



# Atomic 3000 LED

The Atomic™ 3000 LED is the perfect blend of a traditional strobe and cutting-edge LED technology. Capitalizing on the original Atomic™ 3000 DMX's 15 years of success, this new version features identical functionality and behaviour – with the added benefits of LED technology. It offers the same extreme brightness as its iconic predecessor, but with substantially lower peak power consumption.

The Atomic 3000 LED is not only a strobe, but also a creative tool that incorporates backlight illumination with RGB-controlled LEDs pointing into the reflector. It delivers stunning eye candy looks similar to the MAC Aura™ and the MAC Quantum™ Wash.

Internal FX macros and simplified re-use of the original Atomic Colors scroller complete the full-feature package and empower the Atomic 3000 LED to become the ultimate creative lighting tool.

Brightest LED-based strobe on the market

Unique RGB-controlled Aura backlight for stunning eye candy looks

Same look and feel as the original Atomic 3000 DMX

## GALLERY



## FEATURES

- Classic reflector look
- Iconic letterbox shape and industrial design
- Aura backlight (RGB) into reflector
- Dimmable house-light function at reduced brightness and power consumption
- LED and Xenon mode available via menu and DMX control channel
- Use of original Atomic color scroller made easy via internal power and data supply
- 4 button menu and LCD display for quick and easy setting adjustment
- Clever rigging and bracket solution
- 4 Channel DMX mode as Atomic 3000 (easy replacement)
- 14 Channel Extended DMX mode incl. Aura control and internal FX macros
- RDM compatible, USB port for software updates

## TECHNICAL SPECIFICATIONS

### Physical

Length: 245 mm (9.7 in.)

Width: 425 mm (16.8 in.)

Height: 240 mm (9.5 in.)

Weight: 7.8 kg (17.2 lbs.)

*All data including mounting bracket*

### Dynamic Effects

Strobe: 0.289 - 16.667 Hz, variable flash rate, intensity and duration

Special effects: Blinder, ramp up/down, random flash, lightning, spikes, pre-programmed FX

Aura (secondary LED array illumination) color mixing: RGB

### Control and Programming

Control systems: DMX, RDM

DMX channels: 3/4/14

Setting and addressing: Control panel with backlit monochrome graphic display

DMX compliance: USITT DMX512-A

RDM compliance: ANSI/ESTA E1.20 RDM  
Transceiver: RS-485  
Firmware update: USB memory key or via DMX with Martin™ M-DMX interface

Optics and Photometric Data  
Max. total output: 180 000 lumens\*

Beam (strobe) array  
Light source: 228 x Cree XLamp XP-L, 10 W white LEDs (color temperature 5700 K)  
Resolution: 8-bit  
Dimming, above 16.7% output intensity: Current-controlled, flicker-free  
Dimming, below 16.7% output intensity: PWM (refresh rate 6000 Hz)  
Minimum LED lifetime: 50 000 hours\*\*

Aura (backlight) array  
Light source: 64 x Osram RGB LEDs  
Resolution: 8 bits per color plus 8-bit dimming  
Dimming: PWM (refresh rate 1001 Hz)  
Minimum LED lifetime: 50 000 hours\*\*

*\*For full photometric data, click on Photometrics in menu bar*

*\*\*To >70% output, figure obtained under manufacturer's test conditions*

Construction  
Color: Black  
Housing: Steel, high-impact thermoplastic, flame-retardant to UL 94 5VA  
Protection rating: IP 20

Installation  
Mounting points: Two pairs of quarter-turn fastener points, M12 holes in adjustable bracket  
Orientation: Any  
Minimum distance to combustible materials: 200 mm (8 in.) from fixture  
Minimum distance to illuminated surfaces: 1 m (3 ft. 4 in.) from fixture  
Location: Indoor use only, must be fastened to structure or surface

