310 - 1000/1200 W Tungsten

• 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
• 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

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
Gel filter

- **Standard size:** Square 215x215 mm (8.5x8.5 in)
- **Type:** Single lens
- **Beam range:** 6° to 46°
- **Lens:** 200 mm Fresnel lens

**Optics Characteristics**

- **Type:** Single lens
- **Beam range:** 6° to 46°
- **Lens:** 200 mm Fresnel lens

**Photometrics**

- **Optics @ 6°**
- **Optics @ 46°**

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**Admissible lamps**

<table>
<thead>
<tr>
<th>Source</th>
<th>Power</th>
<th>Lumen output</th>
<th>Colour temperature</th>
<th>Life</th>
</tr>
</thead>
<tbody>
<tr>
<td>LIF: T19 (T11) - ANSI: FWP/FWR</td>
<td>1 000 W</td>
<td>21 000 lm</td>
<td>3050K</td>
<td>750 h</td>
</tr>
<tr>
<td>LIF: CP70 - ANSI: FVA/FVB</td>
<td>1 000 W</td>
<td>26 000 lm</td>
<td>3200K</td>
<td>200 h</td>
</tr>
<tr>
<td>LIF: T29 - ANSI: FWS/FWT</td>
<td>1 200 W</td>
<td>29 000 lm</td>
<td>3050K</td>
<td>400 h</td>
</tr>
<tr>
<td>LIF: CP90</td>
<td>1 200 W</td>
<td>30 000 lm</td>
<td>3200K</td>
<td>200 h</td>
</tr>
</tbody>
</table>

(*) manufacturer's data

**Lamp type:** Tungsten

**Socket:** Gx9.5

**Source**

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

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**Optics**

- **Type:** Single lens
- **Beam range:** 6° to 46°
- **Lens:** 200 mm Fresnel lens

**Gel filter**

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

**Beam intensity**

- **Optics @ 6°**
  - 220 000 cd
- **Optics @ 46°**
  - 25 000 cd
### Dimensions and weight

<table>
<thead>
<tr>
<th>Height</th>
<th>Length</th>
<th>Width</th>
<th>Yoke</th>
<th>Tilt</th>
</tr>
</thead>
<tbody>
<tr>
<td>H= 440 mm (17.3 in)</td>
<td>L= 465 mm (18.3 in)</td>
<td>W= 350 mm (13.8 in)</td>
<td>Y= 315 mm (12.4 in)</td>
<td>TU= TBD°</td>
</tr>
<tr>
<td>H1= 250 mm (9.8 in)</td>
<td>L1= 260 mm (10.2 in)</td>
<td>W1= 250 mm (9.8 in)</td>
<td></td>
<td>TD= 90°</td>
</tr>
</tbody>
</table>

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

### Shipping
- **Weight:** 9.2 kg (20.2 lbs)
- **Volume:** 0.06 m³ (2.26 ft³)

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

### 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 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

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Frequency</th>
<th>Current</th>
<th>Power</th>
</tr>
</thead>
<tbody>
<tr>
<td>230 V</td>
<td>50 Hz</td>
<td>5 A</td>
<td>1000 W</td>
</tr>
<tr>
<td>230 V</td>
<td>50 Hz</td>
<td>6 A</td>
<td>1200 W</td>
</tr>
</tbody>
</table>
## Model

| 310HF | 1000/1200 W Tungsten Single lens luminaire - Gx9.5 socket - 200mm Fresnel - 310HF |

## 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 |
| G1000 | 215x215mm safety grid |
| 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 |