

**JB LIGHTING**

# P12 640 W PROFILE

with framing module



**The bright all-rounder**  
with the full range of effects and  
innovative modular technology

**Zoom**  
5.7° - 60°  
(1:10.5)

**Output**  
25,000  
lumen

**only**  
29 dB(A)  
extremely  
quiet

**only**  
23 kg  
weight

**640 W**  
white light  
LED

**Made in**  
GERMANY

...JUST BRILLIANT





## **Fascination P12:** extremely bright, modular and incredibly effective!

The P12 Profile, with 640 Watt LED power, is incredibly bright, extremely light and compact with a weight of only 23 kg.

With its features, the P12 leaves nothing to be desired. Thanks to a zoom range of 5.7°–60° (1:10.5), its precise optics and enormous versatility, it meets all the requirements of modern lighting design. With its full range of effects including color wheel, two gobo wheels with 12 rotating gobos, CMY color mixing unit, linear CTO and two frost filters and prisms, it transforms any event into a light spectacle. The extremely quiet P12 Profile is at home in the brightness class of comparable moving lights with 1,200 watts and masters every task with flying colors – and that with a power consumption of just 800 watts.

**The P12 Profile is a versatile quick-change artist with features such as:**

- Zoom from 5.7°–60° (1:10.5)
- Framing module, +/- 55° rotateable
- 2 gobo wheels with 6 rotating gobos each
- Electronic shutter with pre-programmed pulse and ramp functions
- 2 prisms (3-section circular or 5-section linear)
- 2 stepless, variable frost filters (soft edge, flood frost)
- Infinitely adjustable high-speed iris
- Graphic display, rotated electronically
- Ultra-quiet 29 dB(A)
- Flicker-free operation, camera mode 100 | 120 | 600 Hz and 3 kHz
- 4 carrying handles for easy handling

**In addition, the P12 HP (High Power) has:**

- CMY color mixing unit and linear CTO
- 1 color wheel with 7 colors + High CRI filter

**In addition, the P12 HC (High CRI) has:**

- CMY color mixing unit and linear CTO
- 1 color wheel with 7 colors + CTB filter

**In addition, the P12 WW (Warm White) has:**

- CMY color mixing unit and linear CTB
- 1 color wheel with 7 colors + CTB filter

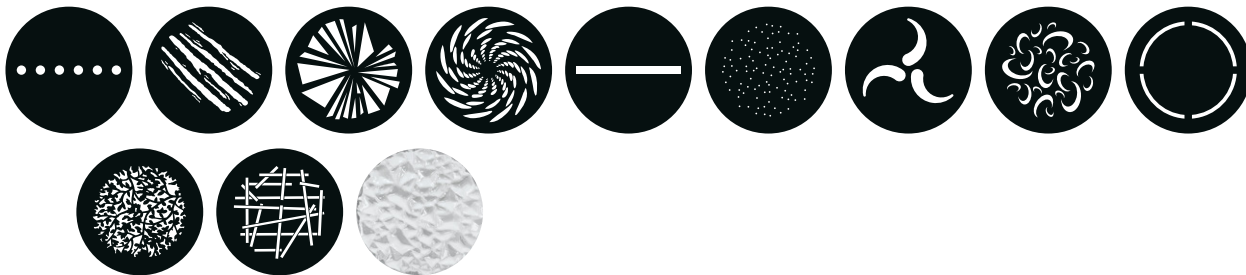


### **JB SLIDE-IN TECHNOLOGY**

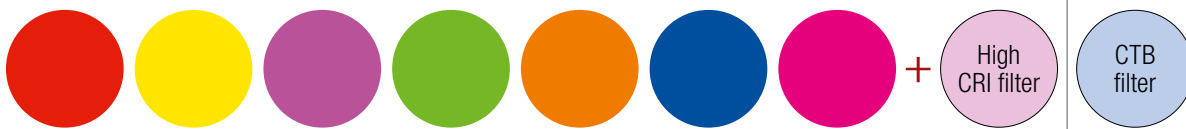
Cleaning and gobo changes can be done in no time at all with the P12 Profile. All plug-ins can be removed without tools or manual cable disconnection.

