

JB LIGHTING

P15

Best light quality,
extremely efficient and
unrivalled quietness!

1,000 W PROFILE

with framing module



Zoom
5.2° – 54°
(1:10.4)

Up to
34,000 lm
Output

only
29 dB(A)
extremely
quiet

only
24 kg
weight

1,000 W
white light
LED

Made in
GERMANY

...JUST BRILLIANT

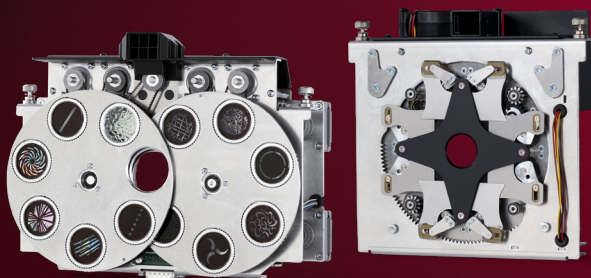
P15 Profile: a role model for precision, luminosity and color reproduction!

The combination of an optical system, 1,000 W white light LED module, heat pipe cooling, color mixing behaviour, zoom range and full effect equipment make the P15 Profile a trendsetter in terms of efficiency, light quality and projection attributes in its performance class.

Also in the “silent running” category, it takes pole position, as is typical for JB and does not shy away from comparisons with its air cooled competitors. The P15 Profile is multi-functional, versatile and extremely talented. Equipped with all refinements and features of note in order to put on an impressive and reliable show at any time – precise, powerful and extraordinarily quiet. It doesn't matter which event requires its performance: installed permanently in theatres, TV, in opera houses, exhibition halls or on tour.

The P15 Profile is a prime example of quality “Made in Germany”, with features such as:

- Zoom range from 5.2°–54° (1:10.4)
- Framing module, +/-65° rotatable with 4 blades, each blade can be rotated by +/-30°
- 2 gobo wheels each with 6 rotating precision gobos
- 1 color wheel with 6 colors + High CRI filter + CTB filter for automatic color temperature correction for gobo applications
- P15 Profile HC and P15 Profile HP with linear CTO that is replaced by a linear CTB in the P15 Profile WW
- CMY color mixing system for perfectly homogeneous color mixing
- 2 rotatable prisms (3-section circular or 5-section linear)
- 2 frost filters (1°, 5°), others available as an option
- Virtual green/magenta correction
- Virtual CTC adjustment (2000 K – 13000 K)
- Unrivalled 29 dB(A) quiet
- Graphic display, electronically rotatable and with a battery backup
- Flicker-free operation, camera mode: 100 | 120 | 600 Hz and high flex mode
- Infinitely adjustable high-speed iris with 18 fins
- 4 carrying handles for easy handling



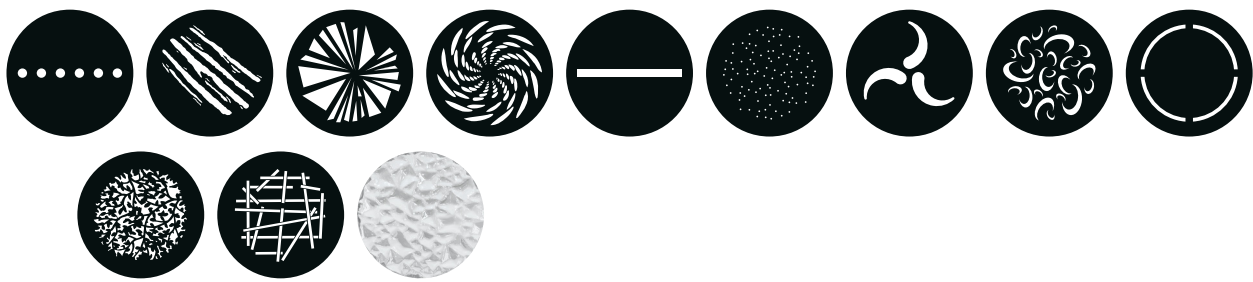
JB SLIDE-IN TECHNOLOGY

Cleaning and gobo changes can be done in no time. All plug-ins can be removed without tools or manual cable disconnection.

