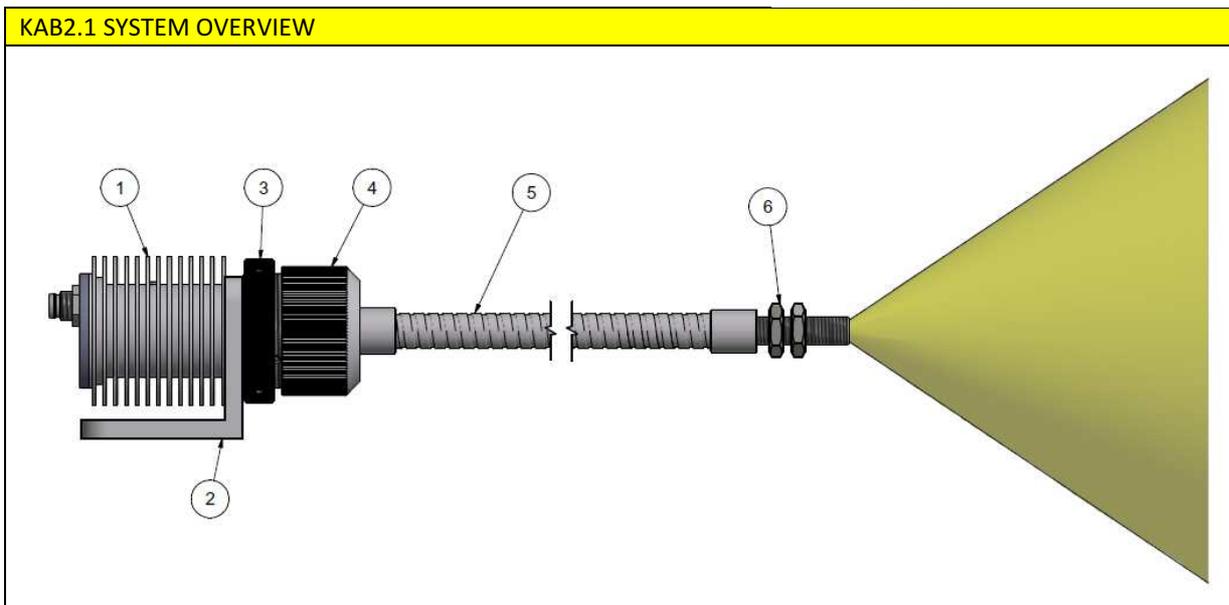


KAB2.1 LED FIBRE LIGHT SOURCE

FOR FIBRE LIGHT GUIDES



KAB2.1 SYSTEM OVERVIEW

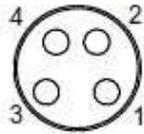
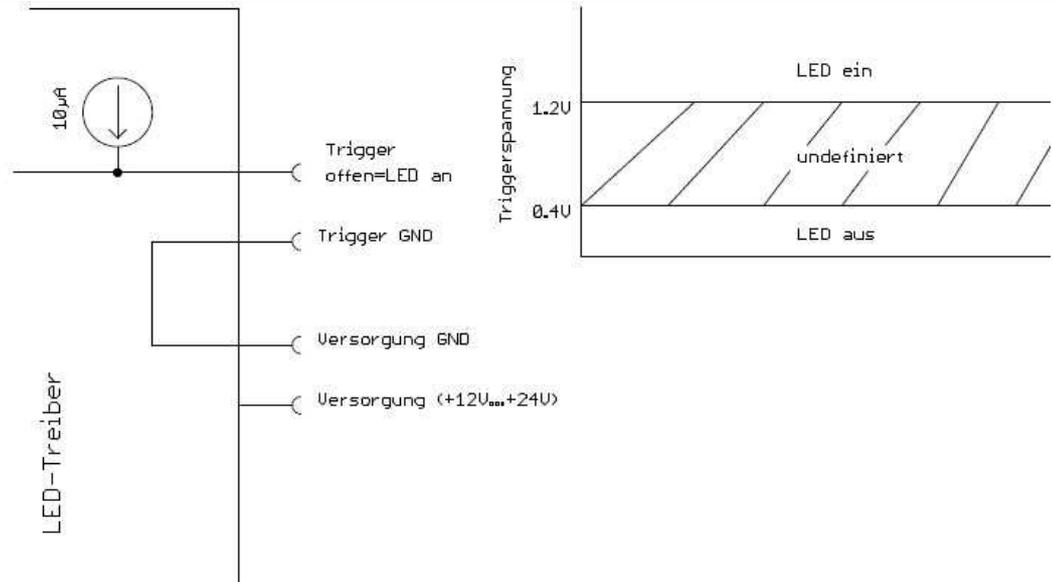


