

# Matrix Eye 2



## Key Facts

- 100° Field Angle with up to 20,000 lm
- Realistic tungsten simulation with CRI 90+ at 6,500 K
- +/-20° individual Head-Pan-Angle
- IP65 protected for indoor and outdoor
- compact and low weight framing construction for multiple fixture cluster

## 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	2 Engines with 50 LEDs each
Power single Head total	10 W each LED 500 W 1,000 W
Lifetime	50,000 h

### OPTICAL SYSTEM

Output	preliminary: up to 19,650 RGBAL
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	8x linked to fix CCT   8x relative to Colormix

# Technical Data (2/2)

## CONTROL & PROGRAMMING

DMX Channels	2   19   38   6
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
Pixel Rotation	90°   180°   270°   Off
PWM Frequency	Optimal   High 1   High 2   Max
White Points	8,000 K   6,500 K   5,600 K   4,200 K   3,200 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 Eye 2	preliminary: 600 W

## THERMAL SPECIFICATIONS

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

## INSTALLATION

Mounting	3x pair of 1/4-turn locks (Frame Top, Frame side, yoke)   2x Safety Cable attachment point (back bone)
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	200 mm / 7.87 in
Width	400 mm / 15.74 in
Depth without yoke	246 mm / 9.68 in
Depth with yoke	302 mm / 11.91 in
Weight Fixture only	9.5 kg / 20.5 lbs
Weight with Yoke 400/100	11.1 kg / 24.5 lbs

## WEIGHT YOKES

Yoke 400/200	1.8 kg / 3.97 lbs
Yoke 400/100	1.64 kg / 3.62 lbs
Yoke 200/200	1.55 kg / 3.42 lbs

## SHIPPING

Tourpack	Flightcase, 6-way
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## ARTICLE NUMBERS

Matrix Eye 2	7457
Yoke 400/200	32001
Yoke 400/100 (incl.)	32003
Yoke 200/200	32002