Find more information at:  
[www.jb-lighting.de](http://www.jb-lighting.de)

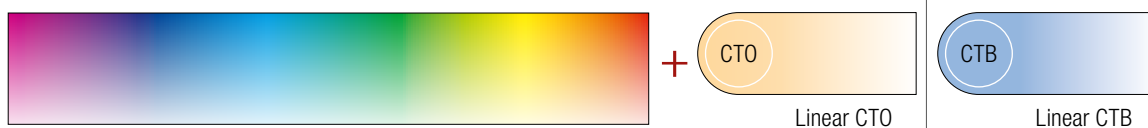
12  
rotating  
gobos



7  
brilliant  
colors



CMY  
+ variable  
CT filter



## P12 PROFILE SPECIFICATIONS

Overview of light colors and features



**P12** HP



**P12** HC

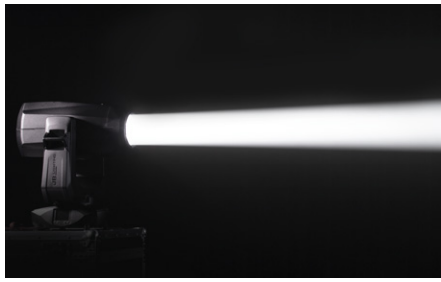


**P12** WW

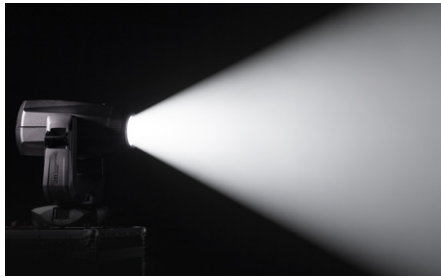
Specification:	HP – High Power	HC – High CRI	WW – Warm White
Color temperature:	6800 K	5800 K	3200 K
Luminosity:	46,000 lm (25,000 lm Output)	34,000 lm (19,000 lm Output)	27,000 lm (15,000 lm Output)
CRI:	≥70 (with CRI filter ≥85)	≥90	≥91
Correction filter:	linear CTO 6800 K to 3200 K	linear CTO 5800 K to 2700 K	linear CTB 3200 K to 5000 K
Usage:	<b>Maximum luminous intensity</b> for optimal illumination even from a great distance	<b>Maximum light quality</b> for optimal color reproduction with the best luminosity	<b>Maximum comparability</b> with conventional halogen lamps

## ZOOM RANGE: 5.7° – 60° (1:10.5)

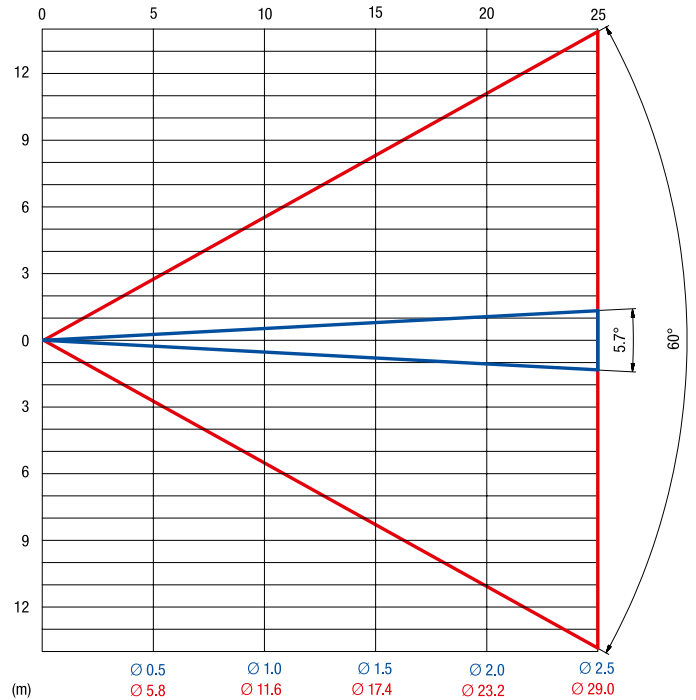
With the P12 Profile, very sharp and homogeneous beams of 5.7° to max. 60° can be realised, and these can be selectively blurred using a frost filter and/or focus, e.g. for wash applications.