KAB2.1 SYSTEM OVERVIEW- LIST

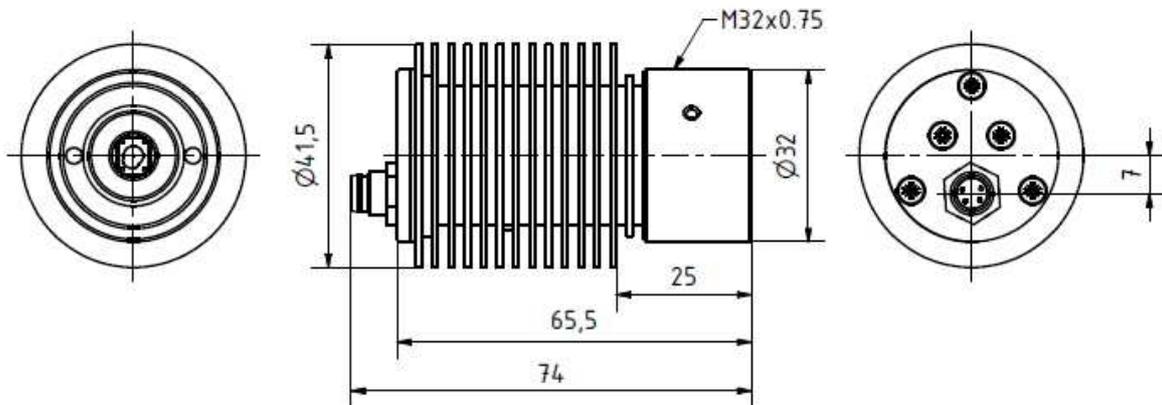
List No.	Order No.	Title
1	See list of types	KAB2.1 LED fibre- light- source
2	234282	Mounting angle
3	234280	Mounting angle screw nut
4	234277	Fibre light guide cap nut
5	See list of types	KAB2.1 fibre light guide
6	212466	M8x1 hex-nut

TYPES OF FIBRE LIGHT SOURCES

Order Number	Type	Led Color	Wavelength, Kelvin
234351	KAB2.1 24VDC- 470	BLUE	470nm
234350	KAB2.1 24VDC- 528	TRUE GREEN	528nm
234349	KAB2.1 24VDC- 590	AMBER	590nm
234283	KAB2.1 24VDC- 632	RED	632nm
234352	KAB2.1 24VDC- 860	IR	860nm
234345	KAB2.1 24VDC- 6500K	WHITE	6500K

ELECTRICAL INFORMATION		
Power supply	24VDC \pm 2%	
Power consumption (at 24V)	4.4W	
Supply Ripple Voltage	$\leq V_s \pm 5\%$	
Reverse Battery Protection	Yes	
Triggerable	Yes	
Trigger Voltage	12VDC to 40VDC	
Max. Trigger Frequency	25KHz	
Dimmable	10-100% at housing	
Lighting casing temperature, Operating after 60 minutes in continuous mode < 45°C lighting casing temperatur at 24°C ambient temperatur		
ADDITIONALS		
Additional Cooling Method	Attached to machine part for better heat dissipation	
Life span in continuous mode	>20.000h (drop to 50% intensity) at 25°C	
Life span in strobe light mode	Est. >50.000h (drop to 50% intensity) at 25°C	
CE Conformity	Yes	
RoHS	Yes	
Storage Temperature Range	Temp 0-35°C, Humidity 20-85%	
ISO 9001:2008	Registration Number: (AT-)01677/0	
LED SPECIFICATION		
Light emission Active \varnothing OUT	Max. \varnothing 6mm for fibre light guides	
LED Package	High Power SMD	
Aperture	$\pm 10^\circ$ (NA ca. 0.18) homogenous	
Eye Safety (EN 62471:2008)	On Request	
CONNECTION		
Connector Type	M8, 4 pin (Male)	RS Components P/N: 290-6382
Connector M8, 4 pin (Male) 	Pin	Pin assignment
	1	+24V
	2	+Trigger
	3	0V
	4	0V Trigger
Equipment cable 1.5m	M8, 4 pin (Female)	RS Components P/N: 648-5328
		

