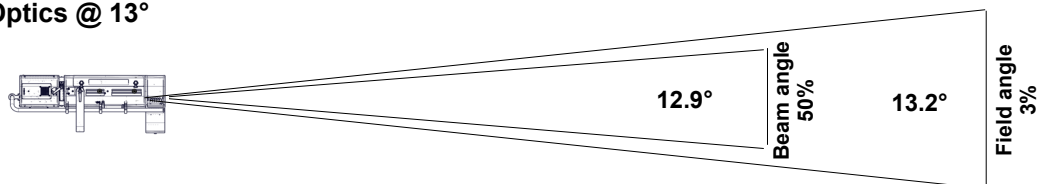


100 mm  
\*Maximum image size

## Photometrics

with LED 600W source

### • Optics @ 13°



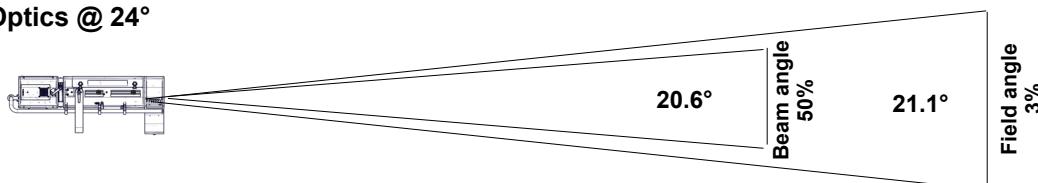
Beam intensity  
502 300 cd

Field lumens  
18 400 lm

Efficacy  
28 lm/W

Distance	15 m	20 m	25 m	30 m	35 m	40 m
Diameter	3.5 m	4.6 m	5.8 m	6.9 m	8.1 m	9.3 m
Illumination	2 250 lux	1 300 lux	810 lux	560 lux	420 lux	320 lux
Distance	50 ft	65 ft	80 ft	100 ft	115 ft	130 ft
Diameter	11.6 ft	15 ft	18.5 ft	23.1 ft	26.6 ft	30.1 ft
Illumination	210 fc	120 fc	80 fc	55 fc	38 fc	30 fc

### • Optics @ 24°



Beam intensity  
191 000 cd

Field lumens  
18 350 lm

Efficacy  
28 lm/W

Distance	15 m	20 m	25 m	30 m	35 m	40 m
Diameter	5.6 m	7.4 m	9.3 m	11.2 m	13 m	14.9 m
Illumination	850 lux	480 lux	310 lux	220 lux	160 lux	120 lux
Distance	50 ft	65 ft	80 ft	100 ft	115 ft	130 ft
Diameter	18.6 ft	24.2 ft	29.8 ft	37.2 ft	42.8 ft	48.4 ft
Illumination	80 fc	46 fc	30 fc	20 fc	15 fc	12 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

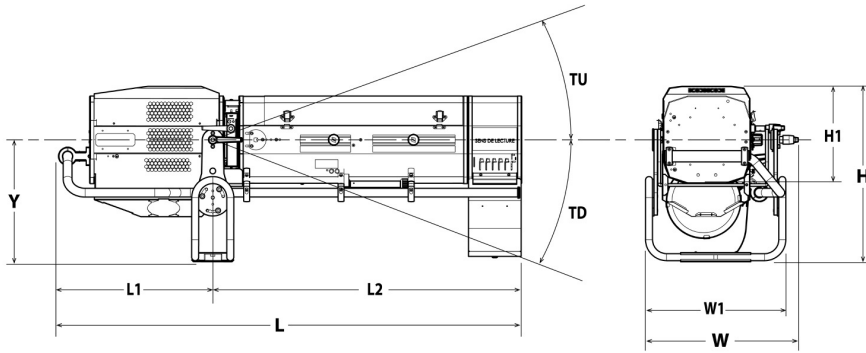
#### Mode 5 (6 channels)

Dimmer  
Master dimmer  
Strobe duration  
Strobe speed  
Response time  
Control mode

#### Mode 6 (8 channels)

Dimmer  
Dimmer fine  
Master dimmer  
Master dimmer fine  
Strobe duration  
Strobe speed  
Response time  
Control mode

## Dimensions and weight



**Weight:** 40 kg (88 lbs)

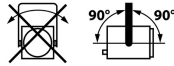
Height	Length	Width	Yoke	Tilt	Option
H= 480 mm (18.9 in)	L= 1033 mm (40.7 in)	W= 418 mm (16.5 in)	Y= 325 mm (12.8 in)	TU= 35°	TO= 65°
H1= 375 mm (14.8 in)	L1= 441 mm (17.4 in)	W1= 350 mm (13.8 in)		TD= 45°	
	L2= 592 mm (23.3 in)				

