



- **Type:** Single lens luminaire
- **Source:** 1000/1200 W Tungsten
- **Optics:** 200 mm Fresnel lens

## Reliable and easy to maintain

A large 200 mm lens gives unparalleled light output and quality of beam. The 310H is at home in every venue, large and small, and offers broad coverage with a smooth, even beam. Designed for easy maintenance, this unit has a well-earned reputation for reliability.

### Features

- **Theatre front cassette:** no light spill to distract audiences or performers
- **Accessories holder:** double runners to hold accessories and colour filters
- **Barn door:** unique rotating barn door with 4 individually rotating blades – makes even the most difficult angle possible
- **Focus adjustment:** smooth focus adjustment from rear, even when lantern is hot, for a longer lamp life
- **Tilt reference on hanging yoke:** index for rapid re-positioning

### Optical

- **Multiposition socket:** accepts 1000 W and 1200 W lamps
- **Unique 200 mm (8 in) lens:** no equivalent on the market in terms of light output and beam quality

### Construction

- **Made in France :** fully manufactured in Robert Juliat premises retaining complete control over all aspects of quality
- **Air vents:** efficient cooling with no light spill
- **Bodywork:** strong sheet metal construction for durability
- **Moving parts:** smooth at all times, even when hot
- **Captive knobs and handles:** additional security when working at height or in transit
- **Access:** easy access to lamp house and lenses through front opening for fast and efficient maintenance
- **Easy access to all parts:** easy cleaning, re-lamping and maintenance
- **Safety grid:** earthed safety grid fitted as standard
- **Safety first:** front accessories safety cable attachment point

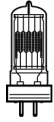
Picture:310H

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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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## Source



- **Lamp type:** Tungsten
- **Socket:** Gx9.5

Admissible lamps	Power *	Lumen output*	Colour temperature*	Life*
LIF: T19 (T11) - ANSI: FWP/FWR	1 000 W	21 000 lm	3050K	750 h
LIF: CP70 - ANSI: FVA/FVB	1 000 W	26 000 lm	3200K	200 h
LIF: T29 - ANSI: FWS/FWT	1 200 W	29 000 lm	3050K	400 h
LIF: CP90	1 200 W	30 000 lm	3200K	200 h

(\*) manufacturer's data

## Optics

### Characteristics

- **Type:** Single lens
- **Range:** 6° to 46° (Beam angle)
- **Lens:** 200 mm Fresnel lens

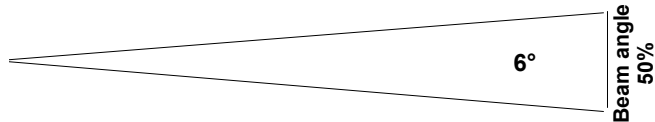
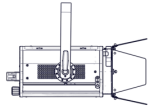
### Gel filter

- **Shape:** Square
- **Standard size:** 215x215 mm (8.5x8.5 in)

## Photometrics

optics: 6°-46° / Standard / LIF: CP90 1200W

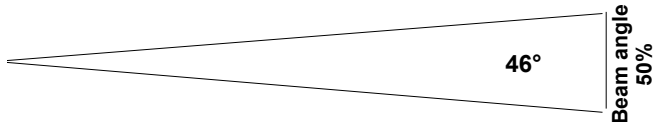
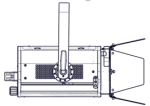
### • Optics @ 6°



**Beam intensity**  
220 000 cd

<b>Distance</b>	3 m	5 m	7 m	10 m	12 m	15 m
<b>Diameter</b>	0.3 m	0.5 m	0.7 m	1 m	1.3 m	1.6 m
<b>Illumination</b>	24 500 lux	8 900 lux	4 500 lux	2 250 lux	1 550 lux	980 lux
<b>Distance</b>	10 ft	15 ft	25 ft	35 ft	40 ft	50 ft
<b>Diameter</b>	1 ft	1.6 ft	2.6 ft	3.7 ft	4.2 ft	5.2 ft
<b>Illumination</b>	2 250 fc	980 fc	360 fc	180 fc	140 fc	90 fc

