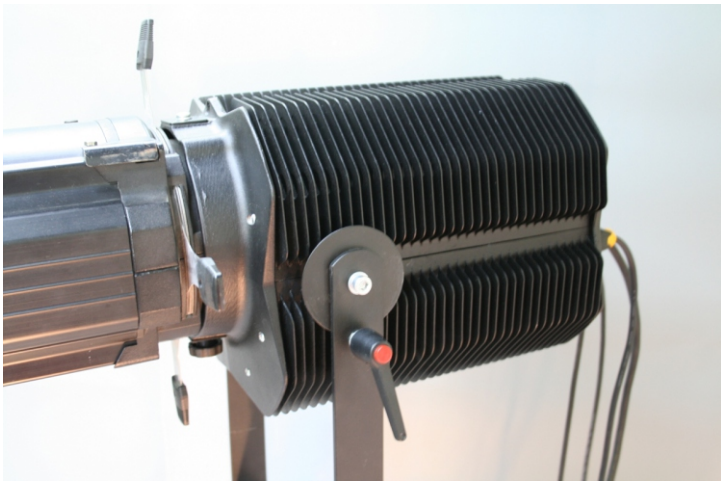


BACKBLOCK1 LED LIGHTING UNIT



- **LED retrofit unit for popular industry-standard lenses**
- **Red, green, royal-blue, PC-amber and warm-white color combination**
- **750W tungsten equivalent light output**
- **Completely silent fanless design, passive cooling**
- **Dust and splashproof all aluminum casing**
- **8 bits/16 bits smoothing, 4 types of control curves**
- **Maintenance free, no moving parts inside**

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NEXT LUMEN

Description:

Light source: 61 pieces Luxeon brand new series equal focal-length L1C1 and L1T2 LEDs in red, green, royal-blue, PC-amber and high CRI warm white combination.

Two-in-one light engine with high number of warm white LEDs eliminates any color shadows.

Optical system: All types of very popular standard lenses are easily fit to the unit. Optimized size of collimators and light concentrator condenser lenses. 2:1 Gaussian field distribution for equal illumination in the case of overlapped area between two closely positioned units.

Outgoing power: The use of high efficiency LEDs enables to reach 750W tungsten equivalent illumination level with only 200W power consumption.

Level control: 16 bits LED drivers with sophisticated computing algorithm using of square-law calculating and 8 bits to 16 bits smoothing. Separated channel for tungsten like fading emulation, fast and slow response. 4 types of increase/decrease characteristics: linear, square-law, S-curve and inverse square-law curves. Independent master channel.

Cooling: There is no fan in the unit. Outstanding passive cooling with heat pipes inside and light weight moulding construction with very thin large area cooling fins. Maximum ambient temperature is 35°C. Microprocessor-controlled temperature compensation ensures consistent colors in any operating environment. LED power shuts off gradually in the case of using the fixture out of its specified temperature range.

Housing: All aluminum moulding construction contains no plastic parts. IP64 protection level with waterproof connectors and long life sealings.

Power supply: 88-264V / 50-60 Hz switching power supply with built in PFC. Power consumption is 200W. Neutrik PowerCon True1 connectors.

Data input: DMX 512 using Neutrik XLR-HD connectors. 6 control channels.

Cleaning: Due to the splashproof design it requires no maintenance. There is no moving parts inside, it is a true solid state lighting. Only the front lens needs external dust removal time to time.

Operating position: May be used in any position. In worst case situation when the unit is in vertical position and all LEDs are on state and the environmental temperature above 30°C power deration is possible without complete switch-off.

Weight: 8.5 kg without lens tube.