## Shipping

- **Weight :** 54 kg (118.8 lbs)
- **Volume :** .39 m<sup>3</sup> (13.62 ft<sup>3</sup>)

## Installation

- **Minimum distance to illuminated surface:** 1.0 m ( 3.3 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):** 65°C (149°F)
- **Total heat dissipation:** 2 184 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	2.8 A	640 W	0.99
120 V	60 Hz	5.5 A	649 W	0.99
100 V	60 Hz	6.7 A	655 W	0.99

## Power Supply Unit

- **PSU:** Internal - Electronic PSU - Flicker free with PFC
- **Control:** Local / DMX
- **Protection:** -
- **Power thru:** Neutrik powerCON TRUE1 TOP - Maximum of 5 units (230 V) / 2 units (120 V)

## Warranty

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

## Approvals








## Acoustics

- **Noise level:** < 38,2 dB(A)




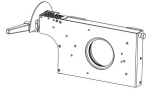






## Model










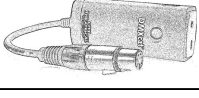


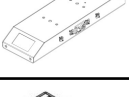

<b>1469TC</b>	LED 600 W Followspot - 1469TC Alice - Cool White - 13/24° - Top Control PTO
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## Options

<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>CAV700P2</b>	Double slot front cassette for 215x215mm accessories (instead of "push/pull" colour hanger)	
<b>CAG/CL</b>	Left side controls option for LED Compact range (Iris/Dimmer/Frost/Colour changer/Display)	
<b>FC1169</b>	Flight-case for Compact range (LED version) / GT stand / accessories - Dim: 1340x710x700mm - Weight: 55 Kg	

## Accessories

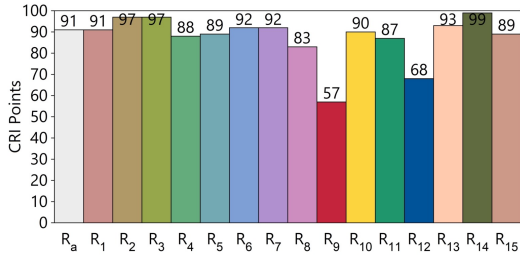
<b>PF1011</b>	Ø210 mm metal filter holder <b>6 included</b>	
<b>SGUP2</b>	Universal "A" size gobo-holder (metal, glass, frosted glass) <b>1 included</b>	
<b>VDM100</b>	Ø97mm frosted glass with holder <b>1 included</b>	
<b>CCU1SM</b>	Full closing iris cassette with position sensor for SpotMe system - Ø72mm	
<b>GT4000</b>	Tripod stand with safety chain - SWL: 130 Kg - max. height: 1030 mm - 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>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>DMXcat</b>	Bluetooth DMX/RDM Multifunction test tool - City Theatrical DMXcat®	
<b>Maestro</b>	Maestro server for SpotMe - rackable unit: 1U - half 19" - Poids: 1.2 Kg	
<b>P2FU</b>	Dual-function programmable remote controller - USB connector	
<b>SMS</b>	SpotMe server + 2 sensor cables + flight case	
<b>FC1169/S</b>	Flight-case for Compact range (LED version) / GT stand / accessories - Poids: 55 Kg	

# Light quality report

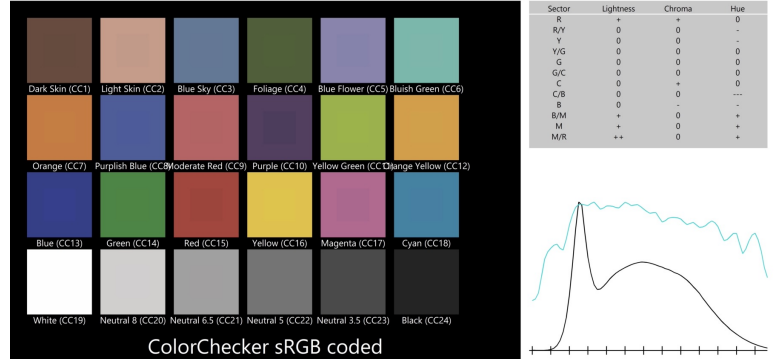
CCT	DeltaUV	CRI Ra	CRI R9	CQS Qa	TM30-18 Rf	TM30-18 Rg	TLCI
5 660K	0.0028	91	57	88	88	95	90

