

# TIBO - 533VW

500 - LED 30 W - VARIABLE WHITE



- **Type:** Profile spot
- **Source:** LED 30 W - Variable White
- **Optics:** 30° to 45° zoom  
15° to 35° configuration possible
- **Colour temperature:** 2700K --> 5700K

Profile spot

## Brighter and Smaller

Compact and lightweight LED profile. Tibo combines all the features and functions of a standard Robert Juliat lantern profile with an LED lightsource, ensuring a low power consumption whilst maintaining projection quality. It features an outstanding unique optical design that allows two different zoom ranges (15°-35° and 30°-45°) in one single unit. TIBO fits aesthetically into any application, from architectural to event applications as well as traditional entertainment lighting. The variable white version offers a finely-tuned control of colour temperatures.

### Features

- **Shutter gate:** 4 shutters. Remove shutters for easy maintenance or tuck fully inside gate for secure transport
- **User-friendly shutter-lock system:** Secures shutters' setting in any circumstances
- **Universal gobo holder:** M-size plastic, glass and metal gobos
- **Continuous 360° rotation of the fixture:** Adjustment of the projected image is always possible
- **Parameters:** Adjustable curves and response thru 4-button display with automatic light switch-off
- **DMX:** 8 or 16 bits dimming, CCT and strobe function
- **Control:** local and DMX
- **Tilt reference on hanging yoke:** Index for rapid re-positioning

### Optical

- **Very long-life lamp source:** 50 000 hours - Lumen maintenance greater than 70% after 50 000 hours
- **Efficient fixture:** Up to 45 lm/W
- **Colour correction:** Possibility to adjust the colour temperature from 2700K to 5700K
- **Coated double condenser optical system:** For exceptional optical quality
- **Variable zoom optics:** Sharp focus at every beam angle. Independent control of image size and focus. Focus handles on both sides
- **Two different zoom ranges in one single unit:** 30/45° or 15/35° by adding/removing one lens - save on material costs and storage of separate lens tubes
- **Perfect dimming:** No clipping or cut-out below 20%; high quality smoothing
- **No colour shift:** Colour temperature remains the same when dimming

### Construction

- **Made in France :** Fully manufactured on the premises retaining complete control over all aspects of quality
- **Power connectors:** NeutriK® powerCON TRUE1 in and out connectors for daisy chaining
- **Separate electronic flicker-free PSU:** Can be separate or on yoke
- **Silent-running cooling fans:** Ideal for TV studios and opera houses
- **Bodywork:** Die cast aluminium housing
- **Captive knobs and handles:** Additional security when working at height or in transit
- **Spare parts and accessories:** Uniform across the tungsten, LED or HID TIBO range, reducing running costs
- **Easy access to lens tube without tool:** Easy cleaning of zoom lenses

Picture:533

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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.

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**ROBERT JULIAT**

## Source



- **Lamp type:** LED
- **Power:** 30 W

LED specifications	Power *	Lumen output*	Colour temperature*	Life*	CRI* (min)
Tibo 30W VW (Robert Juliat )	30 W	2 000 lm	2700K --> 5700K	50 000 h	92

(\*) manufacturers data

## Optics

### Characteristics

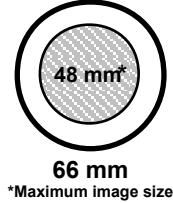
- **Type:** Zoom
- **Beam range:** 30° to 45°  
15° to 35° configuration possible
- **Focal length:** 68 - 105 mm

### Gel filter

- **Shape:** Square
- **Standard size:** 138x138 mm (5.4x5.4 in)

