

LTRN SERIES

Ring led illuminators

UV  and versions available IR



This family of annular diffusive illuminators has been designed to optically and mechanically fit OE Standard Bi-Telecentric and TCUV Series Lenses. The exact coupling between the lens outer diameter and the illuminator inner diameter provides a simple mechanical interface.

The annular diffusive surface is scaled to provide an even illumination of a target placed at the telecentric lens working distance, with no dark area or hot-spot at the image center.

This kind of illumination is particularly recommended in several applications where coaxial illumination must be avoided; for instance, metal or glass parts and electronics connectors show high reflectivity when coaxially illuminated. In such cases, OE LTRN illuminators provide homogeneous and glare-free illumination, regardless of the object surface orientation and reflectivity.

part number	light	dimensions			power rating		compatible TC lenses		
	colour, peak wavelength	outer diameter (mm)	inner diameter (mm)	height (mm)	voltage (V, DC)	power (watt)	telecentric lenses whose outer diameter fits ring inner diameter	telecentric lenses whose FOV diagonal fits ring inner diameter	other optics

VIS RING ILLUMINATORS

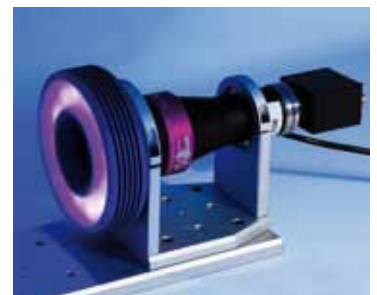
LT RN 23/R	red, 625nm	72	28	36	24	8	TCxx04,TCxx07,TCxx09	TCxx16	MC3-03X, PCHIOxx
LT RN 23/G	green, 527nm	72	28	36	24	6	TCxx04,TCxx07,TCxx09	TCxx16	MC3-03X, PCHIOxx
LT RN 23/B	blue, 460nm	72	28	36	24	6	TCxx04,TCxx07,TCxx09	TCxx16	MC3-03X, PCHIOxx
LT RN 23/W	white, 6300K	72	28	36	24	9	TCxx04,TCxx07,TCxx09	TCxx16	MC3-03X, PCHIOxx
LT RN 36/R	red, 625nm	119	61	36	24	16	TCxx36	TCxx24, TCxx48, TCL040, TCL060	
LT RN 36/G	green, 527nm	119	61	36	24	12	TCxx36	TCxx24, TCxx48, TCL040, TCL060	
LT RN 36/B	blue, 460nm	119	61	36	24	12	TCxx36	TCxx24, TCxx48, TCL040, TCL060	
LT RN 36/W	white, 6300K	119	61	36	24	18	TCxx36	TCxx24, TCxx48, TCL040, TCL060	
LT RN 64/R	red, 625nm	160	100	38	24	24	TCxx64	TCxx56, TCxx72, TCxx80, TCL080	
LT RN 64/G	green, 527nm	160	100	38	24	18	TCxx64	TCxx56, TCxx72, TCxx80, TCL080	
LT RN 64/B	blue, 460nm	160	100	38	24	18	TCxx64	TCxx56, TCxx72, TCxx80, TCL080	
LT RN 64/W	white, 6300K	160	100	38	24	27	TCxx64	TCxx56, TCxx72, TCxx80, TCL080	

UV RING ILLUMINATORS

LT RN 23/UV365	UV, 365 nm	72	28	36	24	8	n.a.	n.a.	
LT RN 23/UV385	UV, 385 nm	72	28	36	24	8	n.a.	n.a.	
LT RN 23/UV405	UV, 405 nm	72	28	36	24	8	n.a.	n.a.	
LT RN 36/UV365	UV, 365 nm	119	61	36	24	16	TCUV1236, TCUV2336	TCUV1248, TCUV2348	
LT RN 36/UV385	UV, 385 nm	119	61	36	24	16	TCUV1236, TCUV2336	TCUV1248, TCUV2348	
LT RN 36/UV405	UV, 405 nm	119	61	36	24	16	TCUV1236, TCUV2336	TCUV1248, TCUV2348	
LT RN 64/UV365	UV, 365 nm	160	100	38	24	24	TCUV1264, TCUV2364	TCUV1256, TCUV2356	
LT RN 64/UV385	UV, 385 nm	160	100	38	24	24	TCUV1264, TCUV2364	TCUV1256, TCUV2356	
LT RN 64/UV405	UV, 405 nm	160	100	38	24	24	TCUV1264, TCUV2364	TCUV1256, TCUV2356	

IR RING ILLUMINATORS

LT RN 23/IR890	IR, 890 nm	72	28	36	24	8	TCxx04,TCxx07,TCxx09	TCxx16	MC3-03X, PCHIOxx
LT RN 23/IR940	IR, 940 nm	72	28	36	24	8	TCxx04,TCxx07,TCxx09	TCxx16	MC3-03X, PCHIOxx
LT RN 36/IR890	IR, 890 nm	119	61	36	24	16	TCxx36	TCxx24, TCxx48, TCL040, TCL060	
LT RN 36/IR940	IR, 940 nm	119	61	36	24	16	TCxx36	TCxx24, TCxx48, TCL040, TCL060	
LT RN 64/IR890	IR, 890 nm	160	100	38	24	24	TCxx64	TCxx56, TCxx72, TCxx80, TCL080	
LT RN 64/IR940	IR, 940 nm	160	100	38	24	24	TCxx64	TCxx56, TCxx72, TCxx80, TCL080	



An UV ring illuminator with an UV Telecentric Lens, held by specific clamping mechanics.

LED RADIATION SAFETY WARNING:

UV and IR Illuminators are Class IIIb products (IEC/EN60825-1)

