Chroma-Q®

BRILLIANT SOLUTIONS

MADE IN
NORTH
AMERICA

Chroma-Q® Color One 100™

Above Par Performance From ONE Source

www.chroma-q.com/color-one

Chroma-Q®
Premium Performance
Lighting Solutions

Chroma-Q® have been designing lighting equipment since the mid 1990s, when they established a reputation for high product quality, innovation and reliability with hugely successful products.

LED Lighting

In 2004 Chroma-Q launched their first LED fixture, the Color Block DB4™ - a product so popular that it's still selling today in a newer incarnation with upgraded technologies.

Since then, Chroma-Q have gained a reputation for introducing award-winning, premium LED lighting solutions which deliver the highest performance levels required by today's most demanding applications - including concerts & theatre shows, film & TV broadcasts, retail, leisure & museum installations, exhibitions & corporate hospitality events.

This delivers the best possible creative experience and the maximum return on investment.

The impressive LED lineup includes colour-mixing and white lighting ranges, house lighting, modular, portable and automated solutions.

*V12 Phosphor -
Winner Lighting*

Other Products

Chroma-Q have an equally impressive track record developing a range of lighting accessory solutions, including colour changers, effects gobo rotators, and various control & data distribution products.

For more information on the full range, visit:

www.chroma-q.com

Contents

Worldwide Dealer Network

We have a worldwide network of Chroma-Q dealers. To find your local dealer, please visit

www.chroma-q.com/sales

Follow the new Chroma-Q Facebook page for access to breaking news, user application stories, photos & videos, competitions and much more!

facebook

Scan the QR code to follow us

Like   Chroma-Q on Facebook

Why Buy Chroma-Q®
Color One 100™ Fixtures?

Chroma-Q®
BRILLIANT SOLUTIONS

Utilising core LED technology from the Chroma-Q® premium performance lighting range, the Color One 100™ multi-purpose creative lighting tool is designed to deliver above Par performance from ONE source, for today's most demanding lighting applications.

High Quality Light Output

Smooth, Homogenised Optics

The Color One's custom optical design and fully homogenised output provides a smooth, uniform and defined beam, with outstanding colour blend across the spectrum and no unsightly colour separation shadows.

This makes the Color One ideal for use as a front and backlight with clean shadows, and an uplighter with a smooth, even beam - all from ONE source.

Power Across The Spectrum

The Color One's huge RGBA colour-mixing palette delivers outstanding colour blend across the spectrum - including deep-cold blues, red-hot lava looks and super-soft pastels - as well as a complete range of whites - all from ONE source.
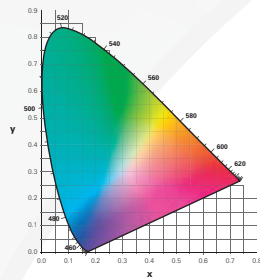
High CRI

With RGBA colour mixing providing a high CRI of 93, the fixture can achieve extremely accurate colour matching.

Bold saturates   *Subtle pastels*   *Clean whites*

Theatrical Grade Dimming

Theatrical grade dimming emulates the extremely smooth dimming curve of tungsten fixtures, from completely off to completely on, and with no visible stepping or jerkiness during the dimming.

## Multi-Purpose Workhorse Fixture

With the advanced feature set also including convection cooling for near-silent operation, a versatile mounting yoke for floor, truss or wall mounting, and a choice of IP20 / IP65* versions, the Color One 100 is suitable for numerous entertainment lighting applications - complementing the popular Chroma-Q Color Force™ and Inspire™ LED fixtures ranges.

Energy Efficient

The Color One fixture's energy-efficient LED design provides reduced maintenance and running costs.

Convenient Remote-Controlled Operation

With a simple to use Infra-Red remote control included with each fixture, you can be up and running within minutes without the requirement of a lighting console - saving time and labour with instant access to preset colours, on/off, dimming and effects.
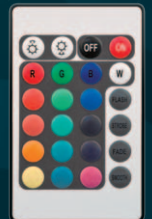
Compatible With
Industry-Standard Accessories

To enable maximum flexibility with users' existing production inventory, the Color One accepts industry-standard 6.25" accessories such as egg crates, barndoors and top hats. In addition, a range of compatible Chroma-Q accessories is also available.

Color One 100™ Fixture

A choice of IP20 & IP65 versions

The Color One 100 fixture is available in an IP20-rated version with standard chassis-mount powerCON and XLR 5-pin in/out, and a choice of two IP65-rated* versions - with trailing power leads & trailing data leads, or with trailing power leads & Stainless Steel XLR 5-pin in/out.

*As per IEC60529 ingress protection rating code.

