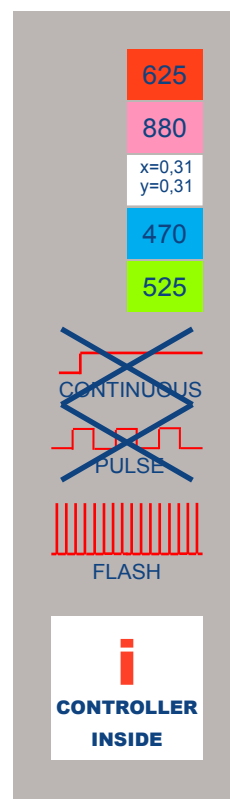


Ring Flash light CRC70FL - Technical data



- LED Ring light for flash operation
- light field diameter 66 mm - 118 mm
- 128 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
- drag chain cable

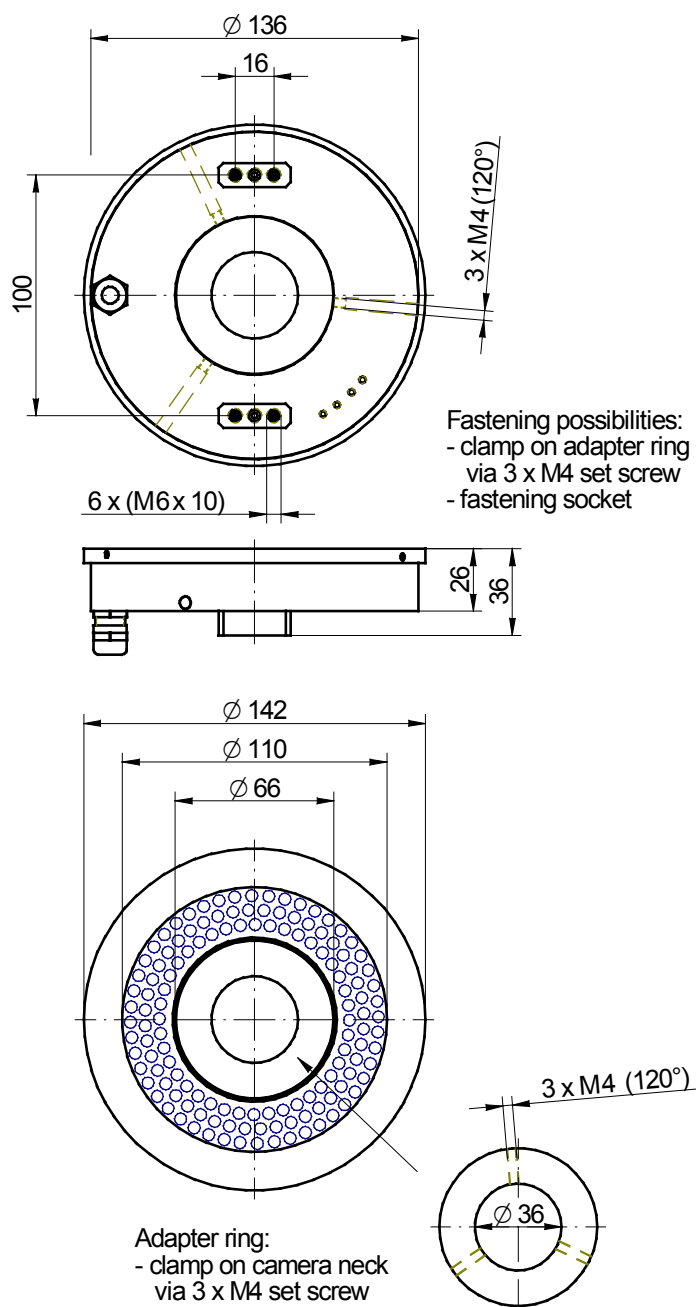
Model	Colour / Wavelength (nm)	Operating voltage UB (V)	Operating current I (A) / 24 V
CRC70FL-xxx-R	red / 625	10 - 30	0,8
CRC70FL-xxx-IR	infrared / 880	10 - 30	1,0
CRC70FL-xxx-W	white / x=0,31 y=0,31	10 - 30	1,0
CRC70FL-xxx-B	blue / 470	10 - 30	1,0
CRC70FL-xxx-G	green / 525	10 - 30	1,0