Connections  
AC power: Neutrik PowerCON TRUE1 male socket  
DMX data in/out: 5-pin locking XLR  
Atomic Colors color gel scroller: 4-pin locking XLR  
Software upload: USB 2.0

Electrical  
AC power: 100-240 V~ nominal, 50/60 Hz  
Power supply unit: Auto-ranging electronic switch mode  
Maximum power consumption: 740 W  
Rated current consumption: 3.5 - 8.4 A  
Peak current consumption: 17.7 A  
Typical half-cycle RMS inrush current: 17.7 A

Typical Power and Current  
100 V, 60 Hz: 663 W, 6.8 A, PF 0.98  
120 V, 60 Hz: 655 W, 5.7 A, PF 0.96  
208 V, 60 Hz: 645 W, 3.5 A, PF 0.89  
230 V, 50 Hz: 642 W, 3.2 A, PF 0.88  
240 V, 50 Hz: 642 W, 3.1 A, PF 0.87

*Measurements made at nominal voltage with all LEDs at full strobe intensity. Allow for a deviation of +/- 10%. Allow for peak currents that exceed these figures when using the blinder effect. PF = power factor.*

Thermal  
Cooling: Forced air (temperature-regulated, low noise, user-definable fan settings)  
Maximum ambient temperature (Ta max.): 40° C (104° F)  
Typical heat dissipation (calculated, +/- 10%): 2270 BTU/hr.

Approvals  
EU safety: EN 60598-2-17 (EN 60598-1), EN 62471, EN 62493  
EU EMC: EN 55103-1, EN 55103-2, EN 55015, EN 61547  
US safety: UL 1573  
Canadian safety: CSA E598-2-17 (CSA E60598-1)  
Australia/NZ: RCM (pending)

#### Accessories

Optical accessories  
Atomic Colors gel scroller: P/N 91611086

Power cables  
Power input cable, H07RN-F, 2.5 mm2, 14 AWG, bare ends to Neutrik TRUE1 NAC3FX-W (female), 1.5 m (4.9 ft.): P/N 91611797  
Power input cable, H07RN-F, 2.5 mm2, 14 AWG, bare ends to Neutrik TRUE1 NAC3FX-W (female), 5 m (16.4 ft.): P/N 91611786

Power connectors  
Cable connector, Neutrik PowerCON TRUE1 NAC3FX-W (female): P/N 91611789

Installation hardware  
Half-coupler clamp: P/N 91602005  
G-clamp (vertical hanging installation only): P/N 91602003  
Quick trigger clamp (vertical hanging installation only): P/N 91602007

#### Related Items

Martin M-DMX (USB-DMX Interface Box for firmware uploads)  
Martin™ M-PC 2U incl. Martin™ M-DMX Interface Box and USB cable: P/N 90737070  
LightJockey™ and Martin™ M-PC Package incl. Martin™ M-DMX Interface Box, USB cable and Martin One-Key™ dongle: P/N 90737060

Data link splitter-amplifiers  
Martin DMX 5.3 Splitter™: P/N 90758140  
Martin RDM 5.5 Splitter™: P/N 90758150

Ordering Information  
Atomic 3000 LED™ in cardboard box: P/N 90425000



## ACCESSORIES



1,5m PowerCON  
TRUE1 pwr input  
cable 14 A  
P/N: 11541513



Atomic Colors for  
Atomic 3000  
P/N: 91611086



G-Clamp  
P/N: 91602003



Half-coupler  
clamp for Ø50  
P/N: 91602005



Omega bracket  
with 1/4 turn  
fasteners  
P/N: 91602001



POWER CABLE  
H07RN-F OPEN-  
TRUE1 1,50M  
P/N: 91611797



POWER CABLE  
H07RN-F OPEN-  
TRUE1 5,00M  
P/N: 91611786



POWER  
CONNECTOR  
POWERCON TRUE1  
FEMALE  
P/N: 91611789



SAFETY CABLE,  
60KG, BGV C1  
P/N: 91604006