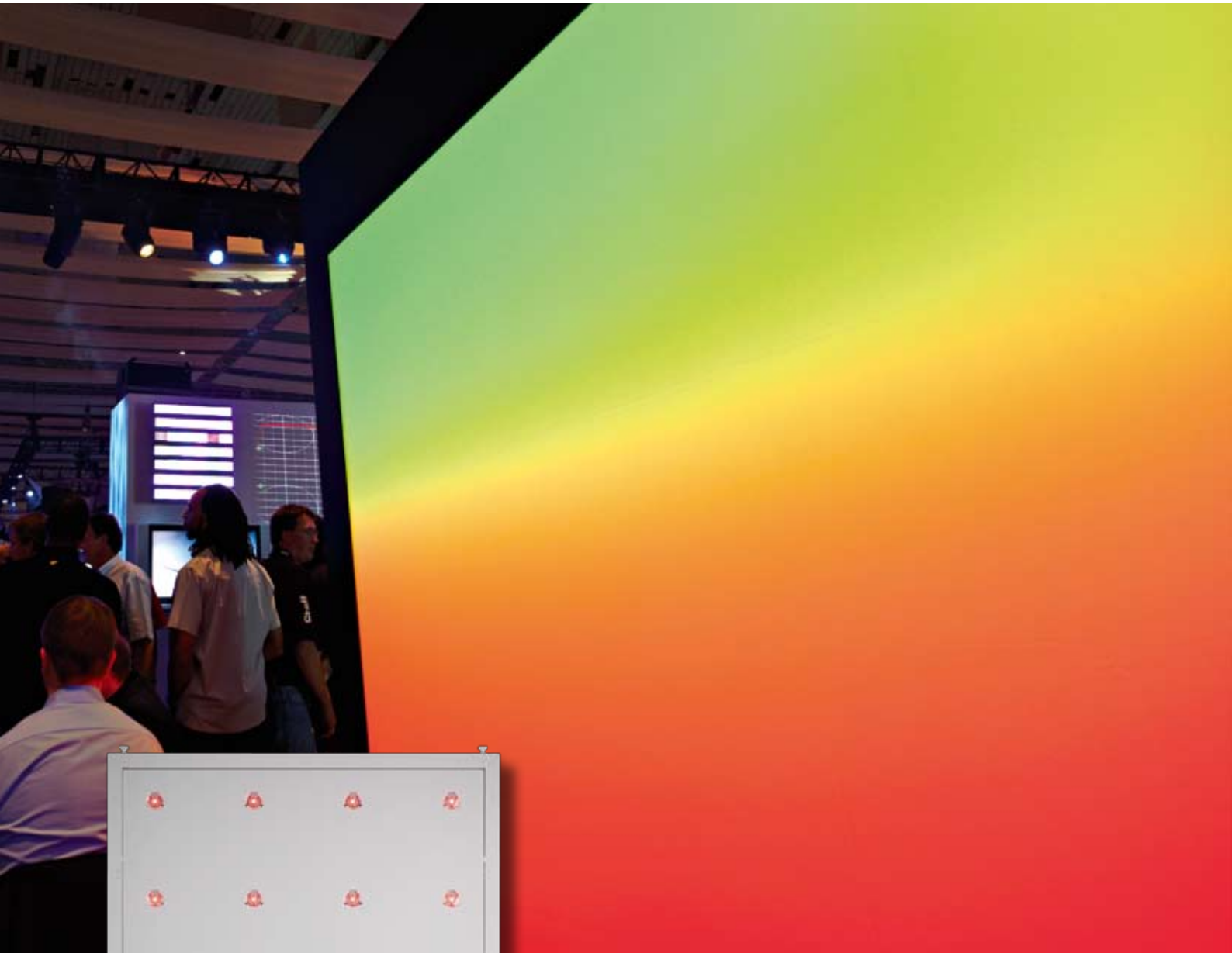


EvenLED™



Martin®

Uniformly Perfect!

EvenLED™ from Martin Professional solves one of the oldest lighting challenges in television and theatre lighting – a perfectly uniform background of light.

The days of spending wasteful hours trying to achieve an evenly lit cyclorama or backdrop are over.

Bright, even and flicker free

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.

The unique cyclorama system enables fast and easy creation of static or dynamic backgrounds that simply were not possible before – extremely bright, perfectly even, absolutely flicker free!

