

TIBO - 533NW

500 - LED 75 W



- **Type:** Profile spot
- **Source:** LED 75 W
- **Optics:** 30° to 45° zoom
15° to 35° configuration possible
- **Colour temperature:** Neutral 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 NW (Robert Juliat)	75 W	5 800 lm	4000K	50 000 h	82

(*) manufacturer's data

Optics

Characteristics

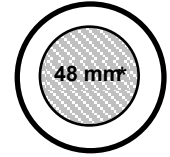
- Type: Zoom
- Beam range: 30° to 45°
15° to 35° configuration possible
- Focal length: 68 - 105 mm

Gel filter

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

Gobo

- Size: M
- Material: Metal
Glass
Plastic

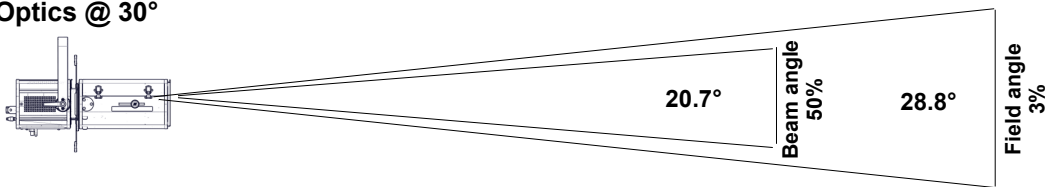


66 mm
*Maximum image size

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

with Tibo 75W NW (Robert Juliat) source

• Optics @ 30°



Beam intensity
30 900 cd

Field lumens
3 480 lm

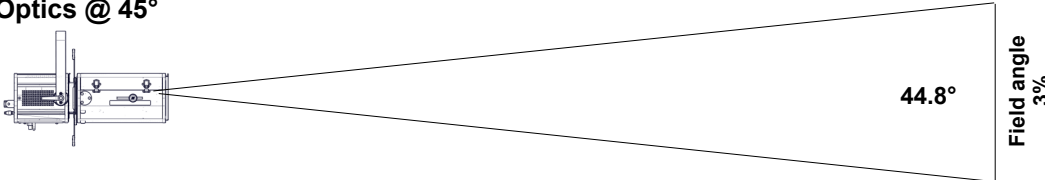
Efficacy
44 lm/W

CCT
4 400 K

CRI
87

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	6.2 m	7.7 m
Illumination	3 450 lux	1 250 lux	640 lux	310 lux	220 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	18 ft	20.5 ft	25.7 ft
Illumination	310 fc	140 fc	50 fc	26 fc	20 fc	13 fc

• Optics @ 45°



Beam intensity
14 600 cd

CCT
4 410 K

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	12.4 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	12.4 ft	20.6 ft	28.9 ft	33 ft	41.2 ft
Illumination	150 fc	65 fc	24 fc	12 fc	10 fc	6 fc

Remote control

- Data protocol: USITT DMX512-A
RDM

- Data IN connector: 5 pins XLR male
- Data OUT connector: 5 pins XLR femelle



• DMX chart:

Mode 1 (1 channels)

Dimmer

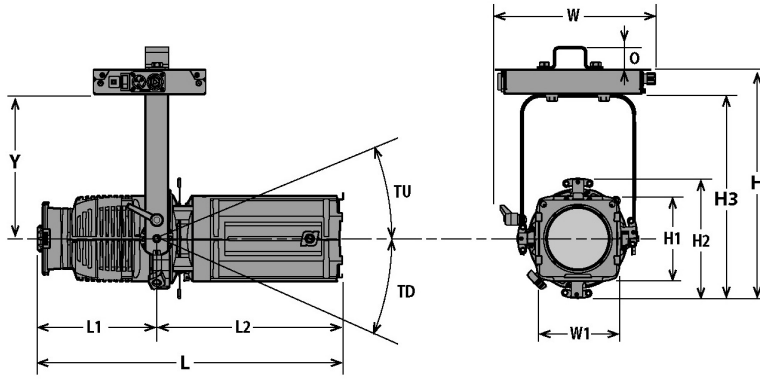
Mode 2 (4 channels)

Dimmer
Dimmer fine
-
Strobe

Mode 3 (5 channels)