Color One 100 Version Options

Product Code	CHCONE100RGBA	CHCONE100RGBAIPSS	CHCONE100RGBAIP
IP Rating	IP20	IP65	IP65
Power Connectors In/Out	powerCON	36" Trailing Leads with Bare Ends	36" Trailing Leads with Bare Ends
Data Connectors In/Out	XLR 5-pin	36" Trailing Leads with Stainless Steel XLR 5-pin	36" Trailing Leads with Bare Ends
Net Weight	3.8kg / 8.5lb	4.3kg / 9.5lb	4.3kg / 9.5lb
Shipping Weight	5.5kg / 12lb	6kg / 12.5lb	6kg / 12.5lb

Color One 100 Shared Technical Specification

Net Dimensions (Full Open Yoke)	214mm x 267mm x 232mm / 8.5" x 10.5" x 9"	Total LEDs	24
Shipping Dimensions	406mm x 228mm x 292mm / 16" x 9" x 11.5"	Control Modes	4 channels RGBA, 5 channels RGBAI, 4 channels HSI, 3 channels RGB, 3 channels MLED RGB, Master, Slave
Power Supply	Built-in		
Power Input Rating	100-240V AC 50-60Hz 125VA		
Power Factor	0.5	Dimming Curve	Theatrical
Typical Power & Current	Measurements done with all LEDs at maximum intensity. Measurements made at nominal voltage. Allow for a deviation of +/- 10%.	Effects Parameters	Flash, strobe, fade, smooth (via Wireless IR Remote)
		Hot Lumen Output (Combined)	1,230
Power Consumption	52W (Maximum); 5.5W (Standby)	Optics	Fully homogenised
Control Protocol	ANSI E1.11 USITT DMX 512-A	Beam Angle	20° as standard Optional 36° and 50° holographic lenses accessory kit
Cooling System	Convection		
Operating Temperature	0°C to 40°C		
Construction	Cast machined aluminium	Beam Distribution	Symmetrical direct illumination
Colour	Black (other custom colours available on request)	CCT	Adjustable 1,000 – 10,000K
		Colour Gamut	Performance enhanced
Built-In Hardware	Split Yoke, 6.25" Accessory Holder	CRI	93
Approvals	CISPR 15 / EN55015 & EN61547, FCC Part 15 Subpart B:2012 / ICES-003:2012, CSA C22.2, UL 1573, IEC 60598	Lamp Life	L70 at 50,000 hours
		Variable Effects Engine	Yes (via Wireless IR Remote)
		Accessories Included	Wireless IR Remote, Colour Frame
LED Engines	1	Optional Accessories	Egg Crate, Barndoor, Top Hat, 36° and 50° holographic lenses kit
LEDs Per Engine	6 x RGBA		

Color One 100 Lighting Applications

Worthing's Connaught Theatre has invested in Chroma-Q® Color One 100™ LED Pars, which made their debut beaming bright, primary colours for an all-star Christmas pantomime production of 'Aladdin'. The show featured singer Jon Lee of multi-million selling band 'S Club 7', alongside 'Britain's Got Talent' semi-finalists Kieran Sutcliffe and Sarah Jameson.

Photos by Mike Eddowes, scenery by Scenic Projects

Connaught Theatre, UK

The LED Pars were purchased for use in the venue's Studio Theatre, but made their debut in the main auditorium for the panto, to provide bright and comprehensive stage coverage.

"The main attraction of the Color One 100s for me was the excellent colour mixing and replication along with the decent lens," says Martin Wright, Senior Technician at The Connaught. "The bright primary colours are excellent, but it was the more subtle colours that truly impressed alongside almost no colour separation. For our production of Aladdin, the fixtures truly excelled, providing great stage coverage and complementing the rest of the rig really well."

Worthing Borough Council, which operates the Connaught under Worthing Theatres, were attracted by the Color One 100s as part of an effort to reduce the venue's energy consumption.

"I think the price to performance ratio is very good, and although there are cheaper LED fixtures available, for me the build quality just isn't anywhere near that of the Color One 100. And as a venue with very tight production time constraints, we can't afford to have units go down, so we chose the Chroma-Q units as we know they're reliable and simple to set up."

Martin Wright, Senior Technician - Connaught Theatre

The Boston University College of Fine Arts School of Theatre have utilised Chroma-Q® Color One 100™ LED Pars to provide outstanding colour and punch for their production of 'The Human Comedy', staged at the city's new 360-seat new state-of-the-art proscenium Virginia Wimberly Theatre, USA.

Photos © Boston University School of Theatre

Boston University, USA

Boston University lighting designer Brandon Bagwell, who is being tutored on the University's Master of Fine Arts Lighting Design program by Associate Professor (Lighting Design), Mark Stanley - the resident lighting designer for New York City Ballet and former resident LD at New York City Opera, used the Color One 100 LED par to sidelight the set, which included hanging

gears, clocks and musical instruments.

From the moment he turned them on for the first time, Brandon was in awe of the fixtures. He was impressed by their lumen output, colour-mixing spectrum and dimming.

