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## Luminis deliver large Elation KL lighting system for ultra-modern Bulgarian broadcast studio

**Nearly 450 broadcast-optimized KL series luminaires form heart of lighting system at new Nova Broadcasting Group complex**

Leading Bulgarian media company Nova Broadcasting Group recently opened an ultra-modern studio complex of nearly 17,000-square meters in the capital of Sofia. To ensure top-quality, professional illumination in the new facility's multiple studios, Nova Broadcasting Group worked with Elation distributor Luminis Ltd. on a broadcast-optimized lighting solution.



### **Nova Broadcasting Group**

Nova Broadcasting Group is one of the biggest multi-platform media and technology companies in Bulgaria, part of United Group, Southeast Europe's leading telecom and media operator. The new facility, designed for high-quality television and radio production of international standards, features five television studios, four radio studios, spacious equipment

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rooms, editing rooms and newsroom. The capacity of the new studio complex, unique for the Bulgarian media market, allows Nova Broadcasting Group to produce highly impactful content using the latest technologies.

### **Luminis Ltd**

Several years ago, Budapest-based Luminis Ltd. collaborated with a broadcast technology company called Rexfilm Ltd. on a significant project. Later, when Nova Broadcasting Group was looking for someone to manage the lighting for their new studio, Rexfilm Ltd. recommended Luminis for the job. Luminis was then tasked to deliver a comprehensive lighting solution including power distribution and lighting control network.



### **Elation across three studios**

Luminis worked with a local lighting designer on the specification and design of the system, which is made up of 202 [KL Fresnel 8 FCTM](#), 20 [KL Profile FCTM](#), 137 [KL PanelTM](#), and 89 [KL Panel XLTM](#) fixtures, along with 36 [Arena Zoom Q7IPTM](#). The lights are spread across a large 1000-square meter television studio plus two smaller studios of around 350 square meters each. Luminis installed the luminaires working with lighting personnel from Nova TV and programmed initial lighting scenes for the studio. Elation's Bulgarian distributor, Pro Audio Ltd, works with Luminis to provide local support when needed.



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### Fixture family

Péter Rábay of Luminis, who worked closely on the project for 18 months, says that the studio required soft lights, profile luminaires and Fresnel lights that would work with their state-of-the-art HD and 4K setup. “It was important that the lights be in the same family,” he explains. “In the past, with halogen lights and their more consistent color, it wasn’t that necessary that lights all be from the same family of fixtures. But now with LED, because their color engines can differ so much, it is more necessary.”

### KL Fresnel 8 FC

Due to the studio's high definition and 4K capabilities, as well as its numerous video walls and modern cameras, it was imperative to utilize luminaires with high output. Rábay states that the KL Fresnel 8 FC, which provides a total fixture lumen output of 18,000, was a wise choice as it offers additional lighting power when required. The fixture houses a 500W RGBMA LED engine with precise color temperature control, full spectrum color rendering and even wash coverage. It also includes a motorized zoom of 10 to 50 degrees and meets the strict standards of studios like Nova Broadcasting that are light critical and noise sensitive.



### KL Profile FC

Luminis first encountered the KL Profile FC ellipsoidal during the Prolight + Sound tradeshow in 2022 and were impressed with the fixture. With a 7 to 50-degree zoom, the fixture requires no additional lens tubes, reducing cost, complexity and providing excellent flexibility. They decided to order a demo to test it before presenting it to the client for consideration.

Rábay notes, “In the beginning, they were considering using different brands but after demoing and testing the KL Profile FC over several days, they absolutely agreed that it was very reliable and a good professional light with nice CRI and TLCI. They could see that it complements the KL Fresnel 8 FC very nicely as they both have RGBMA LED engines and they also commented that it looked like a quality-built product.”



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### **KL Panel**

When deciding on the KL Panel and KL Panel XL, Rábay says the main requirement was their color temperature changing flexibility while the LED softlight's green-shift adjustment was also deemed significant. The fact that they can project the full spectrum of colors was seen as a bonus, he says. Furthermore, the availability of various accessories, such as snapgrids and snapbags that allow for easy manipulation of the light, was also considered important.

### **Additional gear**

Additional to the rig are Arena Zoom Q7IP, full-color PAR fixtures that work nicely with the KL fixtures and allow the studio to forego renting fixtures in when hosting live performances. A further requirement was a simple yet reliable DMX/RDM splitter, a need fulfilled by Obsidian Control Systems' NETRON RDM6XL, which Rábay says are easy to work with and work very well. Some 114 RDM6XL splitters are used across the lighting control network.

The first of the new Nova Broadcasting Group television studios opened in late November in time for the FIFA World Cup and Rábay reports that the client has been absolutely thrilled ever since. The other studios, all of which are used for multiple programs such as news, current affairs, and sports shows, opened shortly thereafter.

### **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](http://www.elationlighting.com)

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