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KL Panel XL™: Full-color-spectrum LED soft light with muscle and multi-zone control

Broadcast designers of all types have been turning to Elation's color temperature-adjustable KL Panel™ for high-quality soft light illumination since it first hit the market in 2020. Quickly adopted as an ideal full-color-spectrum LED soft light, a new XL version of the broadcast-quality luminaire is now available that extends the size of the original while emitting nearly twice the power and offering multi-zone control for dynamic effects.

Broadcast environments require bright and highly variable lighting of very high quality for key-, fill- and backlight. The new KL Panel XL™ LED soft light delivers with superior output, precise color temperature control, full-spectrum color rendering and an even wash coverage. Optimized for the tunable white light requirements of film and television, it is an ideal soft light source for many situations requiring outstanding performance and color quality.



Beautiful soft white or full-color washes

Using a highly-efficient 544W RGBW+ Lime + Cyan LED Array, the KL Panel XL produces beautifully soft white or full-color washes up to 44,000 field lumens at a 100° half-peak angle. Color reproduction is extremely accurate both to the eye and to the camera with a CRI of 95 while color temperature is easily adjustable from 2,000 to 10,000K for a wide choice of variable color or white shade projections. Additional color tuning is possible through a green-shift adjustment and virtual gel library to more precisely match the white balance for the camera.

Multi-zone control

The KL Panel XL's LED array includes multi-zone control for dynamic color access, visually interesting eye-candy and realistic reproduction of effects like fire, lightning, emergency vehicle flashes or a variety of strobe effects.

Other useful design features



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Besides its wide spectrum of chromatic options, this dynamic soft light luminaire includes other useful design features like smooth 16-bit dimming and selectable dimming curve modes for programming ease, as well as a high-speed electronic shutter and strobe. Measuring 30.1 in/763.8 mm (L) x 12.05 in/306mm (H), a 4x2-section control option provides additional creative capabilities for color effects and visual impact. A diffuser is included for even softer projections as are adjustable and removable 8-leaf barn doors that allow for customized shaping of the beam and less light spill.

Fully optimized for broadcast

Virtually silent, the KL Panel XL is fully optimized for broadcast and film environments with 900-25000Hz LED refresh rate adjustment for flicker free operation. Compact and portable, it can be mounted on a stand or suspended using any standard clamp or the included Junior pin adapter. A rugged housing with impact-resistant surrounds and base plate ensure that the fixture can handle rough handling on today's fast-paced sets.

Power and control options

The KL Panel XL is fully self-contained without the need for an external power supply and offers power pass through for easy linking of multiple units. The fixture can be powered remotely through its integrated 4-pin XLR 24-36 VDC battery input (battery not included). Professional control options include DMX/RDM, Art-NET and sACN. It can also be controlled manually for stand-alone use using the included encoders and OLED display, providing instant control of intensity, color temperature, green shift and other settings. The display and encoders are conveniently positioned on the bottom of the fixture to ensure easy access while the fixture is mounted on a stand. The integration of Elation's E-FLY™ wireless DMX system allows for even more flexibility of use.

The KL Panel XL is energy efficient for such a bright soft light, consuming 544W of max power, and offers other benefits of LED like greater reliability, a long LED life rating and less maintenance for a lower cost of ownership.

About Elation Professional

Based in California with facilities in Florida and Mexico City, as well as European offices in The Netherlands, Elation designs and manufactures a comprehensive range of innovative lighting products known for its superior performance, excellent efficiency, and outstanding price:value ratio, all backed by a hard-earned reputation for Total Support. Elation also offers an advanced line of lighting control products through Obsidian Control Systems, as well as a full range of dependable specialty effects called Magmatic. Our mission has always been simple: to provide best-in-class products and service while offering the best value:performance ratio in the industry. Elation products continue to be a part of the industry's most exciting projects across the globe. We invite you to take a closer look at www.elationlighting.com

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