

TIBO - 533NW

500 - LED 75 W



- **Type:** Profile spot
- **Source:** LED 75 W
- **PSU:** Electronic - DMX
- **Optics:** 30° to 45° zoom
15° to 35° configuration possible
- **Colour temperature:** 4000 K

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
- **Dimming:** No clipping or cut-out below 20% - high quality smoothing
- **Control:** 8 or 16 bits dimming and strobe function
- **Parameters:** Adjustable curves and response thru 4-button display with automatic light switch-off
- **Tilt reference on hanging yoke:** Index for rapid re-positioning

Optical

- **Very long-life lamp source:** 50 000 hours - Lumen maintenance of greater than 70% after 50 000 hours
- **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

Construction

- **Made in France :** Fully manufactured on the premises retaining complete control over all aspects of quality
- **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 or LED TIBO range, reducing running costs
- **Easy access to lens tube:** 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

Admissible lamps



Lamp type: LED
Power: 75W

Reference	Power	Lumen output	Colour temperature	Lamp life	IRC
Tibo 75W NW (Robert Juliat)	75 W	5 800 lm	4 000 K	50 000 h	82

Optics

Characteristics

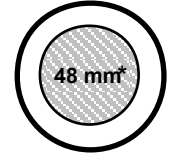
- **Type:** Zoom
- **Beam range:** 30° to 45°
15° to 35° configuration possible
- **Focal length:** 68 - 105 mm

Gel filter

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

Gobo

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



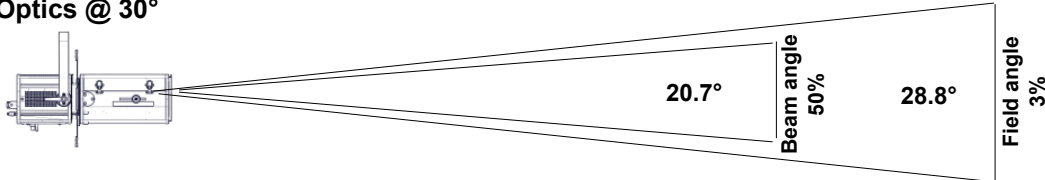
66 mm

*Maximum image size

Photometrics

with Tibo 75W NW (Robert Juliat) lamp

• Optics @ 30°



Beam intensity
30 900 cd

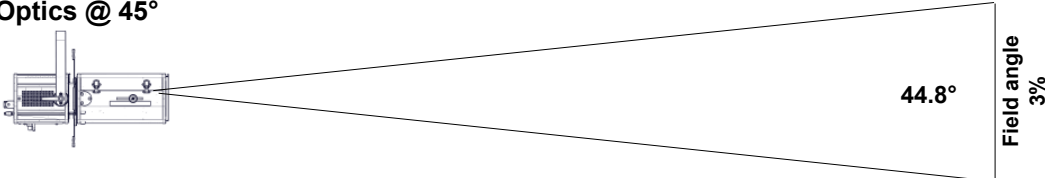
Field lumens
3 480 lm

Efficacy
44 lm/W

CCT
4 400 K

Distance	3 m	5 m	7 m	10 m	12 m	15 m
Field diameter	1.6 m	2.7 m	3.8 m	5.4 m	6.4 m	8 m
Illumination	3 450 lux	1 250 lux	640 lux	310 lux	220 lux	140 lux
Distance	1 ft	10 ft	20 ft	30 ft	30 ft	40 ft
Field diameter	0.5 ft	5.4 ft	10.7 ft	16.1 ft	16.1 ft	21.4 ft
Illumination	31 000 fc	310 fc	80 fc	35 fc	35 fc	20 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
Field diameter	2.5 m	4.1 m	5.8 m	8.3 m	9.9 m	12.4 m
Illumination	1 650 lux	590 lux	300 lux	150 lux	110 lux	65 lux
Distance	1 ft	10 ft	20 ft	30 ft	30 ft	40 ft
Field diameter	0.8 ft	8.3 ft	16.6 ft	24.9 ft	24.9 ft	33.1 ft
Illumination	15 000 fc	150 fc	37 fc	17 fc	17 fc	10 fc

