

TIBO - 533WW

500 - LED 75 W



- **Type:** Profile spot
- **Source:** LED 75 W
- **Optics:** 30° to 45° zoom
15° to 35° configuration possible
- **Colour temperature:** Warm white

Profile spot

Brighter and Smaller

TIBO is a compact and lightweight LED profile. It 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.

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
- **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)
- **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
- **Coated double condenser optical system:** ensures optimal light transmission
- **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
- **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
- **Power connectors:** neutriK® powerCON TRUE1 TOP 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
- **Electronic thermal management system:** ensures maximum performance of the system without any risk of overheating
- **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:** 75 W

LED specifications	Power *	Lumen output*	Colour temperature*	Life*	CRI* (min)
Tibo 75W WW (Robert Juliat)	75 W	5 400 lm	3000K	50 000 h	83

(*) manufacturer's data

Optics

Characteristics

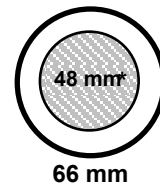
- **Type:** Zoom
- **Beam range:** 30° to 45°
15° to 35° configuration possible
- **Focal length:** 68 - 105 mm

Gel filter

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

Gobo

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

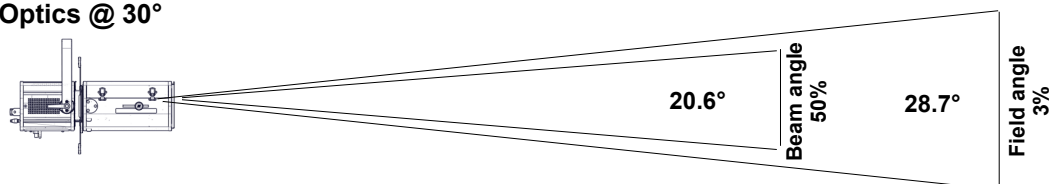


*Maximum image size

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

with Tibo 75W WW (Robert Juliat) source

• Optics @ 30°



Distance	3 m	5 m	7 m	10 m	12 m	15 m
Diameter	1.5 m	2.6 m	3.6 m	5.1 m	6.1 m	7.7 m
Illumination	3 350 lux	1 200 lux	610 lux	300 lux	210 lux	140 lux
Distance	10 ft	15 ft	25 ft	35 ft	40 ft	50 ft
Diameter	5.1 ft	7.7 ft	12.8 ft	17.9 ft	20.5 ft	25.6 ft
Illumination	300 fc	140 fc	48 fc	25 fc	19 fc	12 fc

Beam intensity
29 700 cd

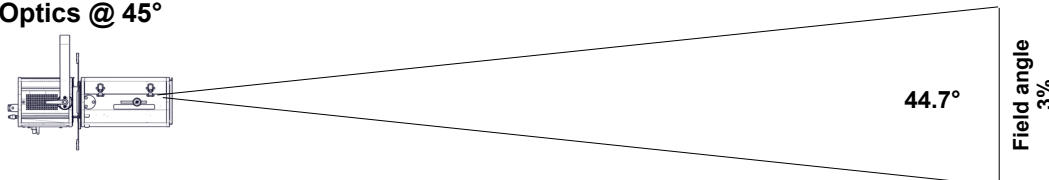
Field lumens
3 320 lm

Efficacy
44 lm/W

CCT
3 330 K

CRI
83

• Optics @ 45°



Distance	3 m	5 m	7 m	10 m	12 m	15 m
Diameter	2.5 m	4.1 m	5.8 m	8.2 m	9.9 m	12.3 m
Illumination	1 650 lux	590 lux	300 lux	150 lux	110 lux	65 lux
Distance	10 ft	15 ft	25 ft	35 ft	40 ft	50 ft
Diameter	8.2 ft	12.3 ft	20.6 ft	28.8 ft	32.9 ft	41.1 ft
Illumination	150 fc	65 fc	24 fc	12 fc	10 fc	6 fc

