

JB LIGHTING

P18^{MK2}

**1,100 W
WASH**

with framing module

The showmaster:
even brighter,
quieter and more
versatile!



Output
40,000
lumen

Zoom
13° - 65°
(1:5)

only
28 dB(A)
extremely
quiet

only
30 kg
weight

1,100 W
white light
LED

Made in
GERMANY

...JUST BRILLIANT

Clear the stage for the new P18 Wash!

More luminosity and features than ever!

The enhanced P18 Wash (MK2), with 1,100 watt white light LED module and Fresnel lens, is not only more powerful, but very easy to use and versatile thanks to the extended equipment package.

Like an experienced stage showmaster, they know every trick in the book and do their work almost silently, with absolute precision and reliability. Thanks to the gobo wheel with 6 special gobos and a 130° rotatable framing module, the new repertoire of the P18 Wash will be sure to delight the lighting masters of large shows and theatre stages. Our premium washlight has even undergone a practical upgrade on the outside with two additional carrying handles, which are designed to make handling the 30 kg P18 Wash even easier.

The P18 Wash (MK2) from JB Lighting – Quality “Made in Germany” – with features such as:

- Zoom from 13°–65° (1:5)
- 1 color wheel with 7 correction filters
- 1 gobo wheel with 6 rotating gobos
- Framing module (rotatable by +/- 65°) with 4 blades, each blade can be rotated independently by +/- 28°
- 2 infinitely adjustable frost filters (soft edge/flood frost)
- Infinitely adjustable high-speed iris
- Large Fresnel light exit lens
- 4 carrying handles for easy handling
- Ultra-quiet 28 dB(A)
- Graphic display, electronically rotatable and with a battery backup
- Flicker-free operation, camera mode: 100 | 120 | 600 Hz and 3kHz

In addition, the P18 Wash HP (High Power) has:

- CMY color mixing unit and linear CTO
- 1 color wheel with 6 colors + High CRI filter

In addition, the P18 Wash HC (High CRI):

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

In addition, the P18 Wash WW (Warm White):

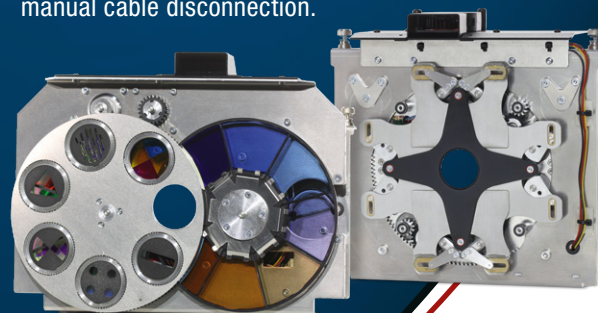
- CMY color mixing unit and linear CTB
- 1 color wheel with 7 colors

Find more information at: www.jb-lighting.de



JB SLIDE-IN TECHNOLOGY

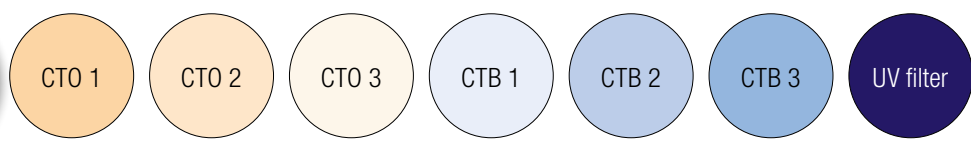
Cleaning and gobo changing are easy with the P18 Profile. All slide-ins can be removed without tools or manual cable disconnection.



