Matrix Eye 2 & Matrix Eye 4

Preliminary Data

The Future of LED Blinders

The GLP MATRIX Eye is the first fixture in the groundbreaking new MATRIX Series – a smart cluster system that allows you to mechanically link multiple frame fixtures into one seamless lighting unit. Build your own custom lighting system with LED Blinders and more, with additional MATRIX products coming soon.

Powered by high-efficiency RGBAL LEDs and the innovative GLP iQ.Gamut Color Algorithm, the MATRIX Eye delivers intense color output and high-quality white light with superior color rendering. It faithfully replicates the classic tungsten behavior of traditional DWE Blinders, offering an authentic, warm dimming curve with all the benefits of LED technology.

Designed for maximum performance and affordability, the MATRIX Eye features a smart yet cost-effective construction. This ensures a low investment price, rapid ROI, and competitive rental rates—making it the perfect choice for lighting professionals who demand reliability, versatility, and cost efficiency.

Elevate your lighting game with the GLP MATRIX Eye – where innovation meets tradition.

Technical Data (1/2)*

LIGHT SOURCE

Type	RGBAL LED
Count Eye 2 Eye 4	 2 Engines with 50 LEDs each 4 Engines with 50 LEDs each
Power single Head Eye 2 Eye 4	10 W each LED 500 W total: 1,000 W total: 2,000 W
Lifetime	50,000 h

OPTICAL SYSTEM

Output Eye 2 Eye 4	 21,500 lm Boost | 14,500 lm Constant 43,000 lm Boost | 29,000 lm Constant
Beam angle	60° Beam angle 100° Field angle

DYNAMIC EFFECTS

Dimmer	8 bit | 16 bit
Shutter Frequency	Duration Control | Rate Control | IntensityFX Control
CTC	Open | 2,500 K – 10,000 K
Tungsten Simulation	Red Shift Control | Dimmer Response Control

04/2025

GLP German Light Products GmbH | Industriestr. 2 | 76307 Karlsbad | Germany | Register court: Mannheim | Trade register (HRB): 361719 | CEO: Udo Künzler | Telephone: +49 (0)72 48 / 927 19 – 0 | Fax: +49 (0)72 48 / 927 19 – 30 | E-Mail: info@glp.de | Web: www.glp.de

Technical Data (2/2)*

CONTROL & PROGRAMMING

DMX Channels	
Eye 2	2 | 19 | 38 | 6
Eye 4	4 | 19 | 76 | 12
Control Modes	4
Protocols	DMX (USITT DMX512-A) | RDM (ANSI/ESTA E1.20) | iQ.Mesh
High-Res Channels	Dimmer
Dimming Curves	Linear | Square | S-Curve
Color Mix Mode	RGB | RGBAL
Color Mix Speed	Snap | Fade
Fan Modes	Regulated | High | Medium | Low
Pixel Mirror	x-mirror | y-mirror | xy-mirror | Off
PWM Frequency	Optimal | High 1 | High 2 | Max
White Points	8,000 K | 6,500 K | 5,600 K | 4,200 K | Off
Duration Control	Normal | Percentage
Output Modes	Boost | Constant
Hibernation	yes
Setting and addressing	Control panel with backlit graphic display | 4 Button Menu Navigation | DMX | RDM | iQ.Mesh | Stand Alone Scene
Firmware Update	DMX Link via DProg | iQ.Mesh via Service App | iQ.Tool

CONNECTIONS

Power connection	Neutrik powerCON TRUE1 In/Out
Signal connection	Neutrik XLR 5-Pin In/Out

ELECTRICAL SPECIFICATIONS

Power input	100 – 240 V AC / 50 – 60 Hz
Power supply unit	Auto-ranging electronic switch-mode
Max. Power	All effects on:
Eye 2	700 W
Eye 4	1,400 W

THERMAL SPECIFICATIONS

Cooling Type	active fan cooling
Temperature range	-10 °C / 14 °F to 45 °C / 113 °F
Thermal Protection	Automatic

INSTALLATION

Mounting	tbd
Orientation	Any | horizontal sideway | vertical hanging
Location	Indoor | Outdoor

CONSTRUCTION

Housing Color	Black
Housing Material	High-impact flameresistant thermo-plastic | Aluminum | Steel Metal Plates
Protection Rating	IP 65
Construction Features	Alignment & Linking System | +/-20° individual Head-Pan-Angle

DIMENSIONS & WEIGHT

Height	
Eye 2	200 mm / 7.87 in
Eye 4	400 mm / 15.74 in
Width	
Eye 2	200 mm / 7.87 in
Eye 4	400 mm / 15.74 in
Depth	244 mm / 9.61 in
Weight netto	
Eye 2	7 kg / 15.4 lbs
Eye 4	12 kg / 26.45 lbs

SHIPPING

Tourpack	tbd

ARTICLE NUMBERS

Matrix Eye 2	7457
Matrix Eye 4	7458

* Preliminary Data. Subject to change.

04/2025

GLP German Light Products GmbH | Industriestr. 2 | 76307 Karlsbad | Germany | Register court: Mannheim | Trade register (HRB): 361719 | CEO: Udo Künzler | Telephone: +49 (0)72 48 / 927 19 – 0 | Fax: +49 (0)72 48 / 927 19 – 30 | E-Mail: info@glp.de | Web: www.glp.de