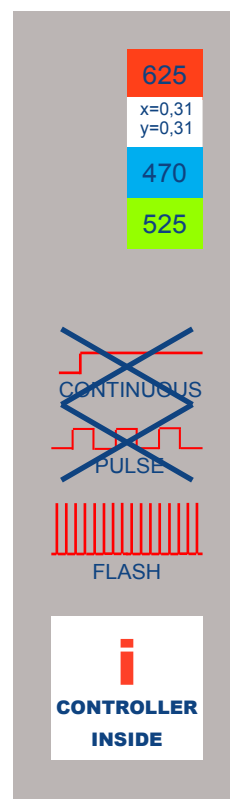


Coaxial flash light ES40FL - Technical data



- LED Coaxial light for flash operation
- active light field 40 mm x 40 mm
- 36 high performance 5 mm LEDs
- applicable as a coaxial, homogeneous incident illumination
- integrated illumination controller
- brightness can be regulated internally (potentiometer) or externally with a VC analogue input
- adjustable flash times up to 220 µs
- different trigger modes
- robust industrial model, Aluminium casing, IP40
- drag chain cable

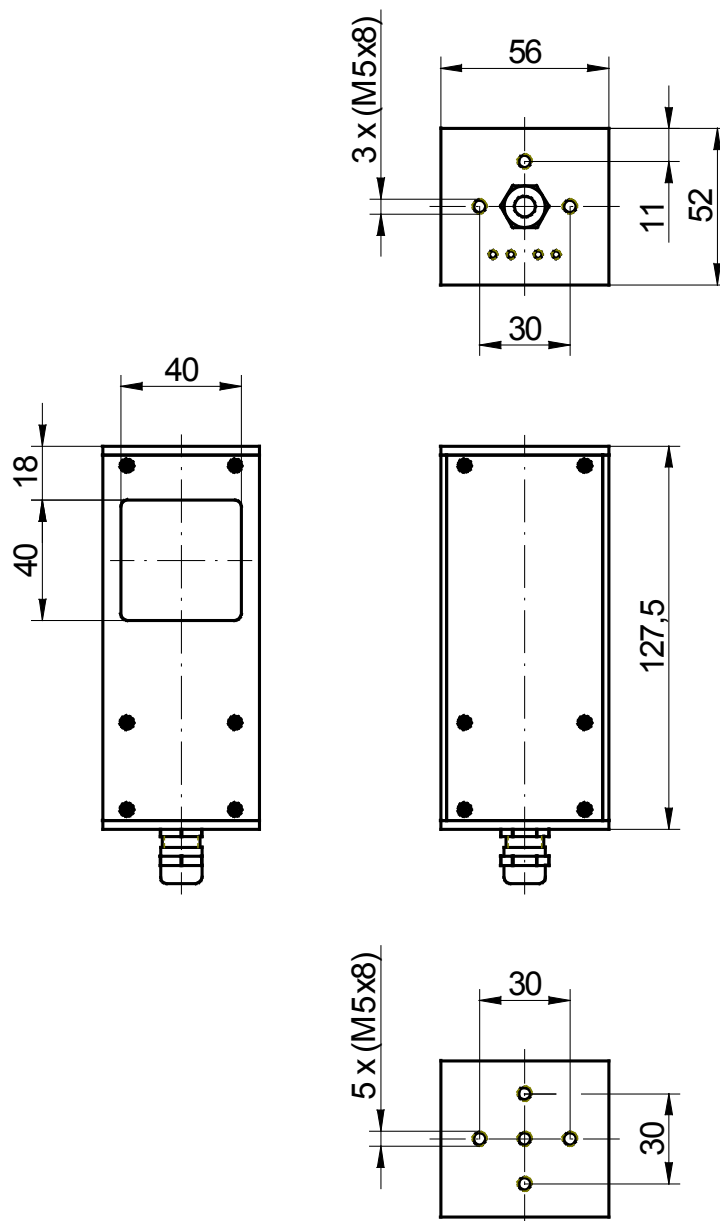
Model	Colour / Wavelength (nm)	Operating voltage UB (V)	Operating current I (A) / 24 V
ES40FL-xxx-R	red / 625	10 - 30	0,3
ES40FL-xxx-W	white / x=0,31 y=0,31	10 - 30	0,3
ES40FL-xxx-B	blue / 470	10 - 30	0,3
ES40FL-xxx-G	green / 525	10 - 30	0,3



Operation mode	Flash	
Trigger modes	TTL / PLC	TTL: rising slope at trigger input, min. 2,8 V DC, max. 30 V DC PLC: rising slope at trigger input, min. 15 V DC, max. 30 V DC
Flash times	10 - 100 µs / 20 - 220 µs	adjustable with the potentiometer, max. flash frequency 100 Hz or 35 Hz
Brightness regulation	Potentiometer / VC	Potentiometer 0 - 100 % (deactivated on VC - models) VC brightness regulation 0 - 10 % 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
green (green/yellow)	earth	earth connection
pink	+ Trigger	TTL / PLC, rising slope
blue	- Trigger	GND Trigger

Coaxial flash light ES40FL - Technical drawing



Coaxial flash light ES40FL - 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			

ES40FL	
Product number	Product name
11.83.001	ES40FL-R/SPS-100
11.83.002	ES40FL-R/TTL-100
11.83.003	ES40FL-R/VC/SPS-100
11.83.004	ES40FL-R/VC/TTL-100
11.83.005	ES40FL-R/SPS-220
11.83.006	ES40FL-R/TTL-220
11.83.007	ES40FL-R/VC/SPS-220
11.83.008	ES40FL-R/VC/TTL-220
11.83.009	ES40FL-W/SPS-100
11.83.010	ES40FL-W/TTL-100
11.83.011	ES40FL-W/VC/SPS-100
11.83.012	ES40FL-W/VC/TTL-100
11.83.013	ES40FL-W/SPS-220
11.83.014	ES40FL-W/TTL-220
11.83.015	ES40FL-W/VC/SPS-220
11.83.016	ES40FL-W/VC/TTL-220
11.83.017	ES40FL-B/SPS-100
11.83.018	ES40FL-B/TTL-100
11.83.019	ES40FL-B/VC/SPS-100
11.83.020	ES40FL-B/VC/TTL-100
11.83.021	ES40FL-B/SPS-220
11.83.022	ES40FL-B/TTL-220
11.83.023	ES40FL-B/VC/SPS-220
11.83.024	ES40FL-B/VC/TTL-220
11.83.025	ES40FL-G/SPS-100
11.83.026	ES40FL-G/TTL-100
11.83.027	ES40FL-G/VC/SPS-100
11.83.028	ES40FL-G/VC/TTL-100
11.83.029	ES40FL-G/SPS-220
11.83.030	ES40FL-G/TTL-220
11.83.031	ES40FL-G/VC/SPS-220
11.83.032	ES40FL-G/VC/TTL-220