More information at:
www.jb-lighting.de



12
rotating
gobos



6
brilliant
colors



CMY
+ variable
CT filter



P15 PROFILE SPECIFICATIONS

Overview of light colors and features



P15 HP



P15 HC

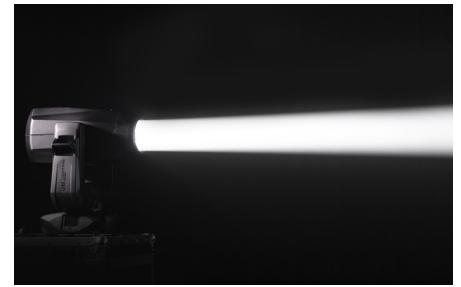
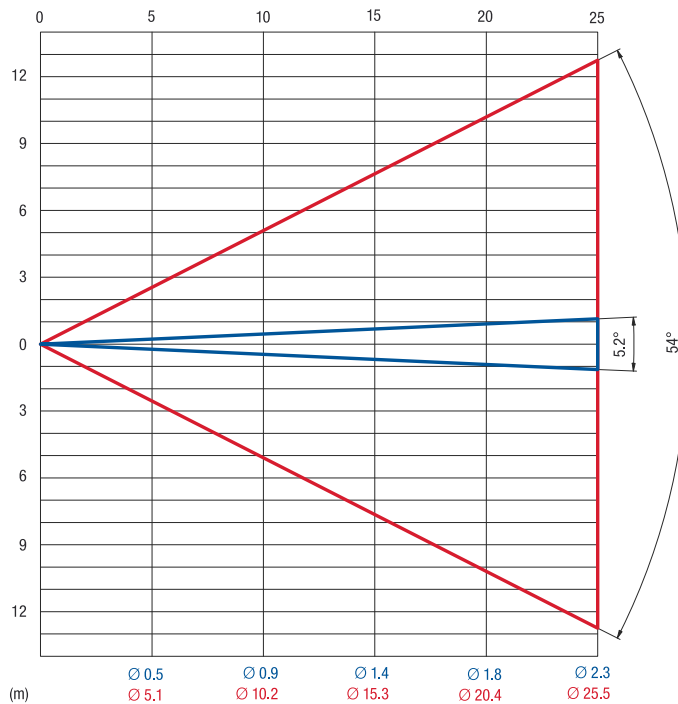


P15 WW

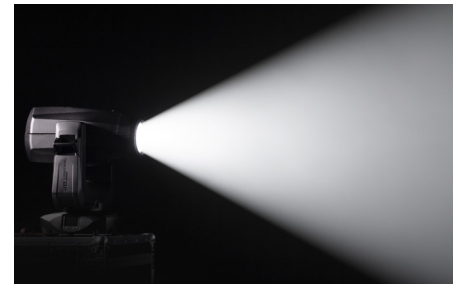
Specification:	HP – High Power	HC – High CRI	WW – Warm White
Color temperature:	6800 K	5800 K	3200 K
Luminosity:	75,000 lm (34,000 lm Output)	54,000 lm (22,000 lm Output)	44,000 lm (19,000 lm Output)
CRI:	73 (+/-3), mit CRI-Filter ≥ 85	92 (+/-3)	93 (+/-3)
Correction filter:	linear CTO 6800 K to 3200 K	linear CTO 5800 K to 3200 K	linear CTB 3200 K to 7700 K
Usage:	Maximum luminous intensity for optimal illumination even from a great distance	Maximum light quality for optimal color reproduction with the best luminosity	Maximum comparability with conventional halogen lamps

ZOOM RANGE: 5.2° – 54° (1:10.4)

The highly-efficient optical system with the 13 coated anti-reflective lenses guarantees the P15 Profile's perfect projection attributes. It enables unprecedented homogeneous lighting and the best defined beams over the entire zoom range of 5.2° – 54°. The focus and one or both frost filters simultaneously enables the beam to be blurred as required in a targeted manner.