Minimum zoom: 5.7°

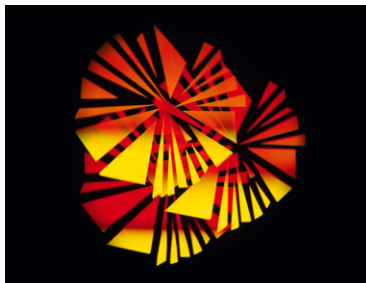


Maximum zoom: 60°

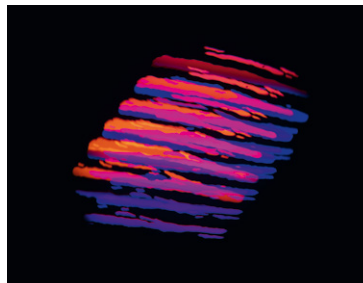


## PRISMS & FROST FILTERS

The gobos of the P12 Profile can be combined with two rotatable prisms, creating great effects. The P12 Profile also has two stepless frost filters and is ideally equipped for all applications.



3-facet prism (circular)



5-facet prism (linear)

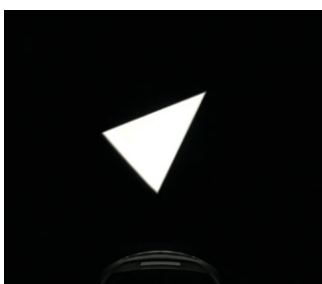


Soft edge

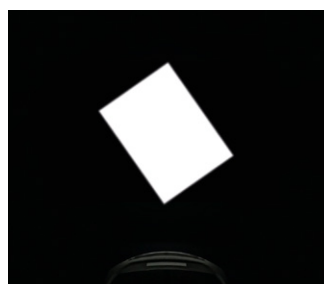
Flood frost

## P12 PROFILE SPECIAL FEATURE: FRAMING MODULE

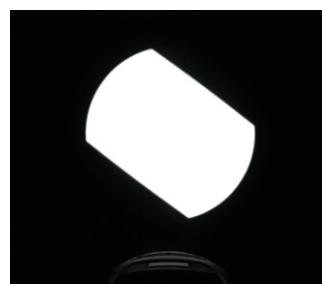
The P12 Profile is equipped with a framing module capable of rotating +/- 55°. Each blade can be independently adjusted in position and angle and shuts completely. This allows a variety of geometric shapes to be created very quickly for targeted shading, regardless of the shading angle. Of course, the aperture slider can also be combined with a frost filter if required.



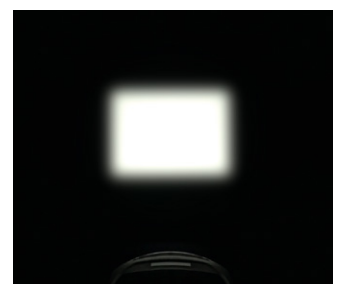
Individually controllable blades with variable angle and position



The framing module is rotatable by 110°



A „total curtain“ effect made separately by each of the 4 blades, also exact parallel position possible