## CRI - CIE Colour Rendering Index

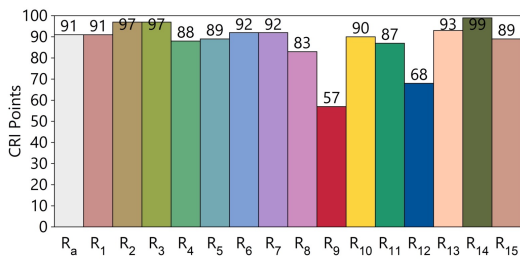


## TLCI - Television Lighting Consistency Index

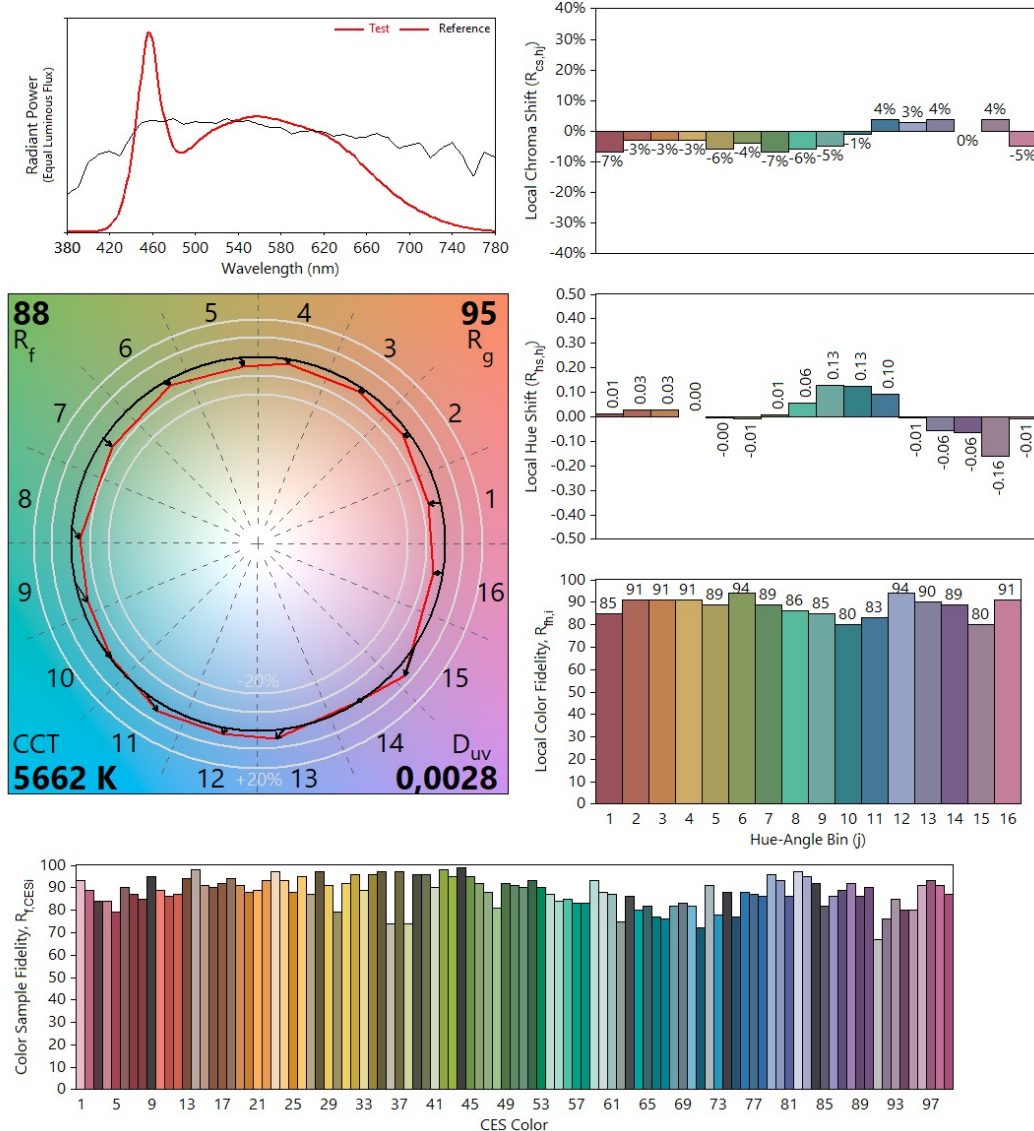
Test : CCT = D5662 (-0.1)  
 TLCI-2012 : 90 (D5662)



## 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