Minimum zoom: 5.2°



Maximum zoom: 54°

PRISMS & FROST FILTERS

The P15 Profile has two infinitely retractable and combinable frost filters, which enables the degree of softness to be adjusted individually. Furthermore, creativity when generating patterns and lighting effects knows almost no bounds thanks to the two rotatable prisms.

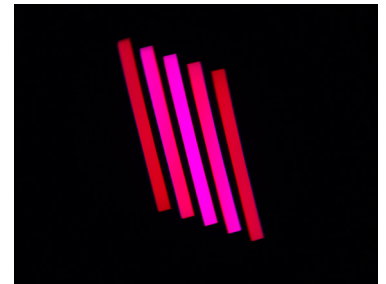


Soft edge (1°)

Flood frost (5°)



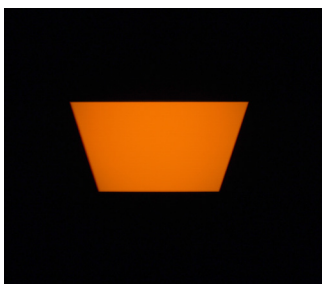
3-section prism (circular)



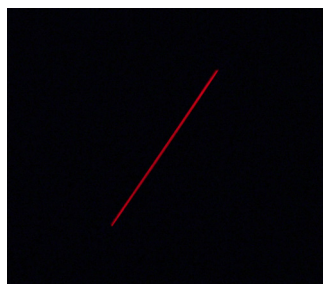
5-section prism (linear)

P15 PROFILE FRAMING MODULE

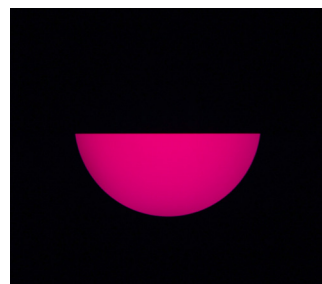
Each of the four blades is at its own level, can be rotated and positioned freely and can be pushed in over virtually the entire usable range at the maximum angle. This also enables extremely steep lighting angles to create a fast, precise deflection while maintaining the minimum lighting loss. The P15 framing module itself can also be turned continuously by 130°.



Each blade can be rotated continuously by $\pm 30^\circ$ and positioned freely



The finest line shapes thanks to a perfectly-tailored, 4-level mechanism



All blades can be pushed in equally wide and exactly parallel



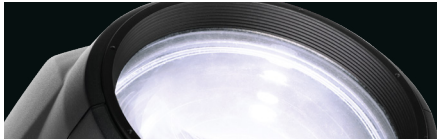
The framing module can be rotated by 130°

PHOTOMETRIC DATA

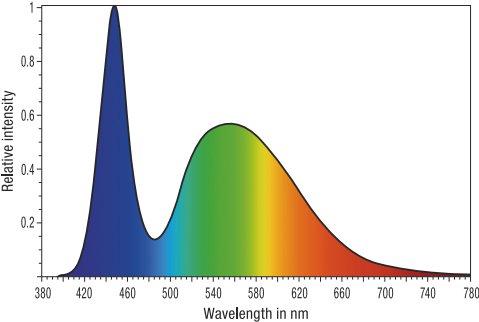
P15 

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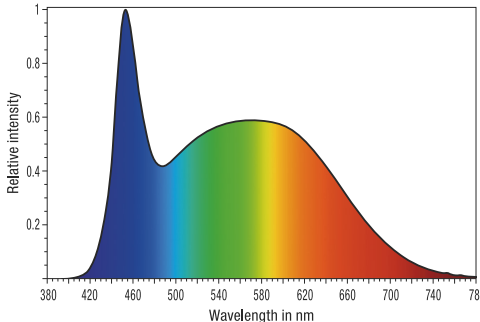
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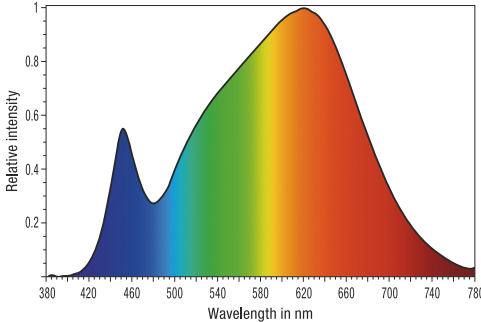
RELATIVE SPECTRAL DISTRIBUTION