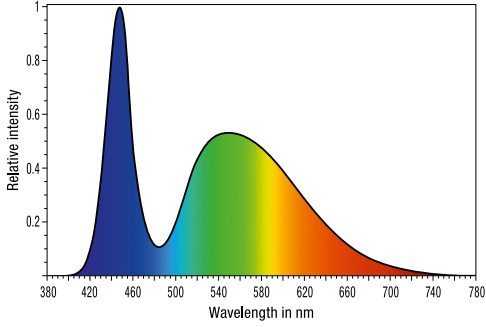
Frost filters create soft, perfectly homogeneous edges

PHOTOMETRIC DATA

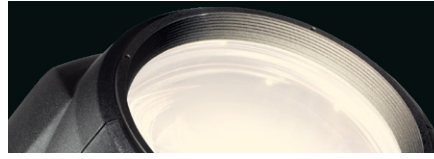
P12 



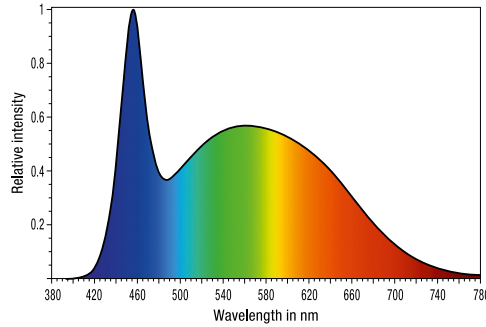
RELATIVE SPECTRAL DISTRIBUTION



P12 



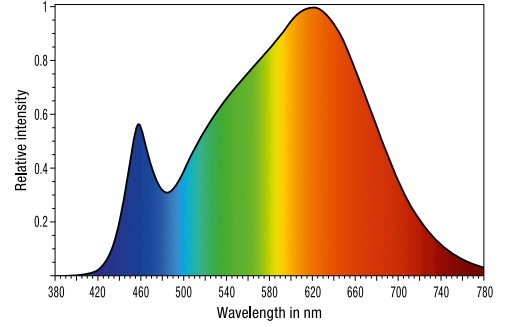
RELATIVE SPECTRAL DISTRIBUTION



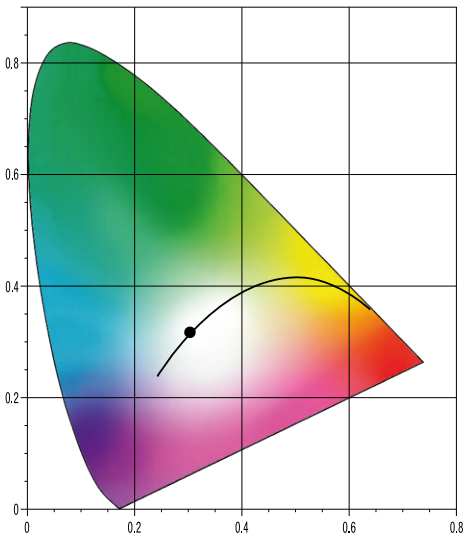
P12 



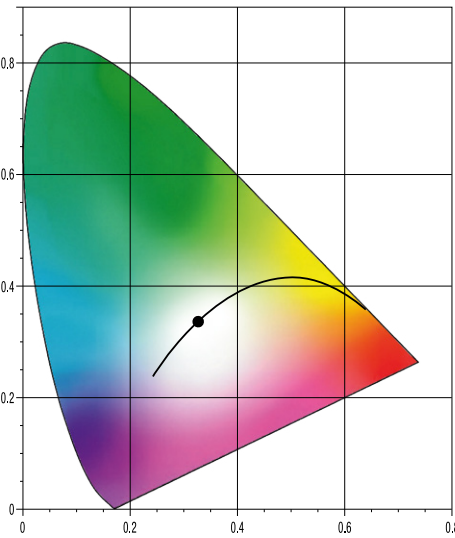
RELATIVE SPECTRAL DISTRIBUTION



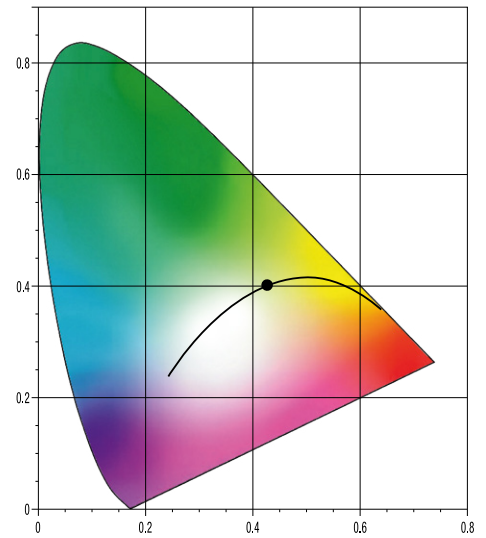
CHROMATICITY COORDINATES X,Y CIE 1931



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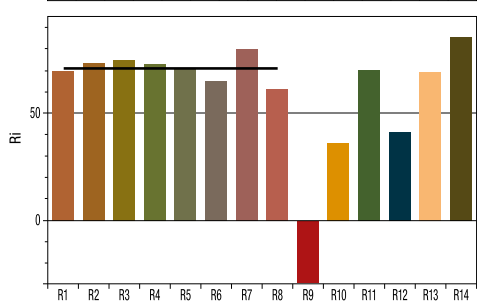


CHROMATICITY COORDINATES X,Y CIE 1931



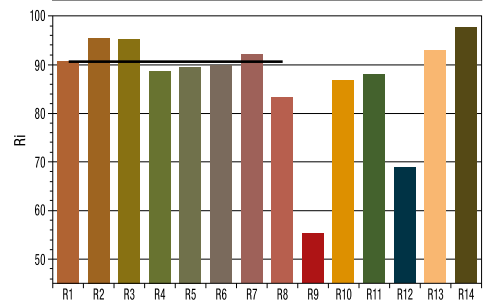