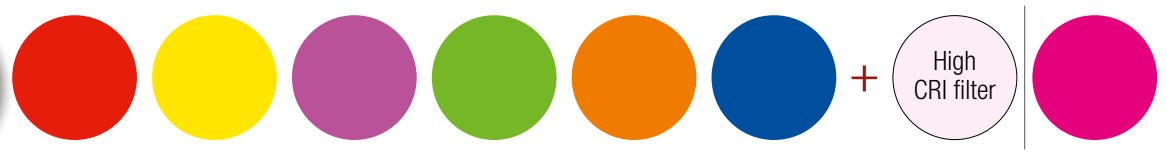
6 rotating gobos



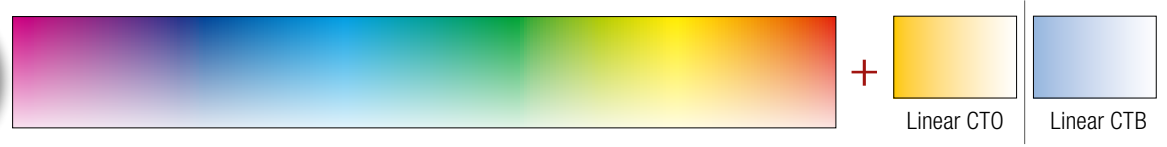
7 correction filters



6 brilliant colors



CMY + variable CT filter



P18 WASH SPECIFICATIONS

Overview of light colors and features



P18 HP



P18 HC

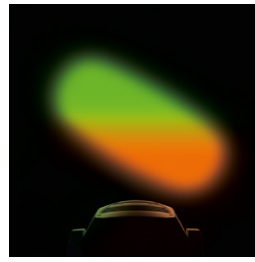


P18 WW

| | | | |
|--------------------|---|--|--|
| Specification: | HP – High Power | HC – High CRI | WW – Warm White |
| Color temperature: | 7200 K | 6000 K | 3200 K |
| Luminosity: | 72,000 lm (40,000 lm Output) | 49,000 lm (28,500 lm Output) | 42,000 lm (23,000 lm Output) |
| CRI: | ≥70 (with CRI filter ≥85) | ≥90 | ≥92 |
| Correction filter: | linear CTO 7200 K to 2900 K | linear CTO 6000 K to 2700 K | linear CTB 3200 K to 6500 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 |

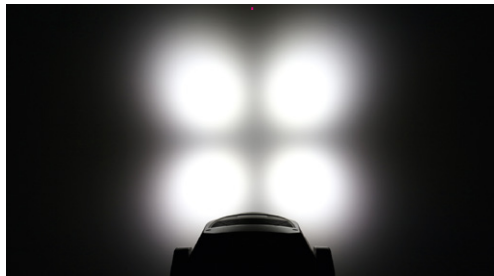
GOBOS

The gobo wheel of the new P18 Wash is equipped with 6 rotatable, positionable and interchangeable gobos, with which great projection and rotation effects are possible even for wash lighting applications.



FROST FILTERS

Depending on stage use, even more diffuse beams or blurred beam edges can be created using the two infinitely adjustable frost filters.



Soft edge



Flood frost

ZOOM RANGE (13 – 65°)

Whether narrow or wide distribution – the optical system of the P18 Wash guarantees absolutely uniform beams in every way.



Minimum zoom (13°)



Maximum zoom (65°)

SPECIAL FEATURE P18 WASH: FRAMING MODULE

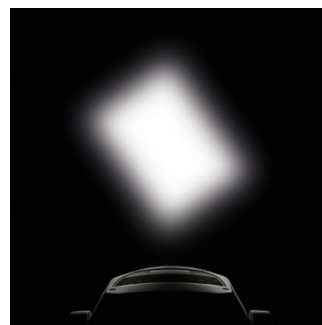
The new P18 Wash is equipped with a 130° rotatable framing module. Each blade can be adjusted independently in position and angle (+/- 28°). As a result, countless geometric shapes can be created quickly and precisely for targeted lighting or shading of objects and scenarios.



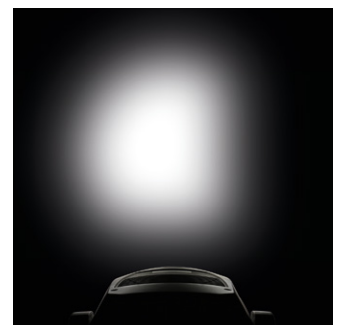
Individually controllable blades with variable angle (+/-28°) and position



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



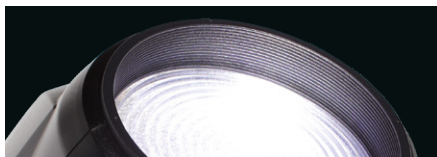
The framing module is rotatable by +/- 65°



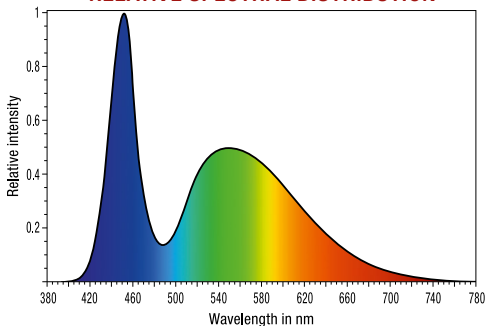
Frost filters create soft, perfectly homogeneous edges