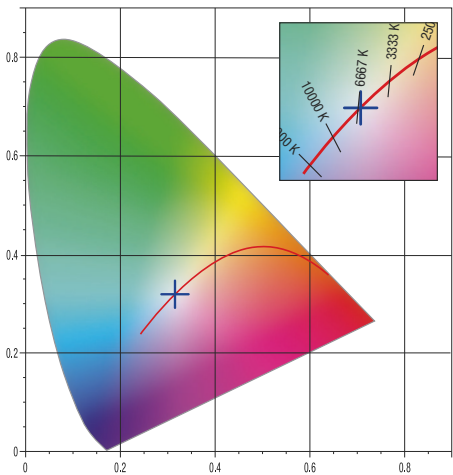
RELATIVE SPECTRAL DISTRIBUTION



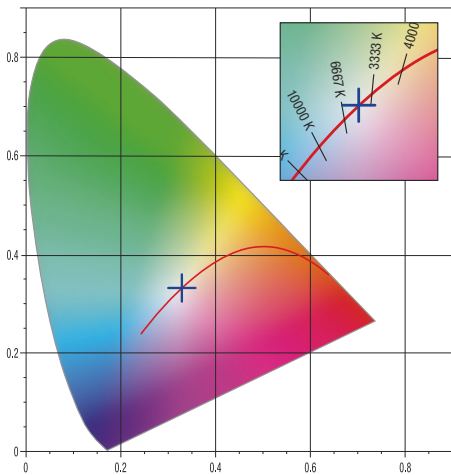
RELATIVE SPECTRAL DISTRIBUTION



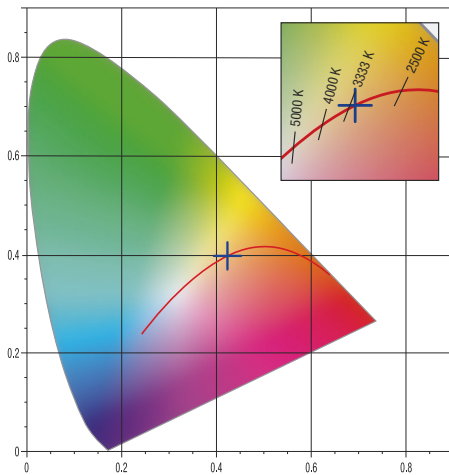
CHROMATICITY COORDINATES X,Y CIE 1931



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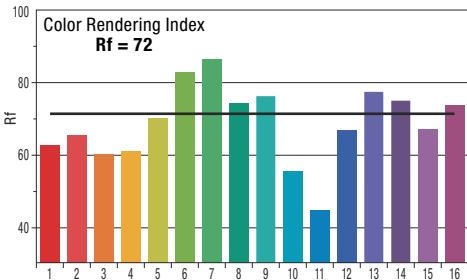


CHROMATICITY COORDINATES X,Y CIE 1931



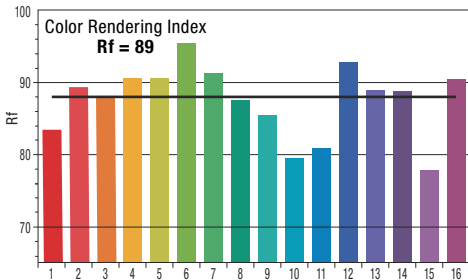
COLOR REPRODUCTION – TM-30

R _t	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	R _g
71.8	62.9	65.7	60.3	61.2	70.2	82.9	86.6	74.6	76.2	57.6	44.9	66.8	77.1	75.2	67.5	73.8	95