COLOR REPRODUCTION – CRI

R <sub>x</sub>	R <sub>1</sub>	R <sub>2</sub>	R <sub>3</sub>	R <sub>4</sub>	R <sub>5</sub>	R <sub>6</sub>	R <sub>7</sub>	R <sub>8</sub>	R <sub>9</sub>	R <sub>10</sub>	R <sub>11</sub>	R <sub>12</sub>	R <sub>13</sub>	R <sub>14</sub>
71.0	69.4	73.7	74.8	72.8	70.9	64.7	79.9	61.4	-29.3	35.9	70.4	41.0	69.4	85.7



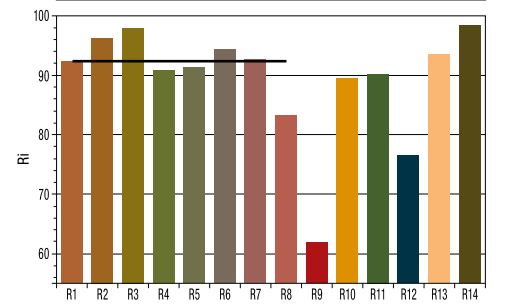
COLOR REPRODUCTION – CRI

R <sub>x</sub>	R <sub>1</sub>	R <sub>2</sub>	R <sub>3</sub>	R <sub>4</sub>	R <sub>5</sub>	R <sub>6</sub>	R <sub>7</sub>	R <sub>8</sub>	R <sub>9</sub>	R <sub>10</sub>	R <sub>11</sub>	R <sub>12</sub>	R <sub>13</sub>	R <sub>14</sub>
90.6	90.8	95.4	95.3	88.7	89.6	89.9	92.1	83.2	55.3	86.7	88.0	68.7	92.8	97.7