Uncompromising color

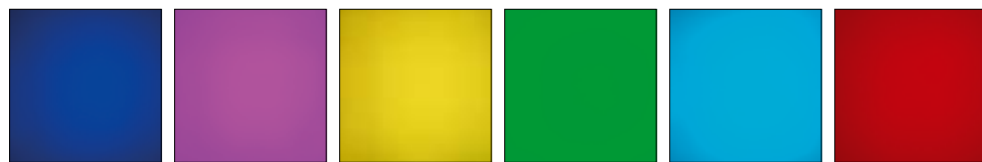
Each EvenLED module consists of evenly spaced and individually controlled 6-watt RGB LED pixels (16 pixels per m²). A very broad palette of colors from gentle tints to deep saturates is achievable with entirely even color distribution over the entire surface. The LED's round beam makes for extremely soft edge blending and a white gloss reflection surface diffuses and helps blend color even further.

Individual pixel control for greater creativity

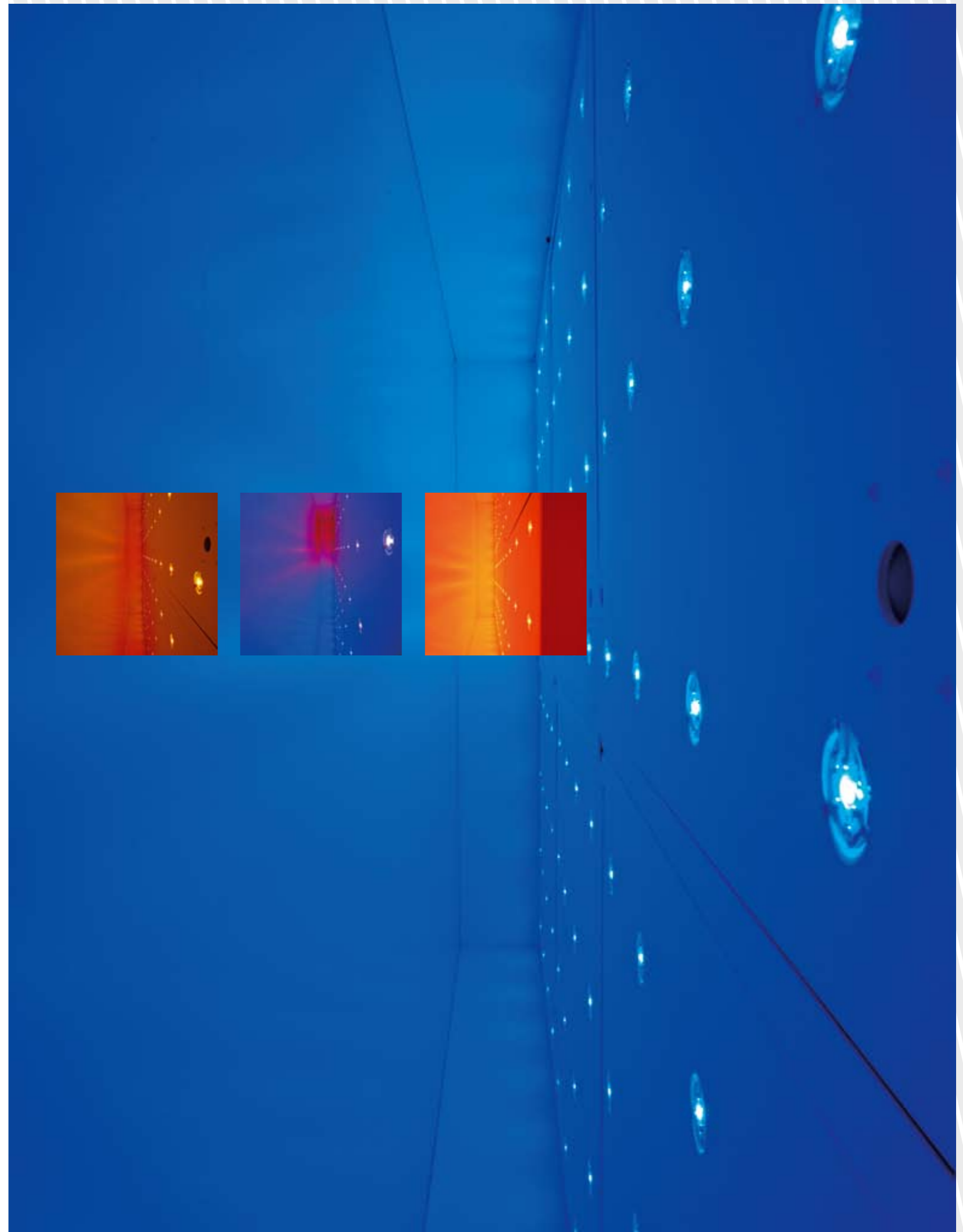
The possibility of individual control of each pixel makes for greatly expanded creative possibilities compared to traditional cyclorama systems. With each pixel under 16 bit control, EvenLED is capable of extremely smooth and step-free dimming right down to zero. There is none of the 'snap to black' effects typical of conventional LED fixtures. By driving segments of the EvenLED wall separately, all shades of color can be achieved over the height of the surface.