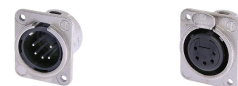
Beam intensity
14 600 cd

CCT
3 320 K

Remote control

- **Data protocol:** USITT DMX512-A
RDM

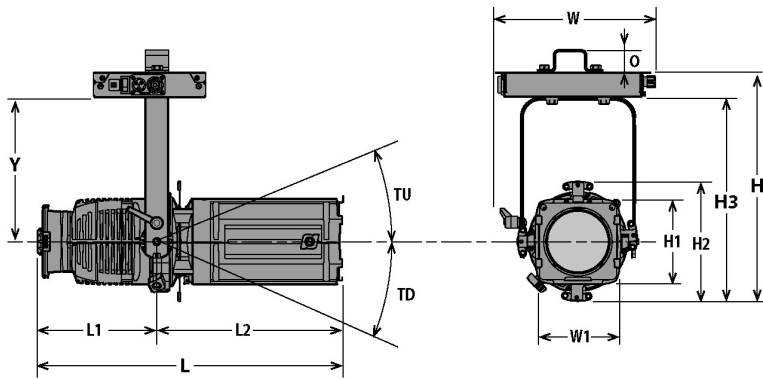
- **Data IN connector:** 5 pins XLR male
- **Data OUT connector:** 5 pins XLR female



• 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



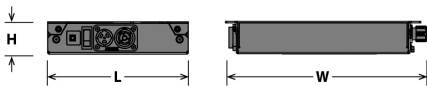
Weight: 9.8 kg (21.6 lbs)
with PSU

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

Shipping

- Weight : 12 kg (26.4 lbs)
- Volume : .05 m³ (1.77 ft³)

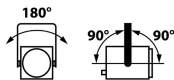
PSU



- Width: W= 271 mm (10.7 in)
- Height: H= 44 mm (1.7 in)
- Length: L= 195 mm (7.7 in)
- Weight: 2.2 Kg (4.8 lbs)

Installation

- Minimum distance to illuminated surface: 0.7 m (2.3 ft)
- Operating position:



Warranty

- Fixture: 3 years - Source: 5 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: 324 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
- 220/230 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: 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	0.42 A	95 W	98
120 V	60 Hz	0.8 A	95 W	98
100 V	60 Hz	0.95 A	95 W	94

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 TOP - Maximum of 35 units (230 V) / 20 units (120 V)

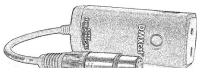
Model

533WW	LED 75 W Profile spot - 533WW Tibo - Warm White - 30/45°	
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Options

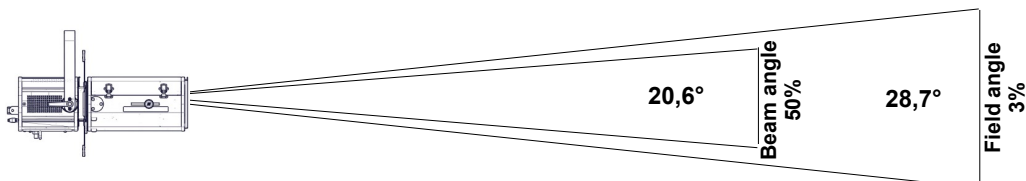
PCP1716A	16A blue 2P+E 6h IEC60309 power connector	
T-RAL9010	White housing (RAL 9010)	
W-DMX/T	W-DMX wireless DMX	

Accessories

D4	Shutter for Tibo series 4 included	
PF100M	135x135mm metal filter holder 1 included	
IS500	Drop-in iris (monoplane) with holder	
EXT/TiboFW	12 pins Tibo LED white extension cable - length = 3.5m (138")	
SGUT	Universal "M" size gobo-holder (metal, glass, frosted glass)	
DMXcat	Bluetooth DMX/RDM Multifunction test tool - City Theatrical DMXcat®	
872	Doughty "Twenty clamp" with M10 screw/nut for Ø48 to 51mm pipes - SWL: 20Kg - TÜV approved - Poids: 0.25 Kg	
878	Hook clamp 25x6mm with 23mm M10 screw for Ø35 to 50mm pipes - SWL: 11Kg - Poids: 0.46 Kg	
OmegaT2	Omega bracket with quarter turn bolt sets for PSU - Poids: 0.42 Kg	
CS2	Safety cable Ø3 mm L= 600mm - SWL: 75 Kg	