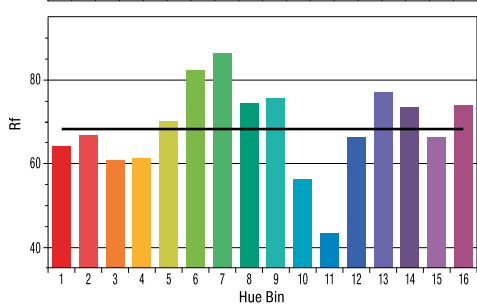
COLOR REPRODUCTION – CRI

R <sub>x</sub>	R <sub>1</sub>	R <sub>2</sub>	R <sub>3</sub>	R <sub>4</sub>	R <sub>5</sub>	R <sub>6</sub>	R <sub>7</sub>	R <sub>8</sub>	R <sub>9</sub>	R <sub>10</sub>	R <sub>11</sub>	R <sub>12</sub>	R <sub>13</sub>	R <sub>14</sub>
92.4	92.3	96.3	98.0	90.8	91.3	94.3	92.7	83.2	61.9	89.4	90.2	76.4	93.4	98.3



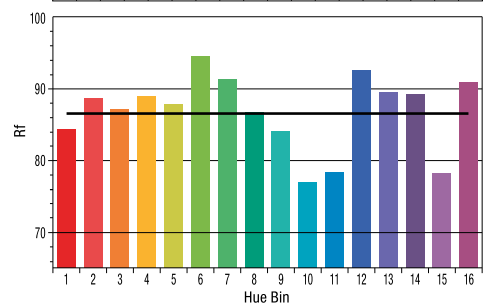
COLOR REPRODUCTION – TM-30-15

R <sub>f</sub>	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	R <sub>g</sub>
68.2	64.2	66.8	61.0	61.2	70.1	82.4	86.5	74.6	75.7	56.3	43.4	66.4	77.0	73.5	66.5	74.1	94.7



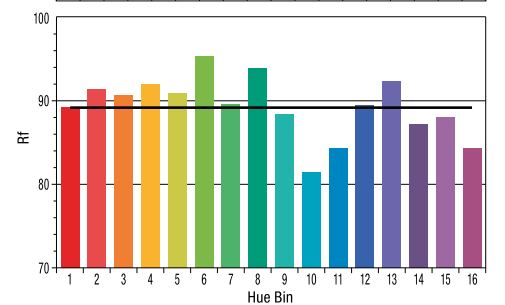
COLOR REPRODUCTION – TM-30-15

R <sub>f</sub>	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	R <sub>g</sub>
86.5	84.3	88.8	87.1	88.9	87.8	94.5	91.3	86.8	84.1	77.1	78.4	92.5	89.6	89.2	78.2	90.8	97.3



COLOR REPRODUCTION – TM-30-15

R <sub>f</sub>	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	R <sub>g</sub>
89.2	89.2	91.3	90.6	91.9	91.0	95.3	89.6	93.9	88.3	81.4	84.2	89.4	92.3	87.2	88.0	84.3	97.8





## Technical specifications:

### Optics and light source

- 640 W white light LED module
- HP (High Power): 6800 K; 46,000 lm (25,000 lm Output); CRI  $\geq$ 70
- HC (High CRI): 5800 K; 34,000 lm (19,000 lm Output); CRI  $\geq$ 90
- WW (Warm White): 3200 K; 27,000 lm (15,000 lm Output); CRI  $\geq$ 91
- > 20.000 h life time
- Flicker-free operation, camera mode: 100, 120, 600 Hz and 3 kHz
- Zoom range: 5.7° – 60° (1:10.5)

### Effects

- 2 gobo wheels, each with 6 rotate-, position- and interchangeable gobos + open
- Framing module with 4 blades – each fully closing (total curtain) and with separate motion and rotation control, module can be rotated by 110°
- CMY color mixing unit for rapid, even color mixing + linear CTO (P12 HP and P12 HC) and linear CTB (P12 WW) respectively
- P12 HP: 1 color wheel with 7 full and half colors + open and linear color selection + High CRI filter
- P12 HC and WW: 1 color wheel with 7 full and half colors + open and linear color selection + CTB filter
- 2 frost filters (soft edge 1° and flood frost 5°), continuously variable – optional further frost stages possible
- 2 prisms, linear and circular, rotate- and indexable
- Motorised infinitely adjustable high-speed iris with 18 fins
- Electronic dimmer 0% – 100%
- Electronic shutter with preprogrammed puls- and ramp functions
- Animation effect / Sparkle effect
- Focus system with auto focus function

