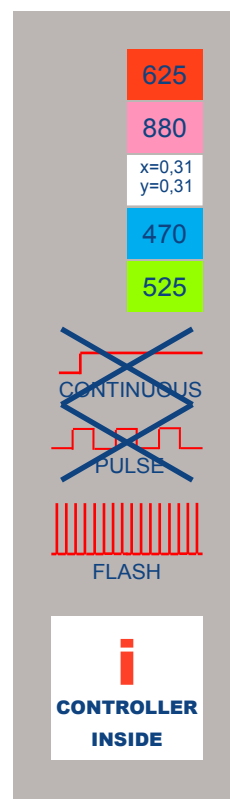


Ring Flash light CRC50FL - Technical data



- LED Ring light for flash operation
- light field diameter 36 mm - 78 mm
- 80 high performance 5 mm LEDs
- applicable as a clear, diffused, polarised or focusing 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
- portable connection cable

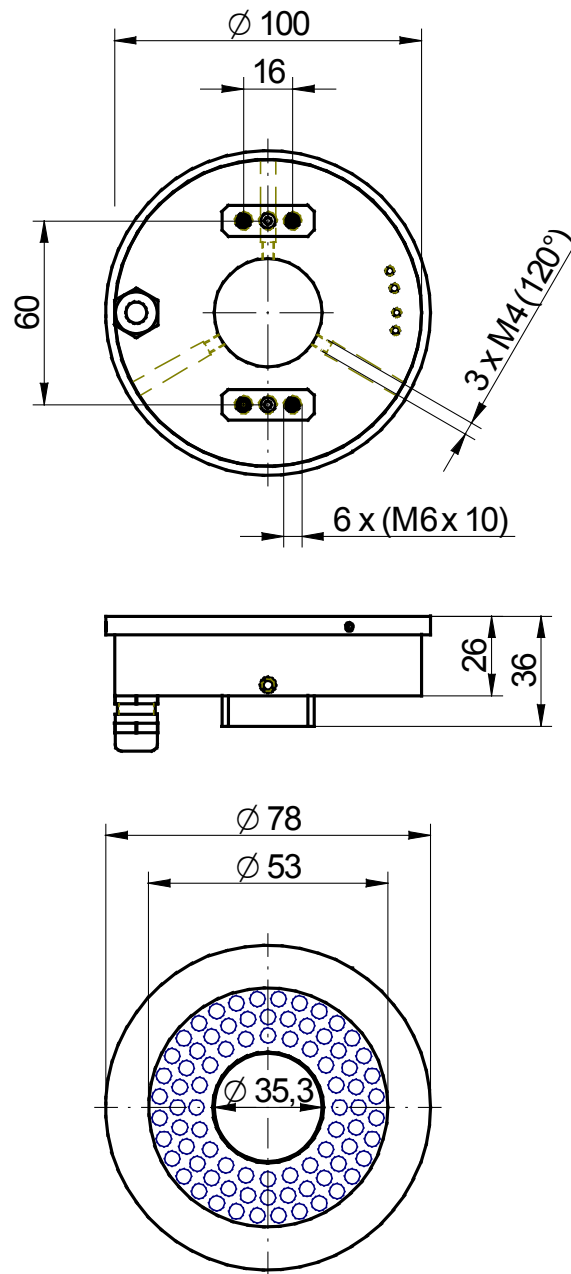
Model	Colour / Wavelength (nm)	Operating voltage UB (V)	Operating current I (A) / 24 V
CRC50FL-xxx-R	red / 625	10 - 30	0,4
CRC50FL-xxx-IR	infrared / 880	10 - 30	0,5
CRC50FL-xxx-W	white / x=0,31 y=0,31	10 - 30	0,5
CRC50FL-xxx-B	blue / 470	10 - 30	0,5
CRC50FL-xxx-G	green / 525	10 - 30	0,5



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	0,3 kg	
Protection class	IP 40	
Connection cable	1,5 m	portable, 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
pink	+ Trigger	TTL / PLC, rising slope
blue	- Trigger	GND Trigger

Ring Flash light CRC50FL - Technical drawing



Fastening possibilities:

