

Stagebar 2™



Beyond Bright!

Martin's versatile LED Stagebar 2 luminaire is bright ...yet so much more.

The Stagebar 2 powers out almost 10,000 lumens per meter, and with a tighter field of light 10 times the intensity of the predecessor Stagebar 54™, it's an extremely bright LED fixture. But that's just the beginning.

Color choice and consistency

Useful as an LED pixel bar for displaying imagery and video or as a wash luminaire for floodlighting surfaces and stages, the Stagebar 2 offers an outstanding color palette from an RGBAW color system.

A central feature of the Stagebar 2 is the ability to create exceptionally even and consistent colors. Each diode has been color calibrated, guaranteeing standardized brightness and color performance.

Advanced lens design

A new and advanced lens design provides a narrower, more concentrated field of light for better beam control and greater light intensity for overall improved floodlighting capability.

A choice of lens options, which includes an opal diffuser lens for scenic on-camera looks, provides designers with greater beam angle flexibility.

Responsive

Overall responsiveness has been improved for much faster color and intensity control.

Even quieter

In order to ensure the best possible lumen performance and diode longevity, on-demand fans from an automatic heat management system monitor and regulate cooling. In fact, fan noise in the Stagebar 2 has been reduced for the benefit of TV studios and other noise-sensitive environments.



Flexible control

The Stagebar 2 is controlled by industry standard DMX 512-A and is possible via four distinct control modes - RGB, RGBAW, HIS (Hue, Saturation, Intensity), and HSIC (Hue, Saturation, Intensity, Color Temperature). This gives the option of simple control or full comprehensive control when a designer needs it.

The Stagebar 2 also allows for individual pixels or groups of pixels to be controlled for increased design creativity.

Simple setup

The Stagebar 2 is an easy setup. Using 5-pin XLR and PowerCon connectors, it is simple to daisy chain both data and power, saving meters of cable spaghetti, and requires no external power supplies or additional cables and DMX boxes. A floor stand is available as an option.

A battery-powered control menu on each fixture lets users configure and address the units off-site, even when fixtures are not powered up. The mounting system allows for both truss and floor mounting and comes standard with Martin's Omega bracket. Additionally, cutouts in end profiles make horizontal fixture alignment easy and accurate.

Available in a short (420 mm, 16.5 in) or long (630 mm, 24.8 in) version, the Stagebar 2 is also lightweight at 5.5 or 7.3 kg (12.1 or 16.1 lbs.).

Overall simplicity

Rigorously tested and CE, ETL & CETL approved, the Stagebar 2 is built for simplicity. With an auto sensing switch mode power supply, simple lens and LED access, and an ergonomic construction that makes for fast and easy cleaning, the Stagebar 2 is as trouble-free as LED can be.



A floor stand is available as an option.



The color system mixes red, green, blue, amber and white for an extremely broad palette of colors.

A choice of lens options includes an opal diffuser lens for scenic on-camera looks.

Individual pixel control allows for increased design creativity.

Specifications Stagebar 2

Physical

Length: 420 mm (16.5 in.), Stagebar 2 S
Length: 630 mm (24.8 in.), Stagebar 2 L
Width: 190 mm (7.5 in.)
Height: 105 mm (4.1 in.)
Weight: 5.5 kg (12.1 lbs.) without bracket, Stagebar 2 S
Weight: 7.3 kg (16.1 lbs.) without bracket, Stagebar 2 L

Dynamic Effects

Color mixing: RGBAW
Red: 0 - 100%
Green: 0 - 100%
Blue: 0 - 100%
Amber: 0 - 100%
White: 0 - 100%

Control and Programming

Color control modes: RGBAW, RGB, HSI, HSIC
DMX channels: 3 - 30
Grouped pixel control options: 6 x 1 (individual), 3 x 2, 2 x 3 or 1 x 6 (all as one group) pixels
DMX address setting: Manual, auto addressing and auto address copy
Fixture setup: Onboard control panel with display
Display: Battery-powered backlit LCD, 2 x 16 characters
16-bit control (internal): RGBAW, RGB, HSI, HSIC
Protocol: USITT DMX512-A
Receiver: RS-485
Firmware update: Serial upload via DMX link