Dimmer
Dimmer fine
-
Strobe
Dimmer master

Dimensions and weight



Weight: 9.8 kg (21.6 lbs)
with PSU

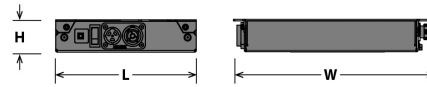
Height	Length	Width	Yoke	Tilt	Option
H= 407 mm (16 in)	L= 526 mm (20.7 in)	W= 289 mm (11.4 in)	Y= 245 mm (9.6 in)	TU= 55°	O= 30 mm (1,2 in)
H1= 150 mm (5.9 in)	L1= 200 mm (7.9 in)	W1= 150 mm (5.9 in)		TD= 90°	
H2= 226 mm (8.9 in)	L2= 326 mm (12.8 in)				
H3= 363 mm (14.3 in)					

Shipping

• **Weight :** 12 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)

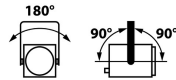
Length: L= 195 mm (7.7 in)

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
- 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	0.42 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)





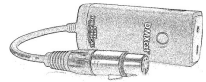


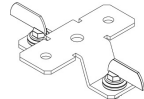

Model

533NW	LED 75 W Profile spot - 533NW Tibo - Neutral White - 30/45°
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Options

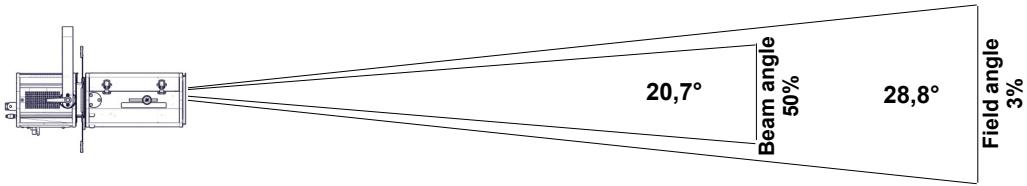
PCP1716A	16A blue 2P+E 6h IEC60309 power connector	
T-RAL9010	White housing (RAL 9010)	
W-DMX/T	W-DMX wireless DMX	

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°

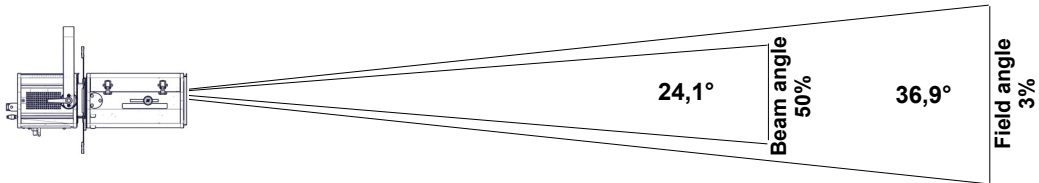
Field lumens	Beam lumens	Efficacy	Beam intensity	CCT	Delta uv
3 480 Lm		44 Lm/W	30 900 Cd	4 400 K	



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	6,2 m	7,7 m
Illumination	3 450 lux	1 250 lux	640 lux	310 lux	220 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	18 ft	20,5 ft	25,7 ft
Illumination	310 fc	140 fc	50 fc	26 fc	20 fc	13 fc

• Optics @ 37°

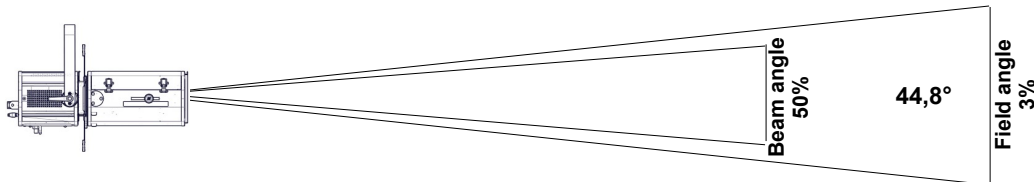
Field lumens	Beam lumens	Efficacy	Beam intensity	CCT	Delta uv
3 510 Lm		44 Lm/W	20 200 Cd	4 370 K	



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	420 lux	210 lux	150 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°