### Gobo

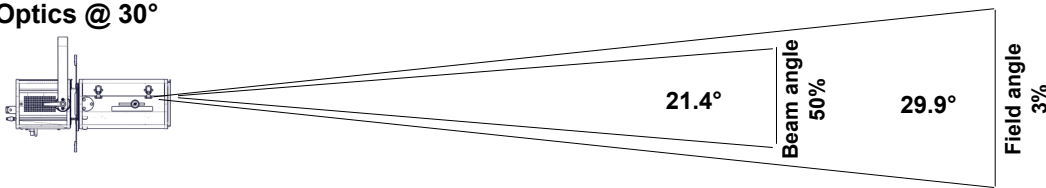
- **Size:** M
- **Material:** Metal  
Glass  
Plastic



## Photometrics

with Tibo 30W VW (Robert Juliat ) source

### • Optics @ 30°



**Beam intensity**  
10 800 cd

**Field lumens**  
1 310 lm

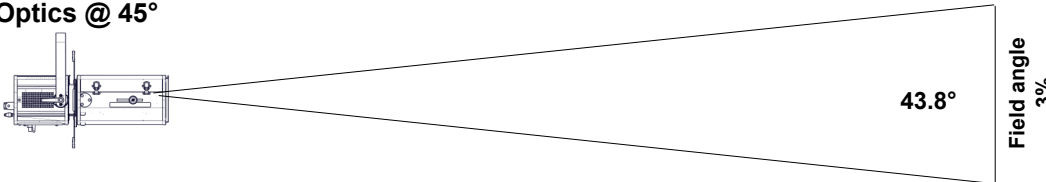
**Efficacy**  
39 lm/W

**CCT**  
4 050 K

**CRI**  
97

<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>	1 250 lux	440 lux	230 lux	110 lux	80 lux	49 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>	110 fc	49 fc	18 fc	9 fc	7 fc	5 fc

### • Optics @ 45°



**Beam intensity**  
6 050 cd

**CCT**  
4 040 K

<b>Distance</b>	3 m	5 m	7 m	10 m	12 m	15 m
<b>Diameter</b>	2.4 m	4 m	5.6 m	8 m	9.6 m	12.1 m
<b>Illumination</b>	680 lux	250 lux	130 lux	65 lux	43 lux	27 lux
<b>Distance</b>	10 ft	15 ft	25 ft	35 ft	40 ft	50 ft
<b>Diameter</b>	8 ft	12.1 ft	20.1 ft	28.1 ft	32.2 ft	40.2 ft
<b>Illumination</b>	65 fc	27 fc	10 fc	5 fc	4 fc	3 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)

Dimmer  
CCT

#### Mode 2 (3 channels)

Dimmer  
Strobe  
CCT

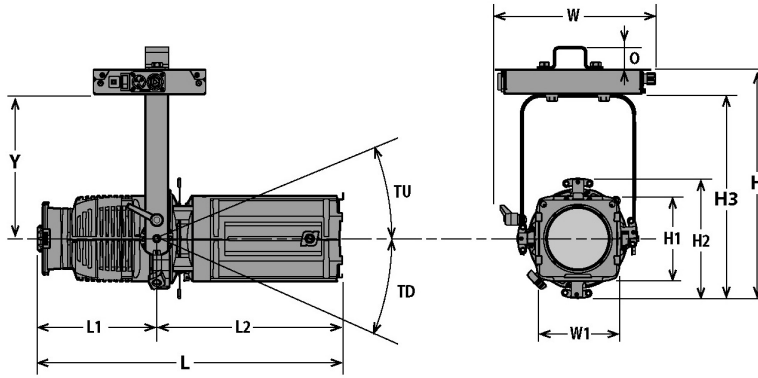
#### Mode 3 (3 channels)

Dimmer  
Dimmer fine  
CCT

#### Mode 4 (4 channels)

Dimmer  
Dimmer fine  
Strobe  
CCT

## Dimensions and weight



**Weight:** 10 kg (22 lbs)

*with PSU*

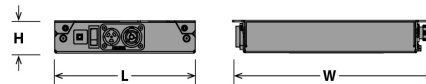
Height	Length	Width	Yoke	Tilt	Option
H= 407 mm (16 in)	L= 526 mm (20.7 in)	W= 289 mm (11.4 in)	Y= 245 mm (9.6 in)	TU= 55°	O= 30 mm (1,2 in)
H1= 150 mm (5.9 in)	L1= 200 mm (7.9 in)	W1= 150 mm (5.9 in)		TD= 90°	
H2= 226 mm (8.9 in)	L2= 326 mm (12.8 in)				
H3= 363 mm (14.3 in)					