PHOTOMETRIC DATA

P18 $\frac{HP}{P}$



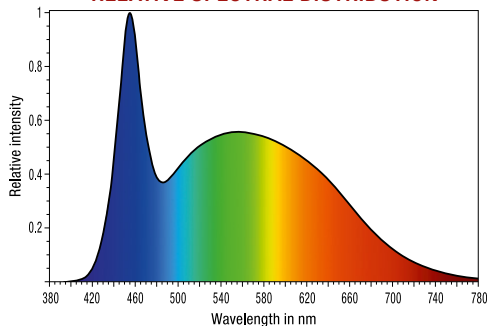
RELATIVE SPECTRAL DISTRIBUTION



P18 $\frac{H}{C}$



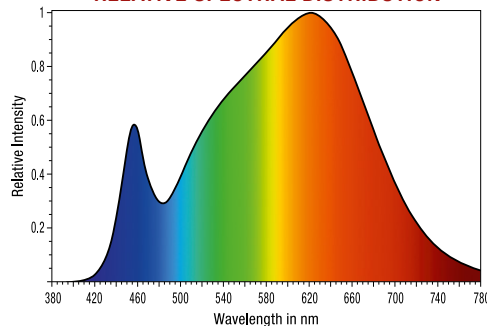
RELATIVE SPECTRAL DISTRIBUTION



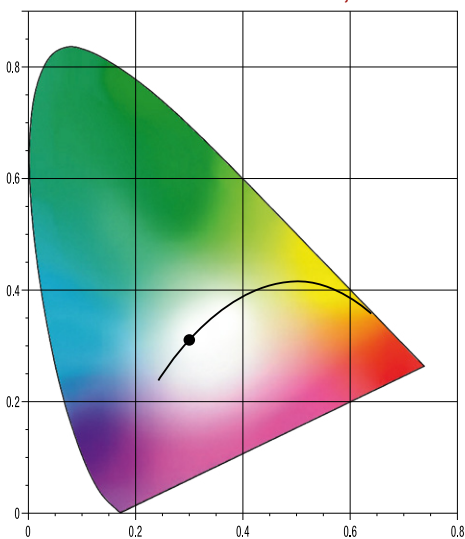
P18 $\frac{W}{W}$



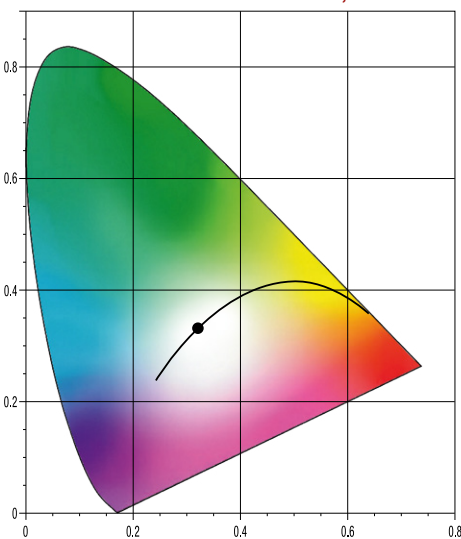
RELATIVE SPECTRAL DISTRIBUTION



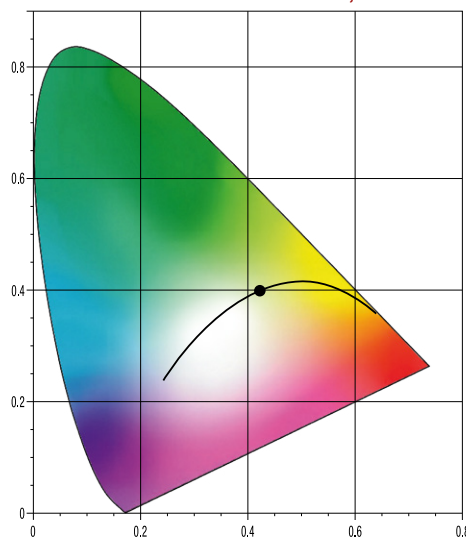
CHROMATICITY COORDINATES X,Y CIE 1931



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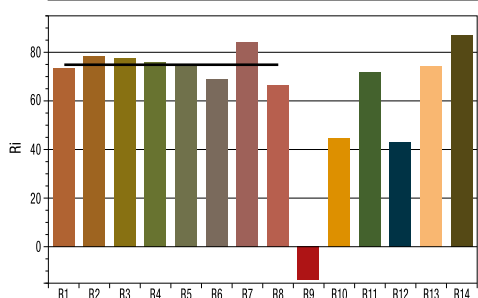