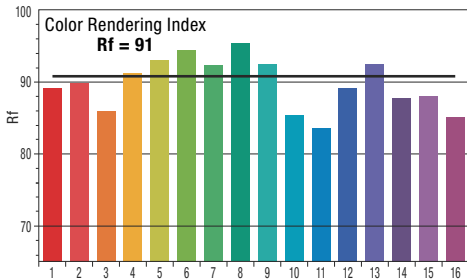
COLOR REPRODUCTION – TM-30

R _t	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	R _g
88.8	83.4	89.4	88.1	90.8	90.8	95.4	91.2	87.3	85.5	79.6	81.0	93.0	89.0	88.7	77.9	90.5	97

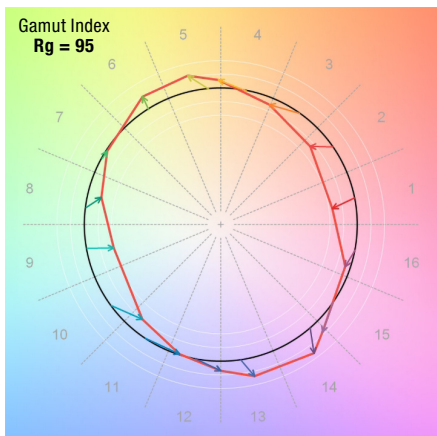


COLOR REPRODUCTION – TM-30

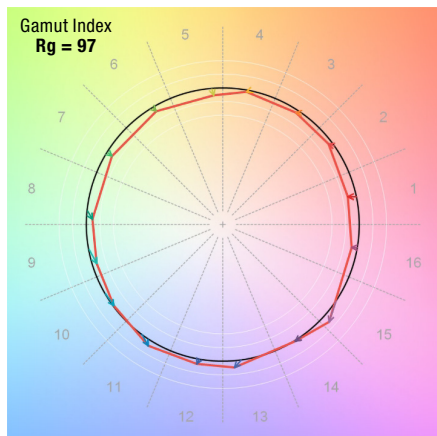
R _i	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	R _g
90.8	89.1	89.9	86.0	91.4	93.1	94.5	92.5	95.3	92.6	85.4	83.8	89.1	92.5	87.7	88.0	85.1	100



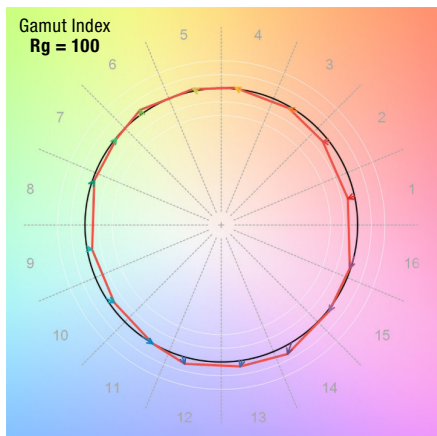
COLOR VECTOR GRAPHIC (CVG) – TM-30



COLOR VECTOR GRAPHIC (CVG) – TM-30



COLOR VECTOR GRAPHIC (CVG) – TM-30



Technical specifications:

Optics and light source

- 1,000 W white light LED module with “phosphorous in silicone” technology
- **P15 Profile HP** (High Power):
6800 K; 75,000 lm (34,000 lm Output); CRI 73 (+/-3); TM-30 Rg = 95 (+/-3)
- **P15 Profile HC** (High CRI):
5800 K; 54,000 lm (22,000 lm Output); CRI 92 (+/-3); TM-30 Rg = 97 (+/-3)
- **P15 Profile WW** (Warm White):
3200 K; 44,000 lm (19,000 lm Output); CRI 93 (+/-3); TM-30 Rg = 100 (+/-3)
- Highly-efficient optical system with perfect projection properties
- Light-emitting lens Ø 135 mm
- > 20.000 h life time
- Flicker-free operation, camera mode: 100, 120, 600 Hz and high flex mode
- Zoom range: 5.2° – 54° (1:10.4)