Extremely smooth, step-free dimming all the way to black



From deep saturates to light pastels - color distribution is completely even



EvenLED Advantage

The EvenLED system has practical as well as artistic advantages over traditional cyclorama systems.

Besides the benefits of much brighter and colorful cycs and backdrops with greater evenness of field and individual pixel control, EvenLED is a highly efficient and user-friendly system that saves time, hassle and money.

Low energy, no noise

Convection cooled for completely silent operation (no fans), EvenLED consumes less power than traditional cyclorama systems, and with less heat generated. The result is a lower operating cost, increased efficiency and a longer operational life time compared to conventional cyclorama lighting techniques.

No filter or lamp replacements

EvenLED is also exceptionally service friendly compared to conventional systems. Access is easy from both the front and back of each module, and unlike conventional solutions, no filter or lamp replacements are ever needed. The use of conservatively rated, high quality LEDs ensures reliable performance for many years.

Simple, flexible set up

Built tough for the rigors of touring, EvenLED's lightweight modular system is easy to handle, a breeze to assemble and simple to rig – even large systems are easily manageable.

A flexible hanging bracket makes the EvenLED system an easy to fly, and low power consumption together with daisy chained power and DMX means no bulky and heavy cable runs are needed.

Take back the backstage

The EvenLED panels can be positioned as close as 300-400 mm from any semi-transparent projection surface. Add in the short depth of the EvenLED panels and you'll be freeing up valuable backstage space compared to conventional solutions. Up to 10 modules can be flown vertically with an unlimited number arranged horizontally.

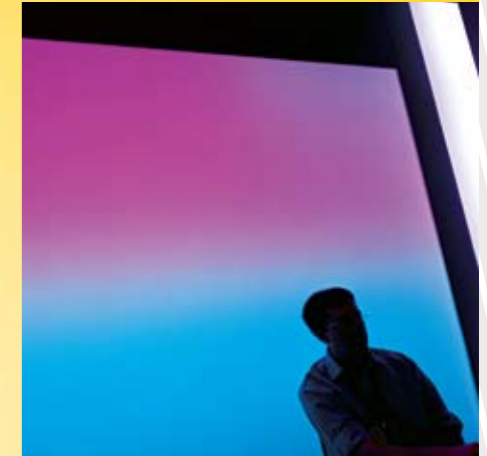
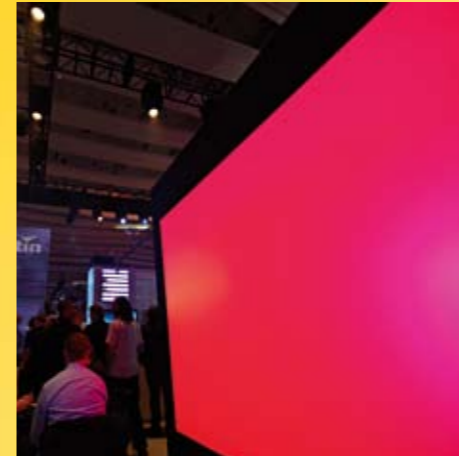
Control

The EvenLED system is controlled by DMX512 and features a self addressing system. Each panel uses 96 DMX channels but this can be reduced if individual pixel control isn't required. For manual address setting, the DMX Thief tool is available. Also available is an EvenLED Software Upload tool.



EvenLED is exceptionally service friendly compared to conventional systems. Easy to handle, access, assemble and rig, the lightweight modular system requires no filter or lamp replacements.

Daisy chained power and DMX means no bulky cable runs



Market Proven

EvenLED is a tried and tested system, having already been utilized to great effect in TV studios and theatres, on tours, in clubs and even in retail environments.