"Their lumen output was on par if not exceeding that of, the mostly tungsten rig. This was even true in the most saturated colour produced by the unit."

He continues: "The Color One 100's dimming curve was excellent, there is no stepping in lower intensities and no annoying 'pop' on or off. Even with times of thirty seconds or higher, they did an amazing job of dimming."

Brandon also used the Chroma-Q Color Force 72™ battens to down light a layered canvas wall upstage.

"The colour engine in the Color One 100 is outstanding - it presents a designer with such a broad spectrum of colour and value that the combinations are endless. The spectrum even included subtle and elegant pastels which were a beautiful contrast to the vibrant, saturated colours the Chroma-Q line is so well-known for."

Brandon Bagwell, Lighting Designer - Boston University

Some of Northern Ireland's most prestigious opera and television projects have utilised the Chroma-Q® Color One 100™ LED Par after Belfast-based ACK Productions added the fixture to its rental inventory.

ACK Productions, UK

ACK Productions opened for business in 1991 and is a specialist hire company, installer, systems integrator and reseller, offering a wide range of theatrical equipment and services tailored to suit the needs of schools, theatres, venues and live events.

Owner, Alastair Kerr comments: "Lighting designers have historically not been interested in our LED Pars, but this has now changed as the technology has advanced."

"We've already hired out our Color One stock to West Side Story in the Grand Opera House, Belfast, and a gala dinner event at the Titanic Belfast building. In addition, they've been used on a Music From Northern Ireland TV show for BBC Northern Ireland and PBS (Public Broadcasting Service) in the USA."

The Chroma-Q Color One 100 features an innovative fully homogenised beam virtually eliminating the colour separation and shadows synonymous with LED lighting - delivering above Par performance from ONE source. The unit's optical design provides a smooth, uniform and defined beam. This makes it ideal for use as a front and backlight with clean shadows, and an uplighter with a smooth, even beam.

"I was immediately impressed with not only the intensity of the Color One 100s, but also the dimming curve, which was much more suited to the operas and musicals I was lighting, and other applications at this more technically discerning end of the market. I would definitely invest in more…"

Alastair Kerr, Owner - ACK Productions

Chroma-Q® Color One 100™ premium performance LED Pars are providing a rich palette of coloured stage washlighting to meet the diverse, multi-purpose needs of events hosted by The Ballroom, Hyndburn - including theatre-style live shows, dances, conferences, fashion shows and wedding receptions, amongst others.

The Ballroom, UK

The classic ballroom, which dates back to 1853, is located within Accrington Town Hall and run by Hyndburn Leisure working in partnership with Hyndburn Borough Council. It recently underwent a £750k respectful restoration to enhance its striking original features, as well as bring its technical facilities right up to date for hosting modern events.

When it came to upgrading The Ballroom's stage lighting rig, the venue wanted to invest in a state of the art, energy-efficient, colour-changing effects lighting system which would provide an impressive visual enhancement for singers, orchestras, and other live performers.

Chroma-Q Color One 100 LED Pars were specified to provide rock 'n' roll style washlighting over the stage, as well as effects lighting for the curved truss and legs running around the front of the performance area.

The fixture's innovative fully homogenised beam made it ideal for this project - providing a front light with clean shadows, and a downlighter with a smooth, even beam. In addition, the unit's extensive colour-mixing palette is ideal for the room's diverse clients.
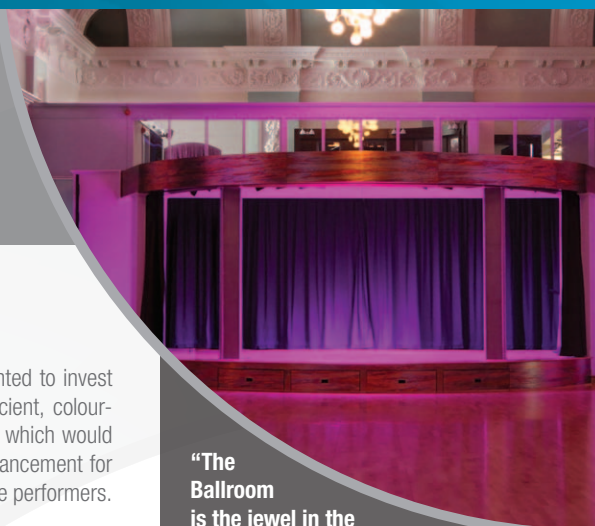
"The Ballroom is the jewel in the area's crown, so given the level of investment made to restore the room to its former glory, we wanted to invest in a high performance stage lighting system which would provide a visually impressive complement to the room's interior. The (Chroma-Q Color One) stage lighting is fantastic and delivers on everything we wanted."

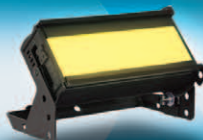*Kerry Smith, Cultural Services Manager - Hyndburn Leisure*