- clamp on camera neck via 3 x M4 set screw
- fastening socket

Ring Flash light CRC50FL - 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			

CRC50FL-ALK clear incident screen	
Product number	Product name
11.31.001	CRC50FL-ALK-R/SPS-100
11.31.002	CRC50FL-ALK-R/TTL-100
11.31.003	CRC50FL-ALK-R/VC/SPS-100
11.31.004	CRC50FL-ALK-R/VC/TTL-100
11.31.005	CRC50FL-ALK-IR/SPS-100
11.31.006	CRC50FL-ALK-IR/TTL-100
11.31.007	CRC50FL-ALK-IR/VC/SPS-100
11.31.008	CRC50FL-ALK-IR/VC/TTL-100
11.31.009	CRC50FL-ALK-W/SPS-100
11.31.010	CRC50FL-ALK-W/TTL-100
11.31.011	CRC50FL-ALK-W/VC/SPS-100
11.31.012	CRC50FL-ALK-W/VC/TTL-100
11.31.013	CRC50FL-ALK-R/SPS-220
11.31.014	CRC50FL-ALK-R/TTL-220
11.31.015	CRC50FL-ALK-R/VC/SPS-220
11.31.016	CRC50FL-ALK-R/VC/TTL-220
11.31.017	CRC50FL-ALK-IR/SPS-220
11.31.018	CRC50FL-ALK-IR/TTL-220
11.31.019	CRC50FL-ALK-IR/VC/SPS-220
11.31.020	CRC50FL-ALK-IR/VC/TTL-220
11.31.021	CRC50FL-ALK-W/SPS-220
11.31.022	CRC50FL-ALK-W/TTL-220
11.31.023	CRC50FL-ALK-W/VC/SPS-220
11.31.024	CRC50FL-ALK-W/VC/TTL-220
11.31.032	CRC50FL-ALK-B/SPS-100
11.31.033	CRC50FL-ALK-B/TTL-100
11.31.034	CRC50FL-ALK-B/VC/SPS-100
11.31.035	CRC50FL-ALK-B/VC/TTL-100
11.31.036	CRC50FL-ALK-G/SPS-100
11.31.037	CRC50FL-ALK-G/TTL-100
11.31.038	CRC50FL-ALK-G/VC/SPS-100
11.31.039	CRC50FL-ALK-G/VC/TTL-100
11.31.040	CRC50FL-ALK-B/SPS-220
11.31.041	CRC50FL-ALK-B/TTL-220
11.31.042	CRC50FL-ALK-B/VC/SPS-220
11.31.043	CRC50FL-ALK-B/VC/TTL-220
11.31.044	CRC50FL-ALK-G/SPS-220
11.31.045	CRC50FL-ALK-G/TTL-220
11.31.046	CRC50FL-ALK-G/VC/SPS-220
11.31.047	CRC50FL-ALK-G/VC/TTL-220

CRC50FL-ALD diffused, satin incident screen	
Product number	Product name
11.31.101	CRC50FL-ALD-R/SPS-100
11.31.102	CRC50FL-ALD-R/TTL-100
11.31.103	CRC50FL-ALD-R/VC/SPS-100
11.31.104	CRC50FL-ALD-R/VC/TTL-100
11.31.105	CRC50FL-ALD-IR/SPS-100
11.31.106	CRC50FL-ALD-IR/TTL-100
11.31.107	CRC50FL-ALD-IR/VC/SPS-100
11.31.108	CRC50FL-ALD-IR/VC/TTL-100
11.31.109	CRC50FL-ALD-W/SPS-100
11.31.110	CRC50FL-ALD-W/TTL-100
11.31.111	CRC50FL-ALD-W/VC/SPS-100
11.31.112	CRC50FL-ALD-W/VC/TTL-100
11.31.113	CRC50FL-ALD-R/SPS-220
11.31.114	CRC50FL-ALD-R/TTL-220
11.31.115	CRC50FL-ALD-R/VC/SPS-220
11.31.116	CRC50FL-ALD-R/VC/TTL-220
11.31.117	CRC50FL-ALD-IR/SPS-220
11.31.118	CRC50FL-ALD-IR/TTL-220
11.31.119	CRC50FL-ALD-IR/VC/SPS-220
11.31.120	CRC50FL-ALD-IR/VC/TTL-220
11.31.121	CRC50FL-ALD-W/SPS-220
11.31.122	CRC50FL-ALD-W/TTL-220
11.31.123	CRC50FL-ALD-W/VC/SPS-220
11.31.124	CRC50FL-ALD-W/VC/TTL-220
11.31.125	CRC50FL-ALD-B/SPS-100
11.31.126	CRC50FL-ALD-B/TTL-100
11.31.127	CRC50FL-ALD-B/VC/SPS-100
11.31.128	CRC50FL-ALD-B/VC/TTL-100
11.31.129	CRC50FL-ALD-G/SPS-100
11.31.130	CRC50FL-ALD-G/TTL-100
11.31.131	CRC50FL-ALD-G/VC/SPS-100
11.31.132	CRC50FL-ALD-G/VC/TTL-100
11.31.133	CRC50FL-ALD-B/SPS-220
11.31.134	CRC50FL-ALD-B/TTL-220
11.31.135	CRC50FL-ALD-B/VC/SPS-220
11.31.136	CRC50FL-ALD-B/VC/TTL-220
11.31.137	CRC50FL-ALD-G/SPS-220
11.31.138	CRC50FL-ALD-G/TTL-220
11.31.139	CRC50FL-ALD-G/VC/SPS-220
11.31.140	CRC50FL-ALD-G/VC/TTL-220