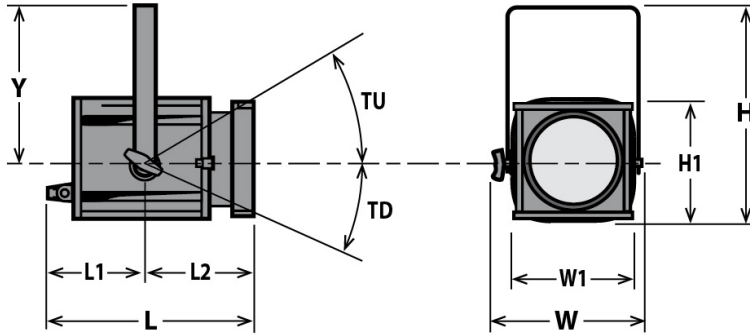
### • Optics @ 46°



**Beam intensity**  
25 000 cd

<b>Distance</b>	3 m	5 m	7 m	10 m	12 m	15 m
<b>Diameter</b>	2.5 m	4.2 m	5.9 m	8.5 m	10.2 m	12.7 m
<b>Illumination</b>	2 800 lux	1 010 lux	520 lux	260 lux	180 lux	120 lux
<b>Distance</b>	10 ft	15 ft	25 ft	35 ft	40 ft	50 ft
<b>Diameter</b>	8.5 ft	12.7 ft	21.2 ft	29.7 ft	34 ft	42.4 ft
<b>Illumination</b>	260 fc	120 fc	41 fc	21 fc	16 fc	11 fc

## Dimensions and weight



**Weight:** 7.7 kg (16.9 lbs)

Height	Length	Width	Yoke	Tilt
H= 440 mm (17.3 in) H1= 250 mm (9.8 in)	L= 465 mm (18.3 in) L1= 260 mm (10.2 in) L2= 205 mm (8.1 in)	W= 350 mm (13.8 in) W1= 250 mm (9.8 in)	Y= 315 mm (12.4 in)	TU= TBD° TD= 90°

## Shipping

- **Weight :** 9.2 kg (20.2 lbs)
- **Volume :** .06 m<sup>3</sup> (2.26 ft<sup>3</sup>)

## Installation

- **Minimum distance to illuminated surface:** 1.1 m ( 3.6 ft )
- **Operating position:**



## Warranty

- **Fixture: 2 years**  
See General Sales Condition on website

## Approvals



## Construction

- **Housing:** Steel sheet - Aluminium
- **Colour:** Black
- **Cooling:** Convection cooling
- **Maximum ambient temperature (Ta):** 40°C (104°F)
- **Maximum case temperature (Tc):** 200°C (392°F)
- **Total heat dissipation:** 3 413 BTU/h
- **Ingress Protection (IP) rating:** IP20

## Electrical compatibility

- 230/240 V - 50 Hz
- ~~115/120 V - 60 Hz~~

## Power input



- **Type:** attached power cord
- **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
230 V	50 Hz	5 A	1000 W
230 V	50 Hz	6 A	1200 W










## Model

<b>310HF</b>	1000/1200 W Tungsten Single lens luminaire - Gx9.5 socket - 200mm Fresnel - 310HF
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## Options

<b>PCP1716A</b>	16A blue 2P+E 6h IEC60309 power connector	
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## Accessories

<b>PF1000M2</b>	215x215mm metal filter holder <b>1 included</b>	
<b>G1000</b>	215x215mm safety grid <b>1 included</b>	
<b>CP70</b>	CP70 - Gx9.5 1000W 230V 200h 3200K lamp	
<b>T19 (T11)</b>	T19 (T11) - Gx9.5 1000W 230V 750h 3050K lamp	
<b>CP90</b>	CP90 - Gx9.5 1200W 230V 200h 3200K lamp	
<b>CF1000</b>	4 rotating leaves on a rotating barndoor - 215x215mm ( without safety cable) - Weight: 1.03 Kg	
<b>876</b>	Hook clamp 40x10mm with 28mm M10 screw for Ø35 to 50mm pipes - SWL: 50Kg - Weight: 1.25 Kg	
<b>880</b>	Hook clamp 40x10mm with 28mm M10 screw for Ø50 to 63mm pipes - SWL: 50Kg - Weight: 1.36 Kg	
<b>CS2</b>	Safety cable Ø3 mm L= 600mm - SWL: 75 Kg	
<b>CS5</b>	Safety cable Ø1,5 mm L=300mm for front accessory with karabiner and quick link - SWL: 25 Kg	