



# EvenLED

EvenLED is a high-brightness modular system of RGB LED panels used together with a rear-projection material to create a completely even and flicker-free field of light over cycloramas and other semi-transparent projection surfaces.

## FEATURES

## TECHNICAL SPECIFICATIONS

### Physical

Height: 1014 mm  
Width: 995 mm  
Depth: 71 mm  
Weight: 10 kg

### Control and Programming

Control: DMX  
DMX channels: 96 per independently controlled panel  
Control resolution: 16-bit control of each color  
Protocol: USITT DMX512/1990

### Photometric Data

Light source: Proprietary 6 W RGB LED array  
Resolution, one fixture: 4 x 4 pixels  
Pitch (pixel center-to-center): 250 mm  
Pixels per m<sup>2</sup>: 16  
Color resolution: 16 bits per color  
Viewing angle: 112° (+56°, -56°)  
Minimum LED source lifetime (to 70% of initial output level): 40 000 hours at full intensity\*

\*Figure obtained under manufacturer's test conditions:

### Construction

Panels: Aluminum  
Color: White  
Protection rating: IP20

### Installation

Orientation: Vertical  
Mounting: Suspended using mounting rail and clamps only; max. 10 panels per suspended column

### Connections

Power in/out: Neutrik PowerCon  
Data input: 5-pin locking XLR  
Data output: 5-pin locking XLR  
Data through: 5-pin locking XLR

### Electrical

AC power: 100-120/200-240 V nominal, 50/60 Hz  
Power supply unit: Integrated, auto-sensing multi-voltage with integral current overload protection  
Standby power: 24 W  
Main fuse (not user-replaceable): F 6.3 A

### Typical Power and Current

100 V, 50 Hz: 151 W, 1.6 A, PF 0.978  
100 V, 60 Hz: 151 W, 1.6 A, PF 0.988  
110 V, 60 Hz: 151 W, 1.4 A, PF 0.985  
120 V, 60 Hz: 151 W, 1.3 A, PF 0.981  
208 V, 60 Hz: 151 W, 0.8 A, PF 0.915  
230 V, 50 Hz: 152 W, 0.8 A, PF 0.892  
240 V, 50 Hz: 152 W, 0.7 A, PF 0.887

PF = power factor:

Measurements made at nominal voltage with all LEDs at full intensity. Allow for a deviation of +/- 10%.

Thermal

### Cooling: Convection

Maximum ambient temperature (Ta max.): 40° C  
Minimum ambient temperature (Ta min.): 5° C  
Maximum surface temperature, steady state, Ta=40° C: 80° C  
Total heat dissipation (calculated, +/- 10%): 530 BTU/hr.

### Approvals

EU safety: EN 60598-1, EN 60598-2-17, IEC/EN 60825-1

EU EMC: EN 55015, EN 55103-1, EN 55103-2, EN 61000-3-2, EN 61000-3-3  
US safety: UL 1573  
Canadian safety: CAN/CSA C22.2 No. 60950-1

Included Items  
User manual: 35000222

#### Accessories

3 m power cable, 12 AWG, SJT, with PowerCon NAC3FCA power input connector:  
11541503  
Neutrik PowerCon NAC3FCA power input connector, cable mount, blue: 05342804  
Neutrik PowerCon NAC3FCB power output connector, cable mount, light grey:  
05342805  
PowerCon daisy-chain power cable, 1.4 m: 11850099  
PowerCon daisy-chain power cable, 2.25 m: 11850100  
PowerCon daisy-chain power cable, 3.25 m: 11850101  
Six-unit flightcase for 6 x EvenLED, 1 x 1 m: 91515005

#### Ordering Information

EvenLED™ panel, 1 x 1 m: 90354500  
EvenLED™ Hanging Bracket 1 m wide: 91602011  
EvenLED™ Software Uploader: 90758097  
EvenLED™ DMX Thief™ Addressing Tool, EU model: 90758096  
EvenLED™ DMX Thief™ Addressing Tool, US model: 90758098

