LSS

Rackleuchte
LED luminaire for 19'' data and network cabinets

The LSS Rackleuchte is a lighting system specially developed for theatrical use of 19 " cabinets with data and network components. Each LSS Rackleuchte is equipped with white and blue light LEDs, which can either be switched directly on the device with a three-point switch or switched and dimmed via DMX from a console. The advantages of the DMX controlled white/blue light switchover are:

- Optical signal whether a rehearsal (white) or a performance (blue) is running on stage
- The light intensity of the LSS UGL is dimmable
- Comfortable and safe control by RDM

The LSS Rackleuchte is available in three designs, which differ only in the type of power supply and the DMX control. The following features are available:

Design / Feature	RL WB-P	RL WB-NP	RL WB-N
DMX control (dimmable, RDM ready)	Yes	Yes	No
Power supply by Power-DMX 24 V DC	Yes	Yes	No
Power supply 230 V AC	No	Yes	Yes
On-device white/blue light switching	Yes	Yes	Yes

Depending on the design, the LSS Rackleuchte is equipped with a Neutrik powerCON 20 A and always with a DMX-In and a DMX-THRU. In addition to the DMX signal, the DMX-THRU can also transfer the power supply to a subsequent device, thus supplying a total of up to five lights in series.

The LSS Rackleuchte can be operated with DMX control or autonomously. In autonomous operation, the luminaire is parameterized and set directly on the device. In addition to switching between white and blue light, the brightness of the luminaire can also be set manually to the percent.

The LSS Rackleuchte supports RDM following the ESTA standards ANSI E1.20 - 2010 and ANSI E1.37-1 - 2012. In the network, the light identifies itself as an RDM device with 1 root and 1...4 sub-devices. The root device is the device itself and the temperature sensor. Each sub-device corresponds to an LED channel. By default, blue and white light result in two sub-devices.

Technical specifications:

Blue LED	Radiant flux:	2,0 W
	Wavelength:	450 – 465 nm
	Stock, other LED / colors available on request.	
White LED	Luminous power:	ca. 1800 lm
	Color temperature:	optional 3000, 4000 or5000 K
	CRI:	≥ 80
	Stock, other LED / colors available on request.	

Connectors	DMX-In:	XLR, 4pin male, electrically isolated
	DMX-THRU:	XLR, 4pin female, electrically isolated
	230 V AC:	Neutrik powerCon® 20 A (RL WB-NP and RL WB-N only)
Power supply	Depending on design:	24 V DC PowerDMX and / or 230 V AC
	If device supports both power supplies, PowerDMX has priority!	
Power consumption	Netzbetr:	RL WB-N max. 0,06 A RL WB-NP max. 0,11 A
	Power-DMX:	max. 1,1 A
IP Code/Appliance classes	RL WB-P:	IP20/Class III
	RL WB-NP/-N:	IP20/Class I

Operating temperature	0 °C – 40 °C, non-condensend
Case	Blue powder-coated aluminum sheet
RoHS	Approval

Weight	RL WB-P:	1 kg
	RL WB-NP:	1,2 kg
	RL WB-N:	1,3 kg
Dimension (W x H x D)	Total housing:	483 x 44 x 134 mm 19 '' rack system, 1 U
	Overhang lamp:	40 mm
Order number/Design	DMX/Power-DMX:	L01016 RL WB-P
	DMX/both power supply:	L01017 RL WB-NP
	230 V AC only:	L01018 RL WB-N