
vicolux® Ring Light - R-CLR-100x73-IR850-SL- Diameter of luminous field 70/100 mm

Short description: ring light, IR850, coaxial, If diameter: 73/100 mm, smart light technology

Order number: 1-33-014

EAN: 4251692644294



Characteristics

- flashable Power-LED ring light with direct illumination
 - combinable with further lights of the R-CLR series to a round area light
 - homogeneous illumination
 - safe operation due to vicolux® smart light Controller (e.g. DLC3005)
 - overheat protection due to integrated digital temperature sensor
 - connection: cable with M8 connector
 - robust metal casing, protection class IP67
 - extensive optics and mounting accessories available
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Technical data

Light-emitting surface	Inner diameter: 73 mm Outer diameter: 100 mm
Light colour	Infrared, 850 nm
Beam angle	30 °
Power supply	For current source only!
Special feature	Blitzbar mit Blitzcontroller
Continuous operation	
• Power consumption	13.5 W
• Irradiance	170 W/m ²
Flash mode	
• Power consumption	13.5 W
• Irradiance	710 W/m ²
Housing material	Aluminium, black anodised
Optical material	LED, moulded
Weight	120 g
Degree of protection	IP67
Safety class	Class III, safety extra low voltage (SELV)
Risk group (DIN EN 62471)	1
Ambient temperature	-10 °C ... +55 °C

Notices

Die Beleuchtung kann nur in Verbindung mit einem Beleuchtungscontroller oder einer geeigneten Stromquelle betrieben werden.
vicolux® smart light Beleuchtungscontroller begrenzen automatisch die elektrischen Parameter und überwachen die Gerätetemperatur.

Can be combined with

Order number	Title	Description
LED Controller DLC3005		
1-30-202	DLC3005	LED lighting controller, digital, cont./flash current: 4.8A/18A, wall mounting
1-30-209	DLC3005-R	LED lighting controller, digital, cont./flash current: 4.8A/18A, DIN rail mounting

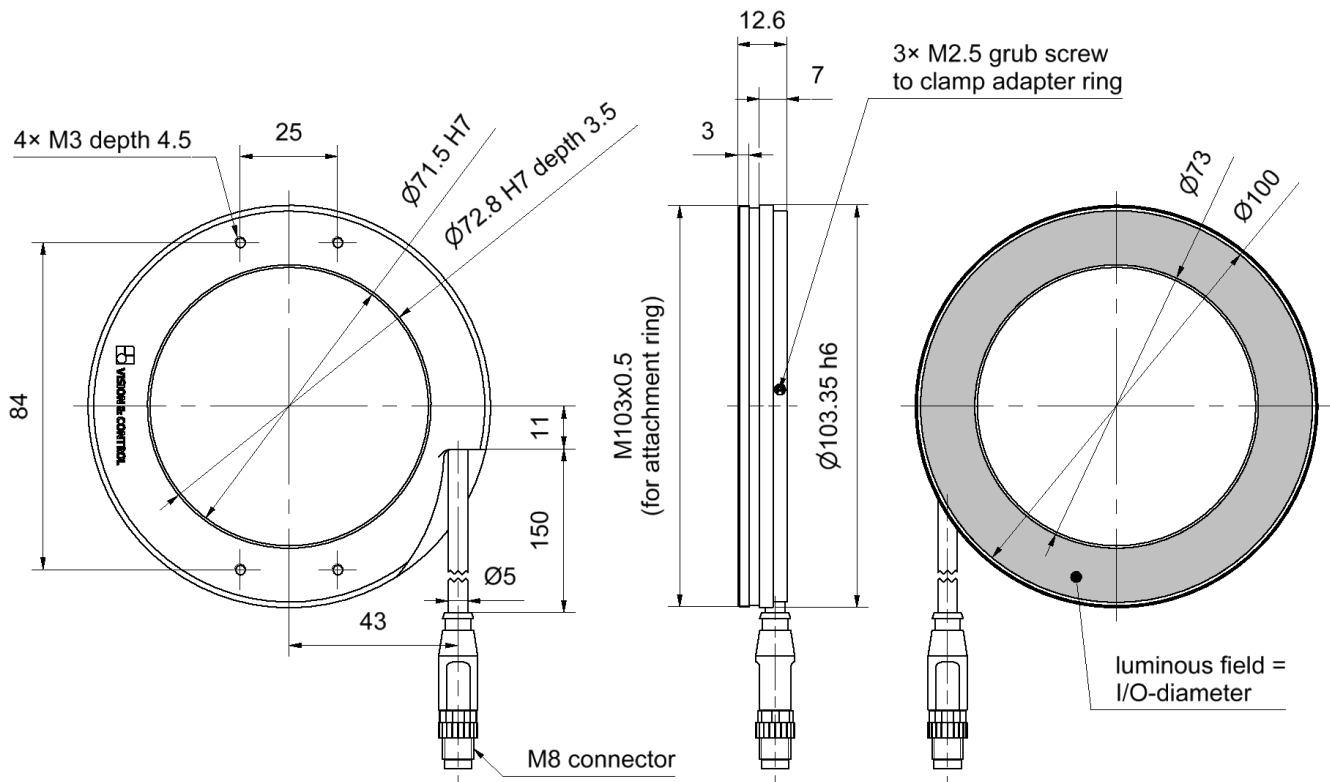
Accessories for Ring lights - R-CLR-100x73-IR850-SL