CHROMATICITY COORDINATES X,Y CIE 1931



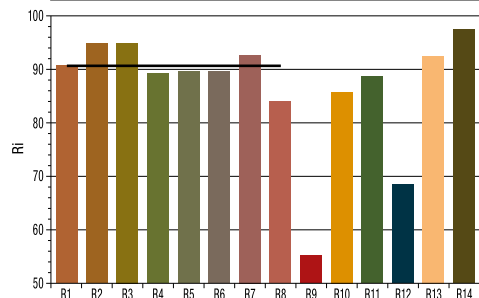
COLOR REPRODUCTION – CRI

| R _a | R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 |
|----------------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|
| 74.9 | 73.5 | 78.4 | 77.7 | 75.8 | 74.0 | 68.9 | 84.2 | 66.5 | -13.8 | 44.8 | 71.7 | 43.2 | 74.4 | 87.3 |



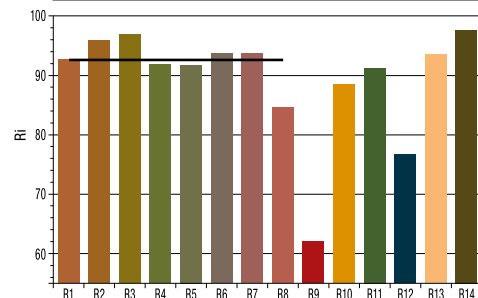
COLOR REPRODUCTION – CRI

| R _a | R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 90.8 | 90.7 | 94.9 | 95.0 | 89.3 | 89.7 | 89.7 | 92.9 | 84.1 | 55.9 | 85.8 | 88.8 | 68.5 | 92.6 | 97.5 |



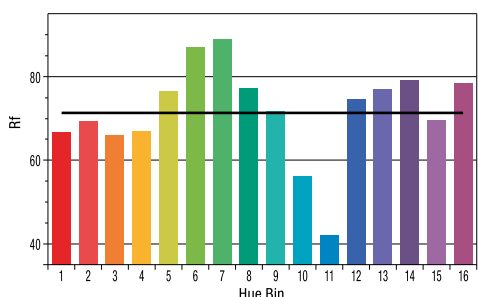
COLOR REPRODUCTION – CRI

| R _a | R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 92.6 | 92.7 | 95.8 | 96.9 | 91.8 | 91.7 | 93.6 | 93.6 | 84.6 | 64.2 | 88.5 | 91.2 | 76.7 | 93.5 | 97.6 |



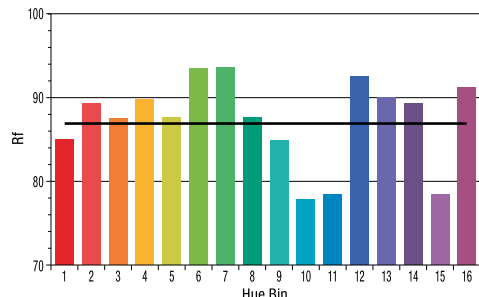
COLOR REPRODUCTION – TM-30-15

| R _f | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | R _g |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|
| 71.3 | 66.7 | 69.2 | 66.0 | 67.0 | 76.4 | 87.1 | 88.9 | 77.2 | 71.6 | 56.3 | 42.2 | 74.6 | 77.0 | 79.3 | 69.5 | 78.3 | 93.5 |



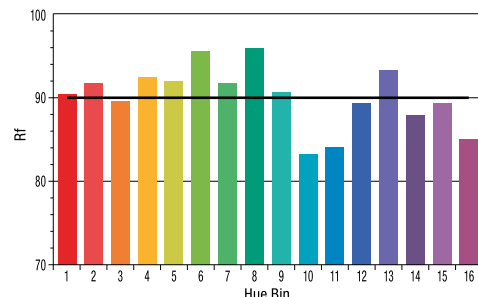
COLOR REPRODUCTION – TM-30-15

| R _f | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | R _g |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|
| 86.9 | 85.0 | 89.4 | 87.6 | 89.8 | 87.7 | 93.5 | 93.7 | 87.6 | 84.8 | 77.8 | 78.5 | 92.6 | 90.0 | 89.4 | 78.5 | 91.2 | 97.6 |