Photometric Data

Light source: Cree XP-E high power emitters
Total LED power per bar: 150 W
Even pitch across adjacent fixtures: Horizontal/vertical (Stagebar 2 L), horizontal (Stagebar 2 S)
Even pitch across adjacent fixtures:
Total output: 3650 lm

Construction

Color: Black
Housing: Steel and aluminum
Finish: Electrostatic powder-coated
Protection rating: IP20

Installation

Mounting points: Adjustable mounting bracket, 1/4-turn locks, four M6 threaded holes
Orientation: Any

Connections

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

Electrical

AC power: 100-240 V nominal, 50/60 Hz
Power supply unit: Integrated, auto-sensing multi-voltage
Power output fuse: 15 AT (slow blow)
Main fuse: 4 AT (slow blow)

Typical Power and Current

100 V, 50 Hz: 238 W, 2.5 A, PF 0.998
100 V, 60 Hz: 240 W, 2.5 A, PF 0.998
110 V, 60 Hz: 237 W, 2.3 A, PF 0.997
120 V, 60 Hz: 233 W, 2.1 A, PF 0.996
208 V, 60 Hz: 228 W, 1.2 A, PF 0.986
220 V, 50 Hz: 227 W, 1.1 A, PF 0.986
220 V, 60 Hz: 244 W, 1.3 A, PF 0.984
230 V, 50 Hz: 225 W, 1.1 A, PF 0.986
240 V, 50 Hz: 224 W, 1.0 A, PF 0.984

Figures apply to both S and L models with all LEDs at max. intensity. Measurements made at nominal voltage. Allow for a deviation of +/- 10%.

Thermal

Cooling: Filtered forced air (temperature-regulated, low noise)
Maximum ambient temperature (Ta max.): 40° C (104° F)
Minimum ambient temperature (Ta min.): 5° C (41° F)
Maximum surface temperature, steady state, Ta=40° C (104° F): 90° C (194° F)
Total heat dissipation (calculated, +/- 10%): 860 BTU/hr.

Licensing

Available under license from Color Kinetics Incorporated

Approvals

EU safety: EN 60598-2-17 (EN 60598-1), EN 62471
EU EMC: EN 55 015, EN 55 103-1, EN 55 103-2
US safety: ANSI/UL 1573
Canadian safety: CAN/CSA E598-2-17 (CAN/CSA E60598-1)

Included Items

Narrow diffuser film, Stagebar 2 S: P/N 41600130
Opal diffuser front, Stagebar 2 S: P/N 41704080
Narrow diffuser film, Stagebar 2 L: P/N 41600131
Opal diffuser front, Stagebar 2 L: P/N 41704060
Neutrik PowerCon NAC3FCA male input connector: P/N 05342804
Omega clamp attachment bracket with quarter-turn fasteners: P/N 91602001
User manual: P/N 35000250

Accessories

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
Narrow field diffuser (4 pcs) for Stagebar 2 S: P/N 91614035
Medium field diffuser (4 pcs) for Stagebar 2 S: P/N 91614036
Narrow field diffuser (4 pcs) for Stagebar 2 L: P/N 91614037
Medium field diffuser (4 pcs) for Stagebar 2 L: P/N 91614038
Adjustable floorstand/mounting bracket: P/N 71606007

Ordering Information

Stagebar 2™ S, RGBAW: P/N 90352070
Stagebar 2™ L, RGBAW: P/N 90352090

Martin Professional A/S Olof Palmes Allé 18 • 8200 Aarhus N • Denmark • Phone: +45 87 40 00 00 • Fax: +45 87 40 00 10 • www.martin.com

Founded in 1987 and headquartered in Aarhus, Denmark, Martin lighting solutions are industry standard on tours and events, theatres, nightclubs, and major television studios around the world, as well as indoor and outdoor architecture and commercial applications. We maintain a presence in the USA, UK, Germany, Denmark, France, Italy and Singapore with associated companies in Japan, the Middle East, Hong Kong and Argentina. We operate the industry's most complete and capable distributor network with local partners in nearly 100 countries. Martin's parent company, Schouw & Co, is an industrial conglomerate with 2009 revenue of approximately 1.5 billion USD. For more information please visit www.martin.com

©2011 Martin Professional A/S Images contained in this brochure have been converted to CMYK and are not necessarily representative of actual colors. Specifications are subject to change without notice

Martin[®]