• Optics @ 30°

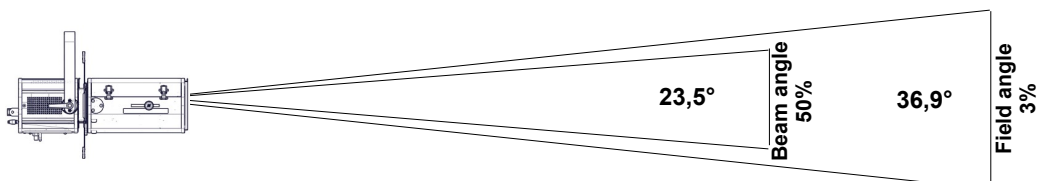
Field lumens	Beam lumens	Efficacy	Beam intensity	CCT	Delta uv
3 320 Lm		44 Lm/W	29 700 Cd	3 330 K	



Distance	3 m	5 m	7 m	10 m	12 m	15 m
Field diameter	1,5 m	2,6 m	3,6 m	5,1 m	6,1 m	7,7 m
Illumination	3 350 lux	1 200 lux	610 lux	300 lux	210 lux	140 lux
Distance	10 ft	15 ft	25 ft	35 ft	40 ft	50 ft
Field diameter	5,1 ft	7,7 ft	12,8 ft	17,9 ft	20,5 ft	25,6 ft
Illumination	300 fc	140 fc	48 fc	25 fc	19 fc	12 fc

• Optics @ 37°

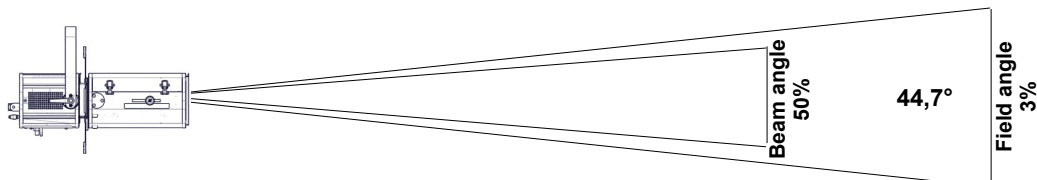
Field lumens	Beam lumens	Efficacy	Beam intensity	CCT	Delta uv
3 390 Lm		42 Lm/W	20 000 Cd	3 310 K	



Distance	3 m	5 m	7 m	10 m	12 m	15 m
Field diameter	2 m	3,3 m	4,7 m	6,7 m	8 m	10 m
Illumination	2 250 lux	810 lux	410 lux	210 lux	140 lux	90 lux
Distance	10 ft	15 ft	25 ft	35 ft	40 ft	50 ft
Field diameter	6,7 ft	10 ft	16,7 ft	23,4 ft	26,7 ft	33,4 ft
Illumination	210 fc	90 fc	33 fc	17 fc	13 fc	9 fc

• Optics @ 45°

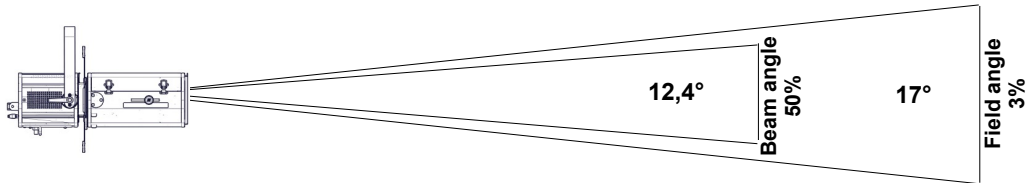
Field lumens	Beam lumens	Efficacy	Beam intensity	CCT	Delta uv
			14 600 Cd	3 320 K	