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	0,55 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
pink	+ Trigger	TTL / PLC, rising slope
blue	- Trigger	GND Trigger

Ring Flash light CRC70FL - Technical drawing



Ring Flash light CRC70FL - 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			

CRC70FL-ALK clear incident screen	
Product number	Product name
11.30.001	CRC70FL-ALK-R/SPS-100
11.30.002	CRC70FL-ALK-R/TTL-100
11.30.003	CRC70FL-ALK-R/VC/SPS-100
11.30.004	CRC70FL-ALK-R/VC/TTL-100
11.30.005	CRC70FL-ALK-IR/SPS-100
11.30.006	CRC70FL-ALK-IR/TTL-100
11.30.007	CRC70FL-ALK-IR/VC/SPS-100
11.30.008	CRC70FL-ALK-IR/VC/TTL-100
11.30.009	CRC70FL-ALK-W/SPS-100
11.30.010	CRC70FL-ALK-W/TTL-100
11.30.011	CRC70FL-ALK-W/VC/SPS-100
11.30.012	CRC70FL-ALK-W/VC/TTL-100
11.30.013	CRC70FL-ALK-R/SPS-220
11.30.014	CRC70FL-ALK-R/TTL-220
11.30.015	CRC70FL-ALK-R/VC/SPS-220
11.30.016	CRC70FL-ALK-R/VC/TTL-220
11.30.017	CRC70FL-ALK-IR/SPS-220
11.30.018	CRC70FL-ALK-IR/TTL-220
11.30.019	CRC70FL-ALK-IR/VC/SPS-220
11.30.020	CRC70FL-ALK-IR/VC/TTL-220
11.30.021	CRC70FL-ALK-W/SPS-220
11.30.022	CRC70FL-ALK-W/TTL-220
11.30.023	CRC70FL-ALK-W/VC/SPS-220
11.30.024	CRC70FL-ALK-W/VC/TTL-220
11.30.025	CRC70FL-ALK-B/SPS-100
11.30.026	CRC70FL-ALK-B/TTL-100
11.30.027	CRC70FL-ALK-B/VC/SPS-100
11.30.028	CRC70FL-ALK-B/VC/TTL-100
11.30.029	CRC70FL-ALK-G/SPS-100
11.30.030	CRC70FL-ALK-G/TTL-100
11.30.031	CRC70FL-ALK-G/VC/SPS-100
11.30.032	CRC70FL-ALK-G/VC/TTL-100
11.30.033	CRC70FL-ALK-B/SPS-220
11.30.034	CRC70FL-ALK-B/TTL-220
11.30.035	CRC70FL-ALK-B/VC/SPS-220
11.30.036	CRC70FL-ALK-B/VC/TTL-220
11.30.037	CRC70FL-ALK-G/SPS-220
11.30.038	CRC70FL-ALK-G/TTL-220
11.30.039	CRC70FL-ALK-G/VC/SPS-220
11.30.040	CRC70FL-ALK-G/VC/TTL-220