Ring Flash light CRC50FL - 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			

CRC50FL-ALF	
Product number	Product name
11.31.201	CRC50FL-ALF-R/SPS-100
11.31.202	CRC50FL-ALF-R/TTL-100
11.31.203	CRC50FL-ALF-R/VC/SPS-100
11.31.204	CRC50FL-ALF-R/VC/TTL-100
11.31.205	CRC50FL-ALF-IR/SPS-100
11.31.206	CRC50FL-ALF-IR/TTL-100
11.31.207	CRC50FL-ALF-IR/VC/SPS-100
11.31.208	CRC50FL-ALF-IR/VC/TTL-100
11.31.209	CRC50FL-ALF-W/SPS-100
11.31.210	CRC50FL-ALF-W/TTL-100
11.31.211	CRC50FL-ALF-W/VC/SPS-100
11.31.212	CRC50FL-ALF-W/VC/TTL-100
11.31.213	CRC50FL-ALF-R/SPS-220
11.31.214	CRC50FL-ALF-R/TTL-220
11.31.215	CRC50FL-ALF-R/VC/SPS-220
11.31.216	CRC50FL-ALF-R/VC/TTL-220
11.31.217	CRC50FL-ALF-IR/SPS-220
11.31.218	CRC50FL-ALF-IR/TTL-220
11.31.219	CRC50FL-ALF-IR/VC/SPS-220
11.31.220	CRC50FL-ALF-IR/VC/TTL-220
11.31.221	CRC50FL-ALF-W/SPS-220
11.31.222	CRC50FL-ALF-W/TTL-220
11.31.223	CRC50FL-ALF-W/VC/SPS-220
11.31.224	CRC50FL-ALF-W/VC/TTL-220
11.31.225	CRC50FL-ALF-B/SPS-100
11.31.226	CRC50FL-ALF-B/TTL-100
11.31.227	CRC50FL-ALF-B/VC/SPS-100
11.31.228	CRC50FL-ALF-B/VC/TTL-100
11.31.229	CRC50FL-ALF-G/SPS-100
11.31.230	CRC50FL-ALF-G/TTL-100
11.31.231	CRC50FL-ALF-G/VC/SPS-100
11.31.232	CRC50FL-ALF-G/VC/TTL-100
11.31.233	CRC50FL-ALF-B/SPS-220
11.31.234	CRC50FL-ALF-B/TTL-220
11.31.235	CRC50FL-ALF-B/VC/SPS-220
11.31.236	CRC50FL-ALF-B/VC/TTL-220
11.31.237	CRC50FL-ALF-G/SPS-220
11.31.238	CRC50FL-ALF-G/TTL-220
11.31.239	CRC50FL-ALF-G/VC/SPS-220
11.31.240	CRC50FL-ALF-G/VC/TTL-220

POL additional integrated polarising filter foil (not for IR)	
Product number	Product name
11.31.900.04	integrated polarising filter foil for the CRC50FL