Order number	Title	Description
Attachment ring		
1-29-750	Attachment ring M103x0.5	for R-CLR-100x73 and RK3652, for attachment of beam shaping optics
Adapter for cameras		
1-29-777	Camera adapter In-Sight	for R-CLR-100x73 and RK3652, for attachment to InSight 5K or Simatic MV440
Diffusers		
1-29-756	Diffuser 15% d100	for R-CLR-100x73 and RK3652, usable with attachment ring M103x0.5 (Order No.: 1-29-750)
1-29-757	Diffuser 40% d100	for R-CLR-100x73 and RK3652, usable with attachment ring M103x0.5 (Order No.: 1-29-750)
Polarisers for Ring Lights		
5-00-020	Polariser linear d134/d41	Polarisation filter for combined ring lights, Di = 41, Da = 134
1-29-755	Polariser linear d102/d72	Polarisation filter for ring lights, Di = 72, Da = 102
Focusing and Fresnel lens		
1-29-760	Fresnel lens F100 d100	for R-CLR-100x73 and RK3652, usable with attachment ring M103x0.5 (Order No.: 1-29-750)

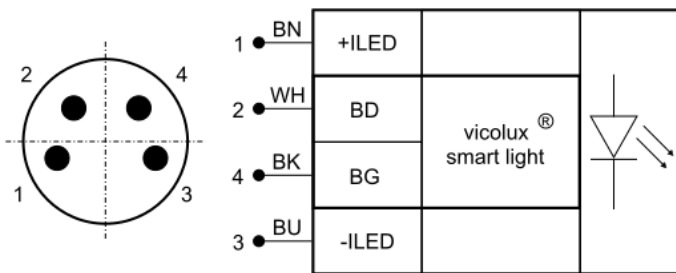
Order number	Title	Description
1-29-761	Fresnel lens F150 d100	for R-CLR-100x73 and RK3652, usable with attachment ring M103x0.5 (Order No.: 1-29-750)
1-29-762	Fresnel lens F200 d100	for R-CLR-100x73 and RK3652, usable with attachment ring M103x0.5 (Order No.: 1-29-750)
Protective covering		
5-00-021	Clear cover d134/d41	Cover plate for combined Ring lights, PMMA, Di = 41, Da = 134
1-29-758	Clear cover d102/d72	Cover plate for Ring lights, PMMA, Di = 72, Da = 102
Adapters for attaching lights to lenses		
1-29-771	Adapter ring d73 - M39x0.5	for R-CLR-100x73 und RK3652, for attachment to lenses with filter thread M39x0.5
1-29-772	Adapter ring d73 - M52x0.75	for R-CLR-100x73 und RK3652, for attachment to lenses with filter thread M52x0.75
1-29-773	Adapter ring d73 - M67x0.75	for R-CLR-100x73 und RK3652, for attachment to lenses with filter thread M67x0.75
1-29-774	Adapter ring d73 - M100x1	for R-CLR-100x73 und RK3652, for attachment to lenses with filter thread M100x1
Connection cable M8-4pin		
1-11-611	Cable-M8-4p-5A-straight-1m	4x0.5mm ² , 5A, 30V, PUR, IP67, M8-4pin straight socket to free cable end
1-11-612	Cable-M8-4p-5A-straight-2m	4x0.5mm ² , 5A, 30V, PUR, IP67, M8-4pin straight socket to free cable end
1-11-613	Cable-M8-4p-5A-straight-3m	4x0.5mm ² , 5A, 30V, PUR, IP67, M8-4pin straight socket to free cable end
1-11-614	Cable-M8-4p-5A-straight-5m	4x0.5mm ² , 5A, 30V, PUR, IP67, M8-4pin straight socket to free cable end
1-11-609	Cable-M8-4p-4A-straight-5m	4x0.25mm ² , 4A, 60V, PUR, IP67, M8-4pin straight socket to free cable end
1-11-607	Cable-M8-4p-4A-straight-10m	4x0.25mm ² , 4A, 60V, PUR, IP67, M8-4pin straight socket to free cable end
1-11-605	Cable-M8-4p-4A-angled-2m	4x0.25mm ² , 4A, 60V, PUR, IP67, M8-4pin angled socket to free cable end

Order number	Title	Description
1-11-604	Cable-M8-4p-4A-angled-5m	4x0.25mm ² , 4A, 60V, PUR, IP67, M8-4pin angled socket to free cable end
1-11-606	Cable-M8-4p-4A-angled-10m	4x0.25mm ² , 4A, 60V, PUR, IP67, M8-4pin angled socket to free cable end
<i>Extension cable M8-4pin</i>		
1-11-093	Extension cable-M8-4p-5A-0.6m	4x0.5mm ² , 5A, 30V, PUR, IP67, M8-4pin straight socket to M8-4pin straight plug
1-11-094	Extension cable-M8-4p-5A-1.5m	4x0.5mm ² , 5A, 30V, PUR, IP67, M8-4pin straight socket to M8-4pin straight plug
1-11-095	Extension cable-M8-4p-5A-3.0m	4x0.5mm ² , 5A, 30V, PUR, IP67, M8-4pin straight socket to M8-4pin straight plug

Drawings



Dimensional drawing in mm



Pin	Aderfarbe	Signal	Beschreibung
1	BN (braun)	+ILED	LED-Anode, positiver Stromeingang
2	WH (weiß)	BD	Data Channel für vicolux® smart light Module ⁽¹⁾
4	BK (schwarz)	BG	Data Channel für vicolux® smart light Module ⁽¹⁾
3	BU (blau)	-ILED	LED-Kathode, negativer Stromeingang

⁽¹⁾ Nur in Verbindung mit vicolux® smart light Beleuchtungscontrollern verwenden.

Pin assignments, M8 connector