

Coaxial light ES40 - Technical data



- LED Coaxial light for continuous / pulse operation
- active light field 40 mm x 40 mm
- 36 high performance 5 mm LEDs
- applicable as a coaxial, homogeneous illumination
- integrated illumination controller
- brightness can be regulated internally (potentiometer) or externally with a VC analogue input
- robust industrial model, Aluminium casing, IP40
- drag chain cable

Model	Colour / Wavelength (nm)	Operating voltage UB (V)	Operating current I (A) / 24 V
ES40-R	red / 625	10 - 30	0,2
ES40-W	white / x=0,31 y=0,31	10 - 30	0,2
ES40-B	blue / 470	10 - 30	0,2
ES40-G	green / 525	10 - 30	0,2

625
x=0,31 y=0,31
470
525

CONTINUOUS

PULSE

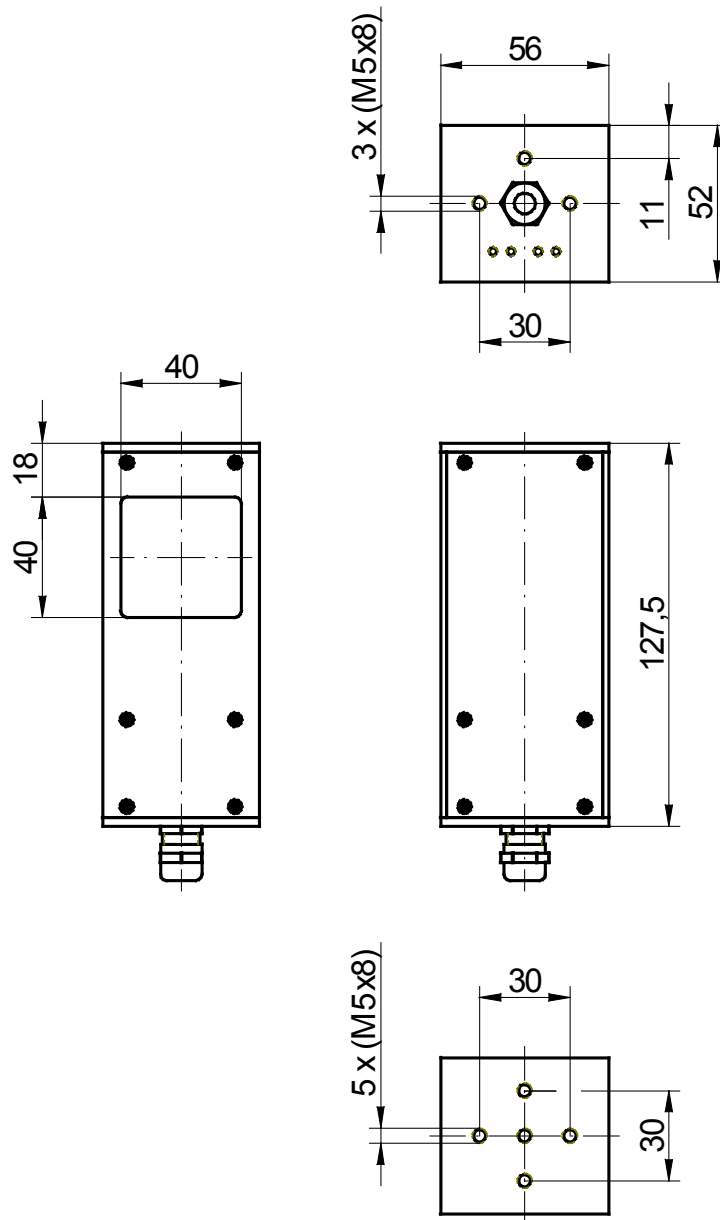
FLASH

i
 CONTROLLER
 INSIDE

Operation mode	continuous / pulse	Switching works over the operation voltage or VC analogue input with up to 30 V DC
Brightness regulation	Potentiometer / VC	Potentiometer 0 - 100 % (deactivated on VC - models) VC brightness regulation 0 - 100 % when connected to a voltage of 1 - 10 V DC on the VC analogue input (only the VC - model >>> observe the order data)
Operation temperature	0 - 45 °C / 32 - 113 °F	
Weight	0,45 kg	
Protection class	IP 40	
Connection cable	1,5 m	drag chain cable, bending radius at least 72 mm

Wiring		
brown	+10...30 V DC	+ Operating voltage (max. 30 V)
white	GND	GND Operating voltage
yellow	+1...10 V DC	VC analogue input brightness regulation / pulse
green (green/yellow)	earth	earth connection

Coaxial light ES40 - Technical drawing



Coaxial light ES40 - Order data

Composition of the product name

Model	Diffusor	Illumination colour	Brightness regulation	Trigger	Flash time
SQ / CRC/...	ALK - incident light, clear screen	R - red	VC - VC analogue input active	PLC	10...100 µs
	ALD - incident light, diffused, satin screen	IR - infrared	free - Potentiometer active	TTL	20...220 µs
	ALF - incident light fresnel lens (f=100 mm)	W - white			
	DL - transmitted light, highly diffused, white screen	B - blue			
	POL - polarisation filter	G - green			
		UV - ultraviolet			

ES40	
Product number	Product name
11.82.001	ES40-R
11.82.002	ES40-R/VC
11.82.003	ES40-W
11.82.004	ES40-W/VC
11.82.005	ES40-B
11.82.006	ES40-B/VC
11.82.007	ES40-G
11.82.008	ES40-G/VC