

LTCX SERIES

Coaxial illuminators

LTCX Series Diffusive Coaxial LED Illuminators are specifically designed to work with OE mid-size telecentric lenses. High optical throughput is ensured by high power LEDs.

A multi-layer dichroic beam-splitter provides an optimal light transmission/reflection ratio over a wide wavelength range.

The other surface of the beam-splitter is anti-reflection coated to prevent from double (ghost) images often present in this kind of devices.

Optical glass diffusers are integrated to ensure light distribution homogeneity, while a protection optical window prevents dust and impurities from settling on the beam-splitter surface.

Optical grade glass components assure high transmission in the IR and UV ranges, as well as superior image quality.

UV  and IR
versions available



part number	light	dimensions			power rating		compatible TC lenses
	colour, peak wavelength	active area (mm x mm)	length (mm)	width (mm)	height (mm)	voltage (V, DC)	power (watt)

VIS STANDARD SIDE INJECTION VIS BACK-LIGHT ILLUMINATORS

LT CX 36/R	red, 625nm	50 x 50	110	57	63	24	9	TCxx36, TCxx48
LT CX 36/G	green, 527nm	50 x 50	110	57	63	24	8	TCxx36, TCxx48
LT CX 36/B	blue, 460nm	50 x 50	110	57	63	24	7	TCxx36, TCxx48
LT CX 36/W	white, 6300K	50 x 50	110	57	63	24	10	TCxx36, TCxx48
LT CX 64/R	red, 625nm	82 x 82	144	92	98	24	18	TCxx56, TC xx64, TC xx80
LT CX 64/G	green, 527nm	82 x 82	144	92	98	24	16	TCxx56, TC xx64, TC xx80
LT CX 64/B	blue, 460nm	82 x 82	144	92	98	24	14	TCxx56, TC xx64, TC xx80
LT CX 64/W	white, 6300K	82 x 82	144	92	98	24	20	TCxx56, TC xx64, TC xx80

VIS HYBRID SIDE INJECTION VIS BACK-LIGHT ILLUMINATORS

LT CX 36/UV365	UV, 365 nm	50 x 50	110	57	63	24	8	TCUVxx36, TCUVxx48
LT CX 36/UV385	UV, 385 nm	50 x 50	110	57	63	24	8	TCUVxx36, TCUVxx48
LT CX 36/UV405	UV, 405 nm	50 x 50	110	57	63	24	8	TCUVxx36, TCUVxx48
LT CX 64/UV365	UV, 365 nm	82 x 82	144	92	98	24	16	TCUVxx56, TC UVxx64, TC UVxx80
LT CX 64/UV385	UV, 385 nm	82 x 82	144	92	98	24	16	TCUVxx56, TC UVxx64, TC UVxx80
LT CX 64/UV405	UV, 405 nm	82 x 82	144	92	98	24	16	TCUVxx56, TC UVxx64, TC UVxx80

UV HYBRID SIDE INJECTION UV BACK-LIGHT ILLUMINATORS

LT CX 36/IR890	IR, 890 nm	50 x 50	110	57	63	24	8	TCxx36, TCxx48
LT CX 36/IR940	IR, 940 nm	50 x 50	110	57	63	24	8	TCxx36, TCxx48
LT CX 64/IR890	IR, 890 nm	82 x 82	144	92	98	24	16	TCxx56, TC xx64, TC xx80
LT CX 64/IR940	IR, 940 nm	82 x 82	144	92	98	24	16	TCxx56, TC xx64, TC xx80



385 nm UV Coaxial Illuminator combined with an UV Telecentric Lens.



OE coaxial illuminators can be configured to operate at 90°.



Coaxial spot or pattern projection can be obtained by integrating an LT SP or LT PR illuminator.

LED RADIATION SAFETY WARNING:
UV and IR Illuminators are Class IIIb products (IEC/EN60825-1)

