



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

- **Colour runners:** 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
- **Theatre front cassette:** No light spill to distract audiences or performers

Construction

- **Made in France :** Fully manufactured on the 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

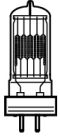
Picture:310H

DSEN007_310HPC - 05/02/2015

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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Admissible lamps



Lamp type: Tungsten
Socket: Gx9.5

Reference	Power	Lumen output	Colour temperature	Lamp 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

Optics

Characteristics

- **Type:** Single lens
- **Beam range:** 8° to 63°
- **Lens:** 200 mm Plano Convex lens

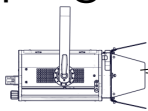
Gel filter

- **Shape:** Square
 - **Standard size:** 215x215 mm (8.5x8.5 in)
- Front extension cassette for 215x215mm accessories recommended for dark colours*

Photometrics

with LIF: CP90 source

• Optics @ 17°



17°

Field angle
3%

Beam intensity
58 000 cd

Distance	3 m	5 m	7 m	10 m	12 m	15 m
Diameter	0.9 m	1.5 m	2.1 m	3 m	3.6 m	4.5 m
Illumination	6 500 lux	2 350 lux	1 200 lux	590 lux	410 lux	260 lux
Distance	10 ft	15 ft	25 ft	35 ft	40 ft	50 ft
Diameter	3 ft	4.5 ft	7.5 ft	10.5 ft	12 ft	14.9 ft
Illumination	590 fc	260 fc	95 fc	48 fc	37 fc	24 fc

Dimensions, weight and volumes



Weight: 8.5 kg (18.7 lbs)

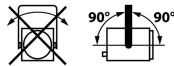
Height	Length	Width	Yoke	Tilt
H= 440 mm (17.3 in)	L= 465 mm (18.3 in)	W= 350 mm (13.8 in)	Y= 315 mm (12.4 in)	TU= TBD°
H1= 250 mm (9.8 in)	L1= 260 mm (10.2 in) L2= 205 mm (8.1 in)	W1= 250 mm (9.8 in)		TD= 90°

Shipping

- **Weight :** 10.5 kg (23.1 lbs)
- **Volume :** .08 m³ (2.82 ft³)

Installation

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



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
- **Protection rating:** 20

Electrical compatibility

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

Power cable



- **Cable:** H07RNF 3G1.5
- **Length:** 3 m (9,8 ft)
- **Connectors:**
In: CEE 7/7 (2P+E NF/Schuko)
Out: Not removeable


Power consumption

Voltage	Frequency	Current	Power
230 V	50 Hz	5 A	1000 W
230 V	50 Hz	6 A	1200 W

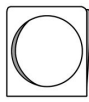
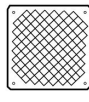






Model

310HPC	1000/1200 W Tungsten Single lens luminaire - Gx9.5 socket - 200mm Plano Convex - 310HPC
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Options

LT-Fresnel	Licht-Technik motorisation controlled by DMX: Pan, tilt, focus, barndoors, colour changer
PCP1716A	16A blue 2P+E 6h IEC60309 power connector 

Accessories

PF1000M2	215x215mm metal filter holder 1 included	
G1000	215x215mm safety grid 1 included	
CP70	CP70 - Gx9.5 1000W 230V 200h 3200K lamp	
T19 (T11)	T19 (T11) - Gx9.5 1000W 230V 750h 3050K lamp	
CP90	CP90 - Gx9.5 1200W 230V 200h 3200K lamp	
CF1000	4 rotating leaves on a rotating barndoor - 215x215mm (without safety cable) - Weight: 1,03 Kg	
876	Hook clamp 40x10mm with 28mm M10 screw for Ø35 to 50mm pipes - SWL: 50Kg - Weight: 1,25 Kg	
880	Hook clamp 40x10mm with 28mm M10 screw for Ø50 to 63mm pipes - SWL: 50Kg - Weight: 1,36 Kg	
CS2	Safety cable Ø3 mm L= 600mm - SWL: 75 Kg	