impression FR10 BAR

Key Facts

- 10x 60 Watt RGBW Osram® LEDs
- individual Zoom for each lens separately
- Micro Fresnel lenses for punchy output
- Pencil-Beam Effect

THE BAR JUST GOT BIGGER

Following on from their groundbreaking X4 Bar series, GLP introduces the impression FR10 Bar, a linear format fixture that offers unrivalled output and creative control, whilst blending seamlessly in with the existing X4 Bar series.

With a new optical system, the impression FR10 Bar uses a larger size output aperture, as used in the impression FR1 giving a new look from a familiar style. The impression FR10 Bar contains 10 sources, each containing a high output 60 Watt RGBW LED that color matches with the entire GLP X4 and FR series of fixtures. Each individual source features smooth, full range color mixing with strong, punchy output from a homogenized Fresnel lens. Along with individual color control, the impression FR10 Bar contains a series of built in color macros and a large reference of industry standard color filters.

The GLP impression FR10 Bar has a 10:1 ratio zoom range of 3.7to 35 degrees, but what separates the impression FR10 Bar from any other product on the market is the ability to control each of the zoom lenses individually and independently. This functionality brings a whole new level of creativity, design possibility and flexibility to the concept of linear lighting.

At its' narrowest angles, the impression FR10 Bar produces clean, seamless flat sheets of light that are incredibly dramatic and piercingly beautiful, along with arrays of pin point beams of light.

At wider angles, the impression FR10 Bar can wash areas and surfaces of stages, walls, cycloramas and much more.

The addition of individual zoom control gives huge mid-air possibilities, along with the subtlety when needed, to get clear focus control on specific performance areas, at an individual pixel level.

Utilizing the same physical construction as the industry standard GLP X4 Bar 20, the impression FR10 Bar fits seamlessly with existing units in the market and uses the same rigging and interlocking systems for simplicity and future-proofing of creative design. This also means consistent pixel spacing between fixtures when using multiples of the impression FR10 Bar together.

With its seamless integration, the impression FR10 Bar features 16 bit movement through a tilt range of 200degrees, with integrated feedback.

Technical Data (1/2)

LIGHT SOURCE

Light Source Type	10x RGBW Osram Ostar 60 W LED
Light Source Power	600 W
Light Source Lifetime	50,000 h (L70)
LED refresh rate	2,200 Hz, 3,000 Hz, 4,800 Hz, 9,600 Hz, 25 kHz
CRI (Ra)	80+
CQS	80+
TLCI	80+
TM-30 Rf	77
TM-30 Rg	106

OPTICAL SYSTEM

Total Output	5,800 lm
Min. Zoom	3.7° field angle (10 %)
Max. Zoom	34° field angle (10 %)
Zoom Ratio	1:7
Risk Group	2

DYNAMIC EFFECTS

Color mixing	RGBW, independently variable 0 – 100 %
Color temperature control	variable 10,000 – 2,500 K
Color wheel 01	virtual Color Wheel with 15 Colors, rotation, random
Zoom	10x independently variable 0 – 100 %
Dimmer / Shutter	0 – 100 % continuous 16 bit electronic dimming, regular and random strobe and pulse effects, instant open and black-out, Random Pixel Strobe
Tilt	200°

CONTROL AND PROGRAMMING

DMX channels	25, 51, 57, 79
Control Modes	4
Control Protocols	DMX (USITT DMX512-A) RDM (ANSI/ESTA E1.20)
High-Res Channels	Dimming, Tilt
Dimming Curves	linear, soft
Performance Modes	fast, normal, smooth
Fan Modes	regulated, high, medium, low
Setting and addressing	control panel with backlit graphic display, 4 Button Menu Navigation, DMX, RDM
Others	Stand Alone 1 capture Scene, 3 Layer Pattern-FX-Engine
Firmware Update	DMX Link via DProg

CONNECTIONS

Power connection	Neutrik powerCON TRUE1 In/Out
Signal connection	XLR 5-Pin In/Out etherCON In/Out (failsafe)

ELECTRICAL SPECIFICATIONS

Power input	100 – 240 V AC nominal, 50/60 Hz
Power supply unit	Auto-ranging electronic switch-mode
Fuse	T 5A 250 V 6x32 mm
Max. number of products per current line	2x FR10 Bar @ 100 – 120 V, 60 Hz 4x FR10 Bar @ 200 – 240 V, 50 Hz
Incl. power cable	US: 16 A, 14 AWG, UL listed, E304117, SJT, 4.9 ft EU: 16 A, 1.5 mm², H05VV-F, 1.5 m
Max. Power (@ 230 V)	740 W
Typ. Power	710 W
Min. Power (@ 230 V)	60 W
Power Factor	> 0.95 / 230 VAC > 0.98 / 115 VAC

THERMAL SPECIFICATIONS

Cooling Type	Combined convection and forced air
Max. surface temperature (Ta=40° C)	80°C / 176°F
Max. ambient temperature (Ta max.)	45°C / 115°F
Min. ambient temperature (Ta min.)	5°C / 40°F
Thermal Protection	Automatic overtemperature protection
Total heat dissipation	2430 BTU's/Hr

INSTALLATION

Mounting	4 pairs of 1/4-turn locks, 2x Safety Cable attachment point
Orientation	Any
min. distance to combustible materials	0.2 m / 8 in
min. distance to combustible materials	1.0 m / 3.28 ft
Location	Dry location only

CONSTRUCTION

Housing Color	Black
Housing Material	High-impact flame-resistant thermoplastic, Aluminium, Steel Metal Plates
Protection Rating	IP 20
Construction Features	Tilt-Lock-System, Alignment System, Base Handles, Changeable Frontscreen

Technical Data (2/2)

DIMENSIONS & WEIGHT

Height (head straight up)	339 mm / 13.3 in
Height (head vertical)	254 mm / 10 in
Width (across yoke)	1,000 mm / 39.4 in
Depth (head straight up)	196 mm / 7.7 in
min. center-to-center	170 mm / 6.7 in
distance	1,000 mm / 39.4 in
Weight	24 kg / 53 lbs

APPROVALS AND CLASSIFICATIONS

EN 62471 Classification	Risk Group 2