CRC70FL-ALD diffused, satin screen	
Product number	Product name
11.30.101	CRC70FL-ALD-R/SPS-100
11.30.102	CRC70FL-ALD-R/TTL-100
11.30.103	CRC70FL-ALD-R/VC/SPS-100
11.30.104	CRC70FL-ALD-R/VC/TTL-100
11.30.105	CRC70FL-ALD-IR/SPS-100
11.30.106	CRC70FL-ALD-IR/TTL-100
11.30.107	CRC70FL-ALD-IR/VC/SPS-100
11.30.108	CRC70FL-ALD-IR/VC/TTL-100
11.30.109	CRC70FL-ALD-W/SPS-100
11.30.110	CRC70FL-ALD-W/TTL-100
11.30.111	CRC70FL-ALD-W/VC/SPS-100
11.30.112	CRC70FL-ALD-W/VC/TTL-100
11.30.113	CRC70FL-ALD-R/SPS-220
11.30.114	CRC70FL-ALD-R/TTL-220
11.30.115	CRC70FL-ALD-R/VC/SPS-220
11.30.116	CRC70FL-ALD-R/VC/TTL-220
11.30.117	CRC70FL-ALD-IR/SPS-220
11.30.118	CRC70FL-ALD-IR/TTL-220
11.30.119	CRC70FL-ALD-IR/VC/SPS-220
11.30.120	CRC70FL-ALD-IR/VC/TTL-220
11.30.121	CRC70FL-ALD-W/SPS-220
11.30.122	CRC70FL-ALD-W/TTL-220
11.30.123	CRC70FL-ALD-W/VC/SPS-220
11.30.124	CRC70FL-ALD-W/VC/TTL-220
11.30.125	CRC70FL-ALD-B/SPS-100
11.30.126	CRC70FL-ALD-B/TTL-100
11.30.127	CRC70FL-ALD-B/VC/SPS-100
11.30.128	CRC70FL-ALD-B/VC/TTL-100
11.30.129	CRC70FL-ALD-G/SPS-100
11.30.130	CRC70FL-ALD-G/TTL-100
11.30.131	CRC70FL-ALD-G/VC/SPS-100
11.30.132	CRC70FL-ALD-G/VC/TTL-100
11.30.133	CRC70FL-ALD-B/SPS-220
11.30.134	CRC70FL-ALD-B/TTL-220
11.30.135	CRC70FL-ALD-B/VC/SPS-220
11.30.136	CRC70FL-ALD-B/VC/TTL-220
11.30.137	CRC70FL-ALD-G/SPS-220
11.30.138	CRC70FL-ALD-G/TTL-220
11.30.139	CRC70FL-ALD-G/VC/SPS-220
11.30.140	CRC70FL-ALD-G/VC/TTL-220

Ring Flash light CRC70FL - 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			

CRC70FL-ALF	
Product number	Product name
11.30.201	CRC70FL-ALF-R/SPS-100
11.30.202	CRC70FL-ALF-R/TTL-100
11.30.203	CRC70FL-ALF-R/VC/SPS-100
11.30.204	CRC70FL-ALF-R/VC/TTL-100
11.30.205	CRC70FL-ALF-IR/SPS-100
11.30.206	CRC70FL-ALF-IR/TTL-100
11.30.207	CRC70FL-ALF-IR/VC/SPS-100
11.30.208	CRC70FL-ALF-IR/VC/TTL-100
11.30.209	CRC70FL-ALF-W/SPS-100
11.30.210	CRC70FL-ALF-W/TTL-100
11.30.211	CRC70FL-ALF-W/VC/SPS-100
11.30.212	CRC70FL-ALF-W/VC/TTL-100
11.30.213	CRC70FL-ALF-R/SPS-220
11.30.214	CRC70FL-ALF-R/TTL-220
11.30.215	CRC70FL-ALF-R/VC/SPS-220
11.30.216	CRC70FL-ALF-R/VC/TTL-220
11.30.217	CRC70FL-ALF-IR/SPS-220
11.30.218	CRC70FL-ALF-IR/TTL-220
11.30.219	CRC70FL-ALF-IR/VC/SPS-220
11.30.220	CRC70FL-ALF-IR/VC/TTL-220
11.30.221	CRC70FL-ALF-W/SPS-220
11.30.222	CRC70FL-ALF-W/TTL-220
11.30.223	CRC70FL-ALF-W/VC/SPS-220
11.30.224	CRC70FL-ALF-W/VC/TTL-220
11.30.225	CRC70FL-ALF-B/SPS-100
11.30.226	CRC70FL-ALF-B/TTL-100
11.30.227	CRC70FL-ALF-B/VC/SPS-100
11.30.228	CRC70FL-ALF-B/VC/TTL-100
11.30.229	CRC70FL-ALF-G/SPS-100
11.30.230	CRC70FL-ALF-G/TTL-100
11.30.231	CRC70FL-ALF-G/VC/SPS-100
11.30.232	CRC70FL-ALF-G/VC/TTL-100
11.30.233	CRC70FL-ALF-B/SPS-220
11.30.234	CRC70FL-ALF-B/TTL-220
11.30.235	CRC70FL-ALF-B/VC/SPS-220
11.30.236	CRC70FL-ALF-B/VC/TTL-220
11.30.237	CRC70FL-ALF-G/SPS-220
11.30.238	CRC70FL-ALF-G/TTL-220
11.30.239	CRC70FL-ALF-G/VC/SPS-220
11.30.240	CRC70FL-ALF-G/VC/TTL-220

POL additional integrated polarising filter foil (not for IR)	
Product number	Product name
11.30.900.04	integrated polarising filter foil for the CRC780FL