DIMENSIONS

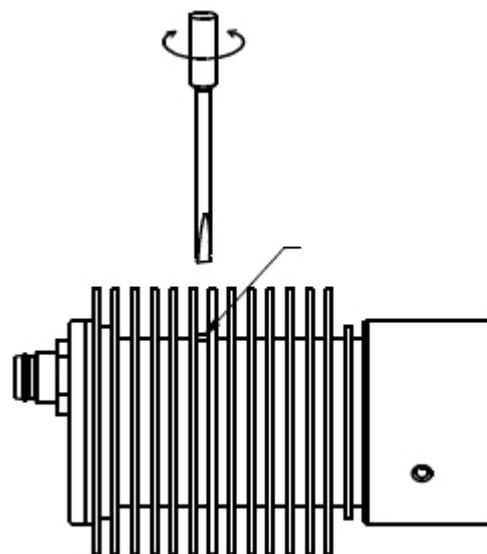
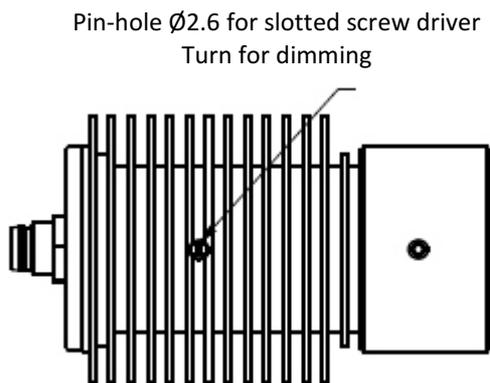


MECHANICAL

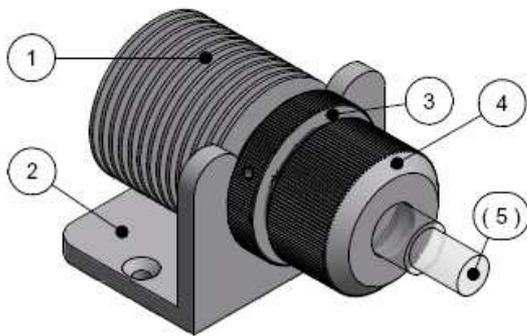
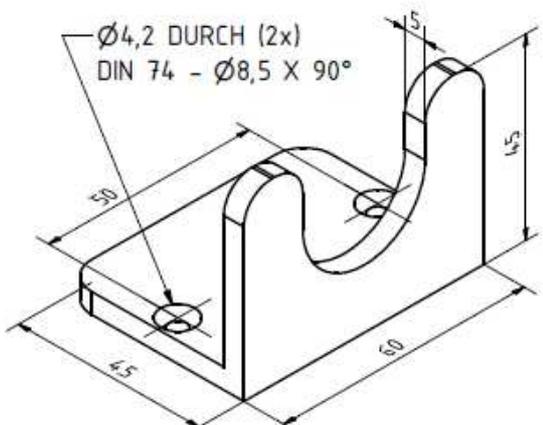
Casing Material	Aluminium, black anodized
Dimensions ØxH	Ø41.5x74mm
Weight	110g
Storage Temperature Range	Temp 0-35°C, Humidity 20-85%
Operating conditions	temperature: -10° to +37° C relative air humidity: 5 - 90%
IP Rating	IP 50

DIMMING

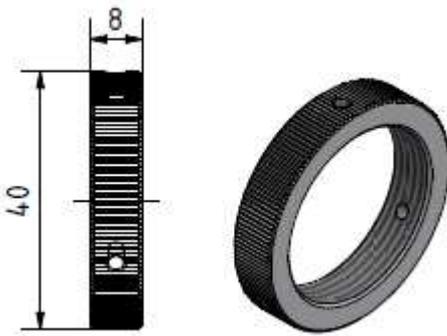
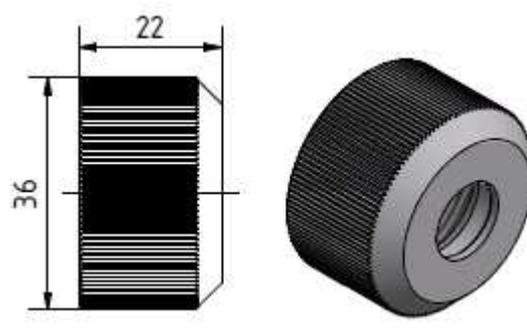
Turn for dimming