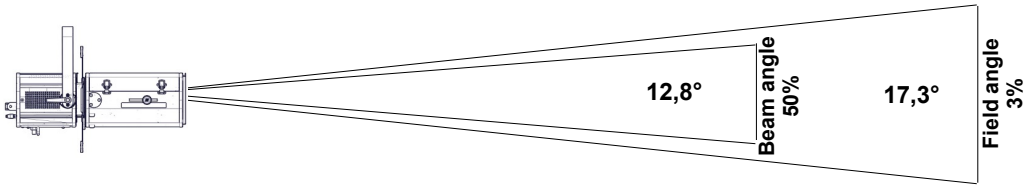
Field lumens	Beam lumens	Efficacy	Beam intensity	CCT	Delta uv
			14 600 Cd	4 410 K	



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	12,4 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	12,4 ft	20,6 ft	28,9 ft	33 ft	41,2 ft
Illumination	150 fc	65 fc	24 fc	12 fc	10 fc	6 fc

• Optics @ 15°

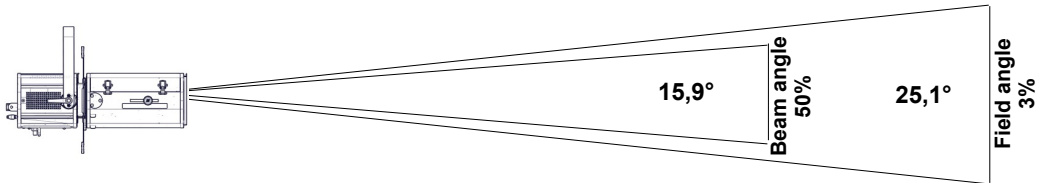
Field lumens	Beam lumens	Efficacy	Beam intensity	CCT	Delta uv
3 400 Lm		43 Lm/W	85 000 Cd	4 400 K	



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	3,7 m	4,6 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	4,6 ft	7,6 ft	10,6 ft	12,2 ft	15,2 ft
Illumination	860 fc	380 fc	140 fc	70 fc	55 fc	35 fc

• Optics @ 25°

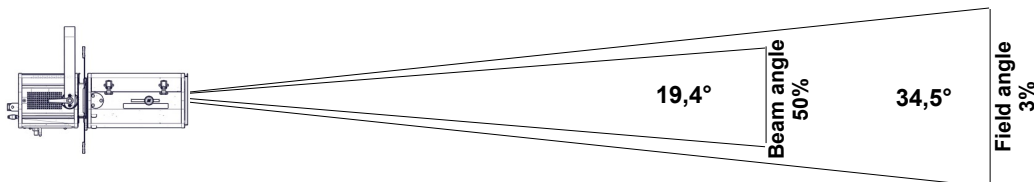
Field lumens	Beam lumens	Efficacy	Beam intensity	CCT	Delta uv
3 440 Lm		43 Lm/W	45 800 Cd	4 370 K	



Distance	3 m	5 m	7 m	10 m	12 m	15 m
Field diameter	1,3 m	2,2 m	3,1 m	4,5 m	5,3 m	6,7 m
Illumination	5 100 lux	1 850 lux	940 lux	460 lux	320 lux	210 lux
Distance	10 ft	15 ft	25 ft	35 ft	40 ft	50 ft
Field diameter	4,5 ft	6,7 ft	11,1 ft	15,6 ft	17,8 ft	22,3 ft
Illumination	460 fc	210 fc	75 fc	38 fc	29 fc	19 fc

• Optics @ 35°

Field lumens	Beam lumens	Efficacy	Beam intensity	CCT	Delta uv
3 510 Lm		44 Lm/W	27 300 Cd	4 360 K	



Distance	3 m	5 m	7 m	10 m	12 m	15 m
Field diameter	1,9 m	3,1 m	4,3 m	6,2 m	7,5 m	9,3 m
Illumination	3 050 lux	1 100 lux	560 lux	280 lux	190 lux	130 lux
Distance	10 ft	15 ft	25 ft	35 ft	40 ft	50 ft
Field diameter	6,2 ft	9,3 ft	15,5 ft	21,7 ft	24,8 ft	31,1 ft
Illumination	280 fc	130 fc	44 fc	23 fc	18 fc	11 fc