COLOR REPRODUCTION – TM-30-15

| R _f | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | R _g |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|
| 90.0 | 90.4 | 91.7 | 89.6 | 92.4 | 92.0 | 95.6 | 91.7 | 95.8 | 90.7 | 83.3 | 84.1 | 89.4 | 93.2 | 87.9 | 89.4 | 85.1 | 99.1 |



Technical specifications:

Optics and light source

- 1,100 W white light LED module
HP (High Power): 7200 K; 72,000 lm (40,000 lm Output); CRI ≥70
HC (High CRI): 6000 K; 49,000 lm (28,500 lm Output); CRI ≥90
WW (Warm White): 3200 K; 42,000 lm (23,000 lm Output); CRI ≥92
- > 20,000 h life time
- Flicker-free operation, camera mode: 100, 120, 600 Hz and 3 kHz
- Zoom range: 13° – 65° (1:5)
- Large Fresnel light exit lens

Effects

- 1 gobo wheel with 6 rotate-, position- and interchangeable gobos: 5 gobos + 1 multicolor gobo + open
- 1 color wheel with 7 changeable correction filters + open
- CMY color mixing unit for rapid, even color mixing + linear CTO (P18 HP and P18 HC) and linear CTB (P18 WW) respectively
- P18 HP: 1 color wheel with 6 full and half colors + open and linear color selection + High CRI filter
- P18 HC and WW: 1 color wheel with 7 full and half colors + open and linear color selection
- Framing module with 4 blades – each fully closing and with separate motion and rotation control, the module can be rotated by 130° (+/- 65°), each blade independently by +/- 28°
- Motorised infinitely adjustable high-speed iris with 18 fins
- 2 frost filters (soft edge/flood frost), continuously variable – optional further frost stages possible
- Electronic dimmer 0% – 100%
- Electronic shutter with preprogrammed puls- and ramp functions
- Focus system with auto focus function
- Zoom range: 13° – 65° (1:5)

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
- Transport lock for pan/tilt
- Fan control for almost noiseless operation, 28 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 1,500 VA
- Input voltage range 100 V–240 V, 50/60 Hz

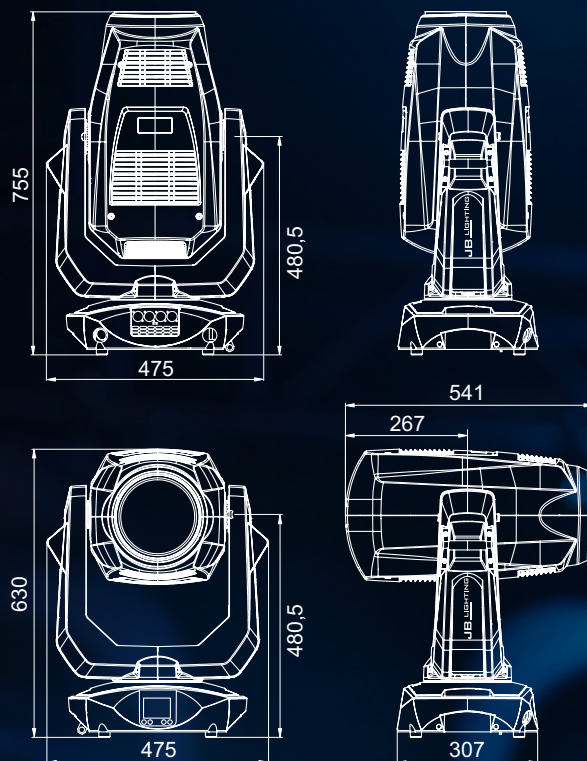
Mechanical specifications

- Dimensions: W 475 x H 755 x D 307 mm
- Weight: 30 kg

Scope of delivery

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

Dimensions:



+ Accessories:

- **Diffusor** (Code ZU0023)
- **AMPTOWN single** (Code CASE31)
 - with SiP foam inlet, stacking troughs and a scan window
 - Dimensions: W 60 x D 58 x H 86 cm
 - Weight without (incl. fixtures): approx. 48 (78) kg
- **AMPTOWN double** (Code CASE32)
 - with SiP foam inlet, stacking troughs and a scan window
 - Dimensions: W 120 x D 58 x H 86 cm
 - Weight without (incl. fixtures): approx. 74 (134) kg



JB LIGHTING

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