Application effects are many and include:

- Sharp silhouettes
- Color fades
- Power flashes
- Drifting shadows
- Multi-hued sunsets
- Morphing effects
- Shadow pulses
- Waves and gradations of color
- Skylines and borders
- Illuminated floors and walls
- TV & film chroma key backgrounds
- Moving images for creative video



Individual pixel control gives greater effects possibilities compared to traditional cyclorama systems

“It is the exceptional image that we are all striving to achieve. EvenLED can easily brand large surfaces with dynamic moving backgrounds.”

- Ali Wazani, Architect and Managing Director, Wazani & Associates

“We spent a very long time exploring every possible option but nothing really quite achieved what we needed to achieve in the space available, until we discovered EvenLED.”

- Rob Halliday, Lighting Designer

“It is probably the most remarkable LED product I’ve yet encountered. It offers an enormous palette of colors - each point individually controllable - and incredibly smooth fading. All in a modular form that is easy to set-up, and as a bonus it has relatively low power requirements compared to conventional cyc lighting techniques.”

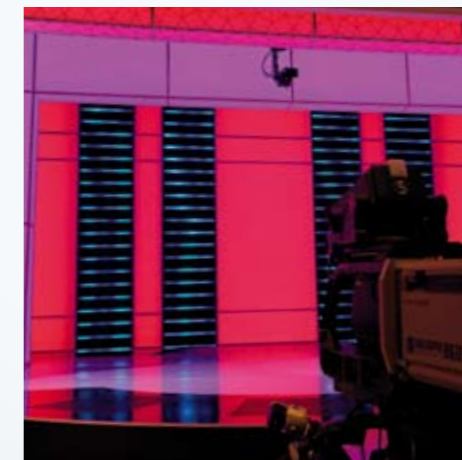
- Rob Halliday

“EvenLED moves cyc lighting into the 21st Century.”

- Dave Isherwood, Hire & Technical Director, White Light

“TV studios are asking for low heat, low energy consumption products, but still want brightness, beautiful colors and performance. EvenLED fulfills that brief perfectly.”

- Henrik Christensen, Lighting Designer



Téléthon 2009. Lighting designer: Frédéric DORIEUX



Specifications

Physical

Length:	995 mm (39.2 in.)
Width:	71 mm (2.8 in.)
Height:	1014 mm (39.9 in.)
Weight:	10 kg (22.0 lbs.)

Control and Programming

Control:	DMX
DMX channels:	96 per independently controlled panel
Control resolution:	16-bit control of each pixel
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 (9.8 in.)
Pixels per m ² :	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

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

Thermal

Cooling:	Convection
Maximum ambient temperature (T _a max.):	40° C (104° F)
Minimum ambient temperature (T _a min.):	5° C (41° F)
Maximum surface temperature, steady state, T _a =40° C (104° F):	80° C (176° F)
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 (pending):	UL 1573
Canadian safety (pending):	CAN/CSA E 60598-2-17

Included Items

User manual:	P/N 35000222
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Accessories

3 m (9.8 ft.) power cable, 12 AWG, SJT, with PowerCon NAC3FCA power input connector:	P/N 11541503
Neutrik PowerCon NAC3FCA power input connector, cable mount, blue:	P/N 05342804
Neutrik PowerCon NAC3FCB power output connector, cable mount, light grey:	P/N 05342805
PowerCon daisy-chain power cable, 1.4 m (4.6 ft.):	P/N 11850099
PowerCon daisy-chain power cable, 2.25 m (7.4 ft.):	P/N 11850100
PowerCon daisy-chain power cable, 3.25 m (10.7 ft.):	P/N 11850101
Six-unit flightcase for 6 x EvenLED, 1 x 1 m (3.3 ft.):	P/N 91515005

Ordering Information

EvenLED panel, 1 x 1 m (3.3 ft.):	P/N 90354500
EvenLED Hanging Bracket 1 m (3.3 ft.) wide:	P/N 91602011
EvenLED 'DMX Thief' Addressing Tool EU model:	P/N 90758096
EvenLED 'DMX Thief' Addressing Tool, US model:	P/N 90758098
EvenLED Software Upload Tool:	P/N 90758097

Martin Professional A/S

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Founded in 1986 and headquartered in Aarhus, Denmark, Martin Professional is a world leader in the creation of dynamic lighting solutions for the entertainment, architectural, and commercial sectors. Martin lighting solutions are industry standard on top tours and events, grace prestigious theatres, energize nightclubs, and decorate major television studios around the globe. The company operates the industry's most complete and capable distributor network with local partners in nearly 100 countries. For more information please visit www.martin.com



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