

LTCX SERIES

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.

Coaxial illuminators

UV  and versions available IR



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)	(FOV fitting active area)

VIS STANDARD SIDE INJECTION VIS BACK-LIGHT ILLUMINATORS

LT BK 36/R	red, 625nm	58 x 58	78,5	78,5	15	24	6	TCxx24, TCxx36, TCxx48, TCxx56
LT BK 36/W	white, 6300K	58 x 58	78,5	78,5	15	24	3	TCxx24, TCxx36, TCxx48, TCxx56
LT BK 64/R	red, 625nm	98 x 98	115,5	115,5	14	24	12	TCxx56, TCxx64, TCxx80, TCxx96
LT BK 64/W	white, 6300K	98 x 98	115,5	115,5	14	24	6	TCxx56, TCxx64, TCxx80, TCxx96
LT BK 36/R	red, 625nm	58 x 58	78,5	78,5	15	24	6	TCxx24, TCxx36, TCxx48, TCxx56
LT BK 36/W	white, 6300K	58 x 58	78,5	78,5	15	24	3	TCxx24, TCxx36, TCxx48, TCxx56
LT BK 64/R	red, 625nm	98 x 98	115,5	115,5	14	24	12	TCxx56, TCxx64, TCxx80, TCxx96
LT BK 64/W	white, 6300K	98 x 98	115,5	115,5	14	24	6	TCxx56, TCxx64, TCxx80, TCxx96

VIS HYBRID SIDE INJECTION VIS BACK-LIGHT ILLUMINATORS

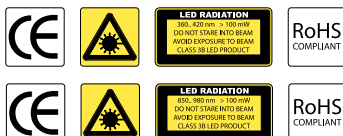
LT BK 48/R	red, 625nm	67 x 67	121	81,5	30	24	9	TCxx36, TCxx48, TCxx56, TCxx64
LT BK 48/G	green, 527nm	67 x 67	121	81,5	30	24	8	TCxx36, TCxx48, TCxx56, TCxx64
LT BK 48/B	blue, 460nm	67 x 67	121	81,5	30	24	7	TCxx36, TCxx48, TCxx56, TCxx64
LT BK 48/W	white, 6300K	67 x 67	121	81,5	30	24	10	TCxx36, TCxx48, TCxx56, TCxx64
LT BK 80/R	red, 625nm	106 x 106	160	120	30	24	9	TCxx72, TCxx80, TCxx85, TCxx96
LT BK 80/G	green, 527nm	106 x 106	160	120	30	24	8	TCxx72, TCxx80, TCxx85, TCxx96

UV HYBRID SIDE INJECTION UV BACK-LIGHT ILLUMINATORS

LT BK 48/UV365	UV, 365 nm	67 x 67	121	81,5	30	24	8	TCUVxx36, TCUVxx48, TCUVxx56
LT BK 48/UV385	UV, 385 nm	67 x 67	121	81,5	30	24	8	TCUVxx36, TCUVxx48, TCUVxx56
LT BK 48/UV405	UV, 405 nm	67 x 67	121	81,5	30	24	8	TCUVxx36, TCUVxx48, TCUVxx56
LT BK 80/UV365	UV, 365 nm	106 x 106	160	120	30	24	8	TC xx64, TC xx80

LED RADIATION SAFETY WARNING:

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



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.