Remote control

• **Data protocol:** USITT DMX512-A

• **Data IN connector:** 5 pins XLR male

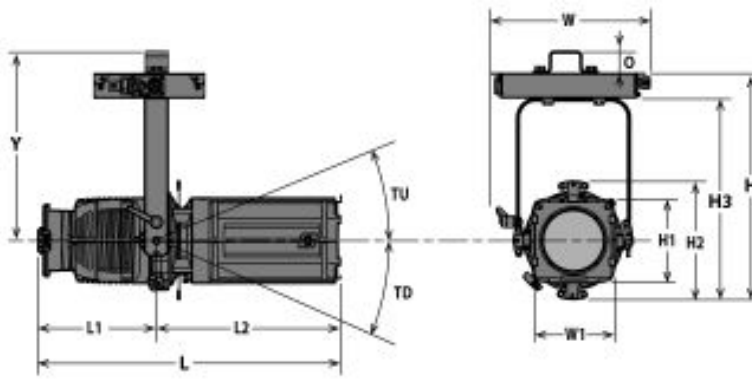
• **Data OUT connector:** 5 pins XLR female



• **DMX chart:**

	Mode 1	Mode 2	Mode 3	Mode 4
Channels	Dimmer	Dimmer Strobe	Dimmer Dimmer fine	Dimmer Dimmer fine Strobe

Dimensions, weight and volumes



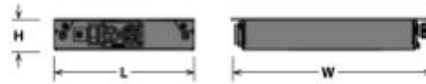
Weight: 10.4 kg (22.9 lbs)

Height	Length	Width	Yoke	Tilt	Option
H= 397 mm (15.6 in)	L= 526 mm (20.7 in)	W= 289 mm (11.4 in)	Y= 252 mm (9.9 in)	TU= 55°	O= 35 mm (1,4 in)
H1= 150 mm (5.9 in)	L1= 200 mm (7.9 in)	W1= 150 mm (5.9 in)		TD= 90°	
H2= 174 mm (6.9 in)	L2= 326 mm (12.8 in)				
H3= 339 mm (13.3 in)					

Shipping

• **Weight :** 12 kg (26.4 lbs)

• **Volume :** .04 m³ (1.38 ft³)



Width: W= 289 mm (11.4 in)

Height: H= 58 mm (2.3 in)

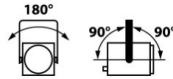
Length: L= 195 mm (7.7 in)

Weight: 2.3 Kg (5.1 lbs)

Installation

• **Minimum distance to illuminated surface:** 0.3 m (1.0 ft)

• **Operating position:**



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 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 cable



- **Cable:** H07RNF 3G1.5
- **Length:** 3 m (9,8 ft)
- **Connectors:**
In: CEE 7/7 (2P+E NF/Schuko)
Out: Neutrik powerCON TRUE1

Power consumption

Voltage	Frequency	Current	Power	Power factor
230 V	50 Hz	0.42 A	95 W	>0.98
120 V	60 Hz	0.8 A	95 W	>0.98
100 V	60 Hz	0.95 A	95 W	>0.94

Power Supply Unit






- **PSU:** On yoke - Electronic PSU - Flicker free with PFC
- **Lighting unit/PSU cable:** Not removable - length: 1 m (3,3 ft)
Type: 3M ref. 3696
- **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)



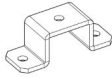


Model

533NW	LED 75 W Profile spot - 533NW Tibo - 4000K - 30/45°
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Options

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

Accessories

PF100M	135x135mm metal filter holder 1 included	
D4	Shutter (M size) 4 included	
OmegaT	PSU 1 included	
SGUT	Universal "M" size gobo-holder (metal, glass, frosted glass)	
872	Doughty Twenty clamp with M10 screw/nut for Ø48 to 51 mm pipes - SWL: 20Kg - TÜV approved	
878	Hook clamps 25x6 mm with 23 mm screw for Ø35 to 50 mm pipes (15Kg max)	
CS2	Safety cable Ø3 mm L= 600 mm(breaking point:75Kg)	