## Shipping

• **Weight :** 12.2 kg (26.8 lbs)

• **Volume :** .04 m<sup>3</sup> (1.38 ft<sup>3</sup>)

## PSU



**Width:** W= 271 mm (10.7 in)

**Height:** H= 44 mm (1.7 in)

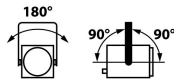
**Length:** L= 195 mm (7.7 in)

**Weight:** 2.4 Kg (5.3 lbs)

## Installation

• **Minimum distance to illuminated surface:** 0.7 m ( 2.3 ft )

• **Operating position:**



## Warranty

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

## Approvals



## Construction

- **Housing:** Die cast aluminium
- **Colour:** Black
- **Cooling:** Low noise variable fan
- **Maximum ambient temperature (Ta):** 40°C (104°F)
- **Maximum case temperature (Tc) :** 60°C (140°F)
- **Total heat dissipation:** 123 BTU/h
- **Protection rating:** 20

- **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) :** 50°C (122°F)

## Electrical compatibility

- 220/230 V - 50 Hz
- 220 V - 60 Hz
- 245 V - 50 Hz
- 100 V - 50 Hz
- 110/120 V - 60 Hz
- 100 V - 60 Hz
- 208 V - 60 Hz
- Selector: automatic detection

## Power input



- **Type:** removeable power cord with Neutrik 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	0.17 A	36 W	>0.84
120 V	60 Hz	0.3 A	36 W	
100 V	60 Hz	0.36 A	36 W	

## Power Supply Unit





- **PSU:** On yoke - Electronic PSU - Flicker free with PFC
- **Lighting unit / PSU cable:** Cable attached to unit - length: 1,5 m (4,9 ft)  
Type: 3M ref. 3696 with 12 pins M16 locking connector
- **Maximum distance between lighting unit and PSU:** 5 m (16 ft)
- **Control:** Local / DMX
- **Protection:** Mains: 4A 1P1D breaker - UL /
- **Power thru:** Neutrik powerCON TRUE1 - Maximum of 35 units (230 V) / 20 units (110 V)







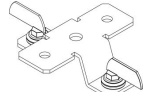
**Model**

<b>533VW</b>	LED 30 W - Variable White Profile spot - 533VW Tibo - 30/45°
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**Options**

<b>PCP1716A</b>	16A blue 2P+E 6h IEC60309 power connector	
<b>T-RAL9010</b>	White housing (RAL 9010)	

**Accessories**

<b>D4</b>	Shutter for Tibo series <b>4 included</b>	
<b>PF100M</b>	135x135mm metal filter holder <b>1 included</b>	
<b>IS500</b>	Drop-in iris (monoplane) with holder	
<b>EXT/TiboVW</b>	12 pins Tibo LED variable white extension cable - length = 3.m (138")	
<b>SGUT</b>	Universal "M" size gobo-holder (metal, glass, frosted glass)	
<b>872</b>	Doughty "Twenty clamp" with M10 screw/nut for Ø48 to 51mm pipes - SWL: 20Kg - TÜV approved - Weight: ,25 Kg	
<b>878</b>	Hook clamp 25x6mm with 23mm M10 screw for Ø35 to 50mm pipes - SWL: 11Kg - Weight: ,46 Kg	
<b>OmegaT2</b>	Omega bracket with quarter turn bolt sets for PSU - Weight: ,42 Kg	
<b>CS2</b>	Safety cable Ø3 mm L= 600mm - SWL: 75 Kg	