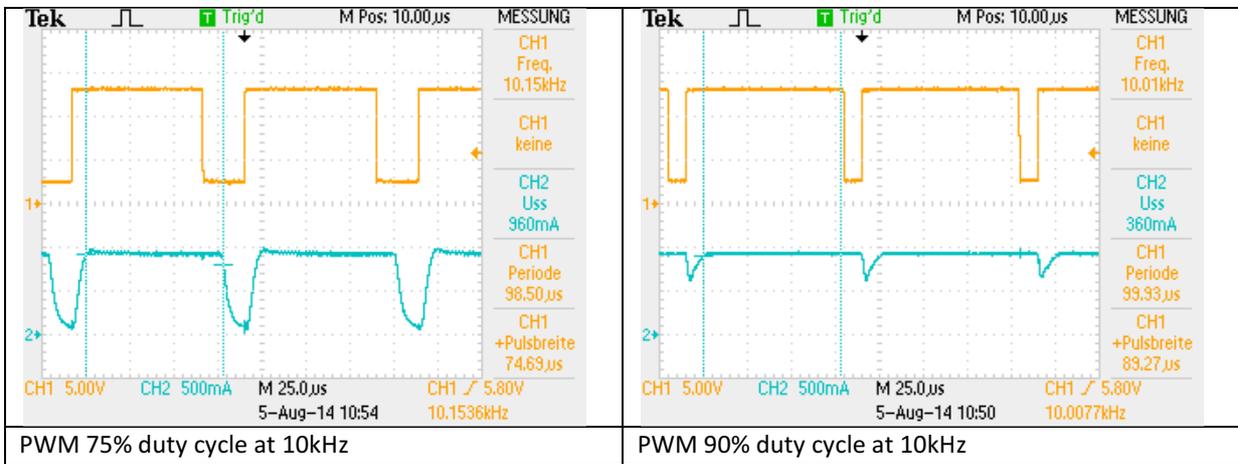
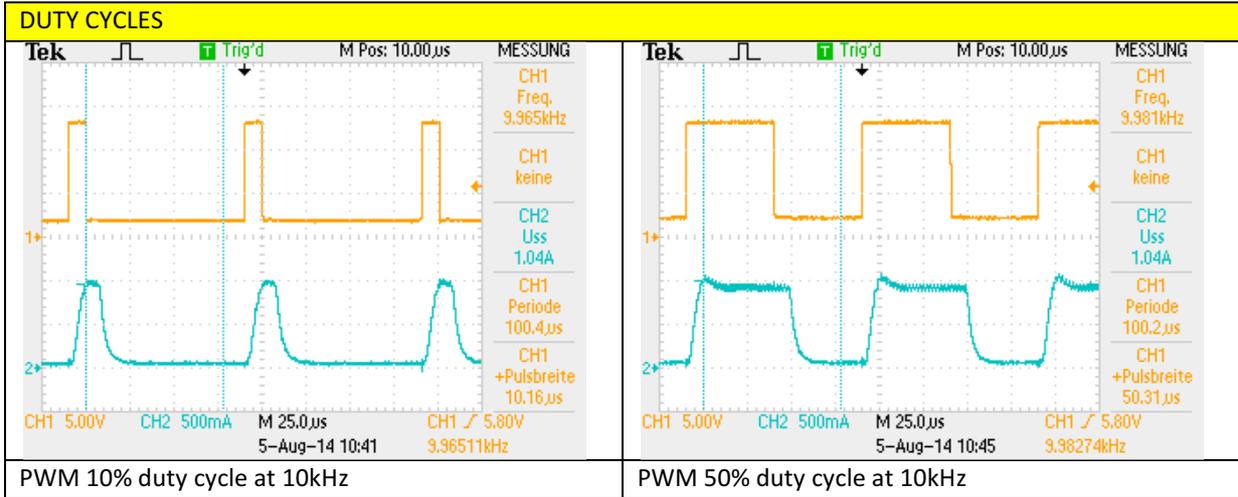
ON REQUEST: 3D-CAD, DXF-DRAWINGS, PDF-DRAWINGS