Effects

- 2 gobo wheels each with 6 rotatable, positionable and replaceable gobos + open
- 1 color wheel with 6 full or half colors + High CRI filter (= TM-30 filter) + CTB filter + open
- Framing module with 4 blades, module can be rotated by 130° (+/-65°), each blade can be rotated individually by +/-30°
- CMY color mixing system with perfectly homogeneous color mixing, even of pastel colors
- Linear CTO filter for variable color temperature adjustment exactly along the black body line: HP: 6800 K – 3200 K; HC: 5800 K – 3200 K or WW with linear CTB filter from 3200 K – 7700 K
- CTB filter for automatic color temperature correction for gobo applications (can be switched off)
- 2 frost filters (soft edge, 1°, flood frost, 5°), infinitely retractable and combinable – can be replaced by JB click system, other frost levels available as options: 2°, 3.5°, 10°, 20°
- 2 prisms, 3-section circular and 5-section linear, rotatable and indexable
- Motorised, infinitely adjustable high-speed iris with 18 fins
- Electronic dimmer 0% – 100%, 3 selectable dimming curves
- Electronic shutter with pre-programmed pulse and ramp functions
- Animation effect / sparkle effect
- Focus system with auto-focus function
- Virtual green/magenta correction to adapt to the surrounding light
- Virtual CTC adjustment: all light colors 2000 K – 13000 K

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
- Micro USB for software update
- Stand-alone mode, Master/Slave function
- Error analysis and DMX analysis
- Ethernet in/out with bypass function switch 10/100 Mbps

Construction

- Original JB-Lighting slide-in module technology
- Robust, roadworthy design with 4 carrying handles
- Transport lock for pan/tilt
- Prepared for mechanical path limitation for narrow installation spaces
- High-tech heat pipe cooling in conjunction with calibrated silent fans for almost noiseless operation at max. 29 dB(A)
- Neutrik 5pin XLR IN/OUT
- Neutrik etherCON IN/OUT
- Neutrik powerCON TRUE1 IN/OUT

Rigging

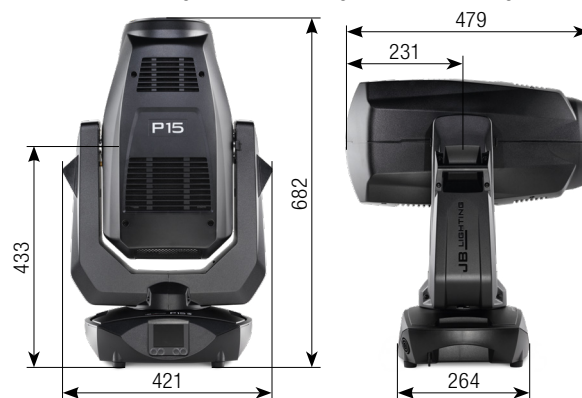
- 2 Omega brackets with Original Camloc® fasteners for quick and convenient installation, with four different fastening options

Electrical and thermal specification

- Maximum power consumption 1.100 VA
- Supply voltage 100V–240V, 50/60 Hz
- Total heat dissipation (calculated): 3.753 BTU/hr
- Ambient temperature: 0 to +40° (note the warm-up phase)

Mechanical specifications

- Dimensions: W 421 x D 264 x H 682 mm
- Weight: 24 kg
- LWR specification: (LWR = Lumen to Weight Ratio)
HP: 1,417 lm/kg · HC: 917 lm/kg · WW: 792 lm/kg



Scope of delivery

- Schuko on powerCON TRUE1, flexible rubber cable (2 m long, 3 x 1.5 mm²)
- 2 Omega brackets

Warranty

- Device: 2 years
- LED module: 4 years

Accessories

- ZU0029 Path limitation
- JBK0322 Lens hood
- CASE38 AMPTOWN double flight case
- CASE39 AMPTOWN 4-compartment flight case



JB LIGHTING

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