### Movement

- 3 phase extra strong stepping motors
- Precise, very fast and silent movement
- 540° pan / 280° tilt

### Control and programming

- USITT DMX-512, RDM
- Ethernet interface with Art-Net and sACN
- Wireless DMX / RDM Lumen Radio CRMX TiMo
- LCD display with function keys and battery buffer, electronically rotatable
- Mini USB for software update
- Stand-alone mode, master/slave function
- Built-in DMX analyser

### Construction

- Original JB-Lighting slide-in module technology
- Rugged construction with carrying handles
- Transport lock for pan/tilt
- Fan control for almost noiseless operation, 29 dB(A)
- Neutrik 5pin XLR IN/OUT
- Neutrik etherCON IN/OUT
- Neutrik powerCON TRUE1 IN/OUT

### Rigging

- 2 Omega brackets with Original Camloc® fasteners for quick and convenient installation with four different fastening options

### Electrical specification

- Max. power consumption 800 VA
- Input voltage range 100V–240V, 50/60 Hz

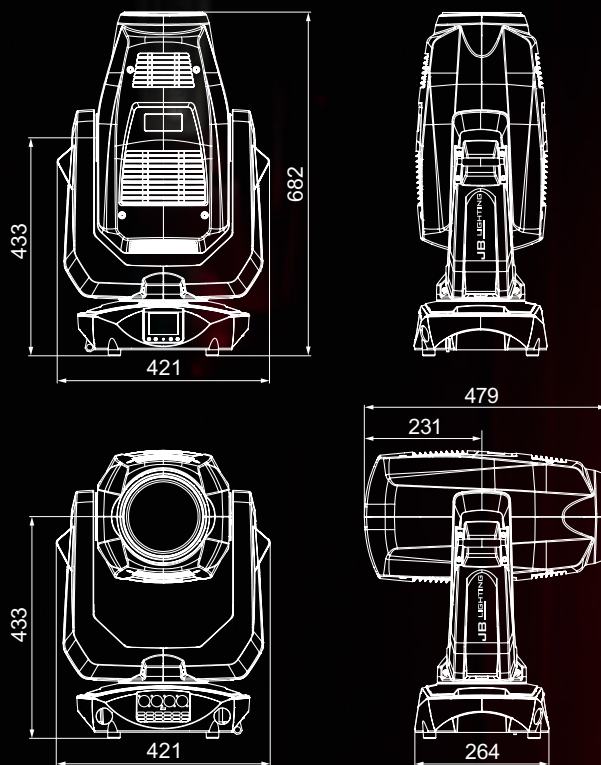
### Mechanical specifications

- Dimensions: W 421 x D 264 x H 682 mm
- Weight: 23 kg

### Scope of delivery

- Schuko on powerCON TRUE1, flexible rubber cable (2 m long, 3 x 1.5 mm<sup>2</sup>)
- 2 Omega brackets

## Dimensions:



### Accessories:

- **Lens hood** (Code ZU0024)
- **AMPTOWN double** (Code CASE38)
  - with SiP foam inlet, stacking troughs and a scan window
  - Dimensions: W 60 x D 60 x H 90 cm
  - Weight without (incl. fixtures): approx. 48 (94) kg
- **AMPTOWN fourfold** (Code CASE39)
  - with SiP foam inlet, stacking troughs and a scan window
  - Dimensions: W 120 x D 60 x H 90 cm
  - Weight without (incl. fixtures): approx. 76 (168) kg



# JB LIGHTING

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