Distance	3 m	5 m	7 m	10 m	12 m	15 m
Field diameter	2,5 m	4,1 m	5,8 m	8,2 m	9,9 m	12,3 m
Illumination	1 650 lux	590 lux	300 lux	150 lux	110 lux	65 lux
Distance	10 ft	15 ft	25 ft	35 ft	40 ft	50 ft
Field diameter	8,2 ft	12,3 ft	20,6 ft	28,8 ft	32,9 ft	41,1 ft
Illumination	150 fc	65 fc	24 fc	12 fc	10 fc	6 fc

• Optics @ 15°

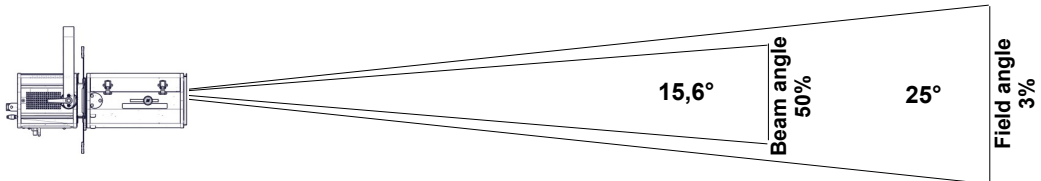
Field lumens	Beam lumens	Efficacy	Beam intensity	CCT	Delta uv
3 250 Lm		41 Lm/W	85 100 Cd	3 320 K	



Distance	3 m	5 m	7 m	10 m	12 m	15 m
Field diameter	0,9 m	1,5 m	2,1 m	3 m	3,6 m	4,5 m
Illumination	9 500 lux	3 450 lux	1 750 lux	860 lux	600 lux	380 lux
Distance	10 ft	15 ft	25 ft	35 ft	40 ft	50 ft
Field diameter	3 ft	4,5 ft	7,5 ft	10,5 ft	12 ft	14,9 ft
Illumination	860 fc	380 fc	140 fc	70 fc	55 fc	35 fc

• Optics @ 25°

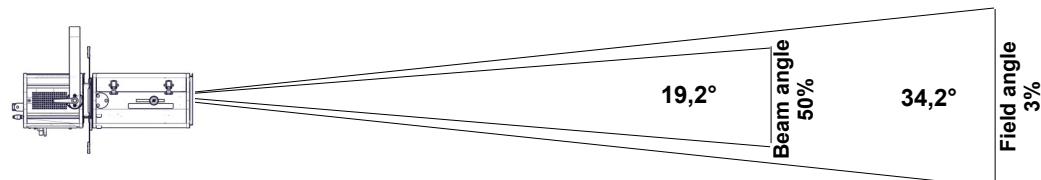
Field lumens	Beam lumens	Efficacy	Beam intensity	CCT	Delta uv
3 270 Lm		41 Lm/W	44 400 Cd	3 300 K	



Distance	3 m	5 m	7 m	10 m	12 m	15 m
Field diameter	1,3 m	2,2 m	3,1 m	4,4 m	5,3 m	6,7 m
Illumination	4 950 lux	1 800 lux	910 lux	450 lux	310 lux	200 lux
Distance	10 ft	15 ft	25 ft	35 ft	40 ft	50 ft
Field diameter	4,4 ft	6,7 ft	11,1 ft	15,5 ft	17,7 ft	22,2 ft
Illumination	450 fc	200 fc	75 fc	37 fc	28 fc	18 fc

• Optics @ 35°

Field lumens	Beam lumens	Efficacy	Beam intensity	CCT	Delta uv
3 370 Lm		42 Lm/W	26 800 Cd	3 300 K	



Distance	3 m	5 m	7 m	10 m	12 m	15 m
Field diameter	1,8 m	3,1 m	4,3 m	6,2 m	7,4 m	9,2 m
Illumination	3 000 lux	1 100 lux	550 lux	270 lux	190 lux	120 lux
Distance	10 ft	15 ft	25 ft	35 ft	40 ft	50 ft
Field diameter	6,2 ft	9,2 ft	15,4 ft	21,5 ft	24,6 ft	30,8 ft
Illumination	270 fc	120 fc	43 fc	22 fc	17 fc	11 fc