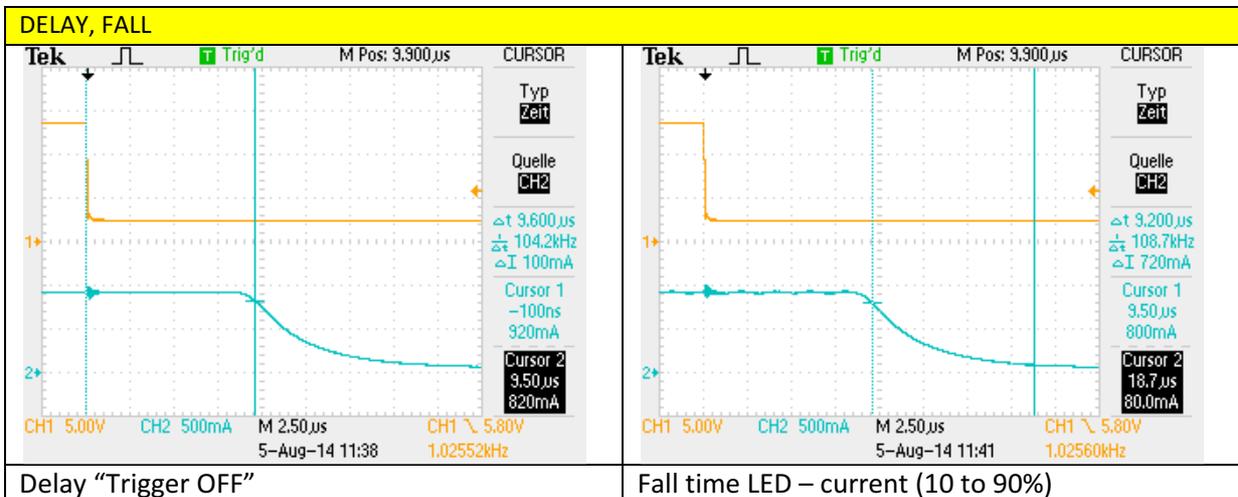
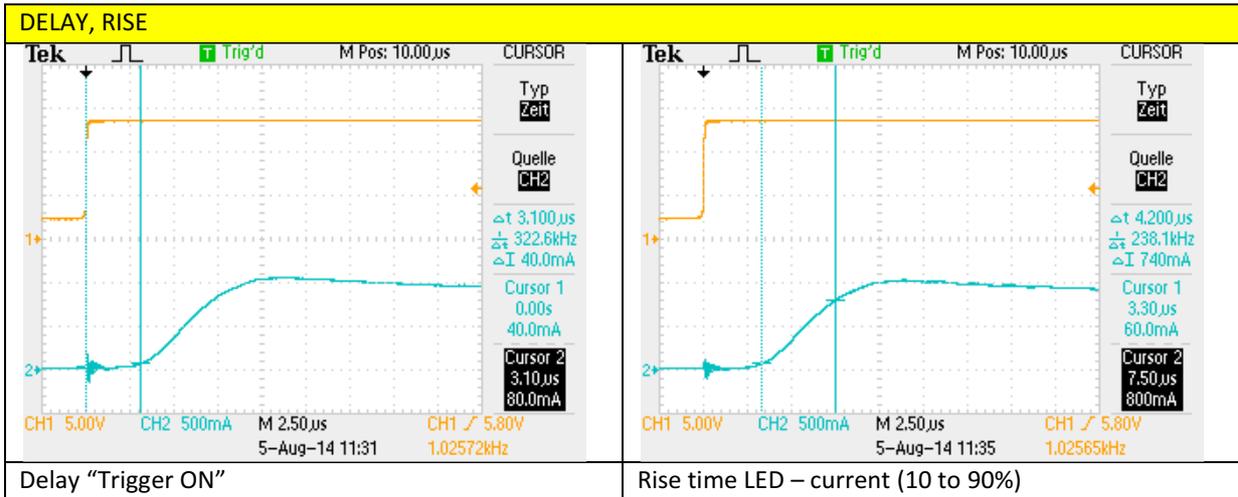
EQUIPMENT OVERVIEW	MOUNTING ANGLE
	

EQUIPMENT LIST		
No.	Specification	Order Number
1	KAB2.1 Fibre light source	See types of KAB2.1
2	Mounting angle	234282
3	Counter nut	234280
4	Light guide cap nut	234277
(5)	Light guide, fiberoptic on request	

COUNTER NUT	LIGHT GUIDE CAP NUT
	

MOUNTING ANGLE	
Casing Material	Aluminium, black anodized
Dimensions LxBxH	45x60x45mm, material 5mm
Weight	56g
MOUNTING SCREW NUT	
Casing Material	Aluminium, black anodized
Dimensions ØxL	Ø40x8mm
Weight	9g
LIGHT GUIDE CAP NUT	
Casing Material	Aluminium, black anodized
Dimensions ØxL	Ø36x22mm, innert Ø13.5mm
Weight	23g





RANGE OF PRODUCTS ON REQUEST	
Mountable	light guides, needles, rings, lines
Light emission Active Ø OUT	Max. Ø6mm
Fibre types	Glass, quartz

ON REQUEST: 3D-CAD, DXF-DRAWINGS, PDF-DRAWINGS

! We reserve the right to modify technical data/specifications of the product described at any time without previous notification. During compilation the manual we worked with the greatest precision and care. Though there may arise deviations as a result of later product modifications. Please contact us, if you need more information or detailed specifications.

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