

# SST IR LEDs

Infrared LEDs (Luminus)



Beck Elektronik extends its product portfolio with eleven [new high-power infrared \(IR\) LEDs](#) from Luminus in many different variations and opens the door for various application fields like automotive, sensing, biometric identification, consumer, machine vision, medical and security.

The new IR-LEDs are, in addition to the single-chip-version, also available with dual-junction technology. This allows to nearly double the power density in the same footprint and to still keep the efficiency almost unchanged, which makes it easier in solutions where a higher radiant intensity and a more compact design is needed. The product line delivers a very high radiometric power of up to 1600 mW at 1A and 850nm and a radiant intensity of more than 1300 mW/sr.

The Luminus SST-IR products are industry standard 3535 SMD packages and are available in three wavelengths – 810nm, 850nm and 940nm – and with six different viewing angle options ranging from 40° to 130° and so it fits perfectly for all kinds of biometric and security-related applications.

## FEATURES

- Industry standard 3535 SMD packages
- Wavelength range: 730 to 940 nm
- Single and dual junction technology
- Six beam angle options from 40° to 130°
- High radiometric output
- Low thermal resistance package



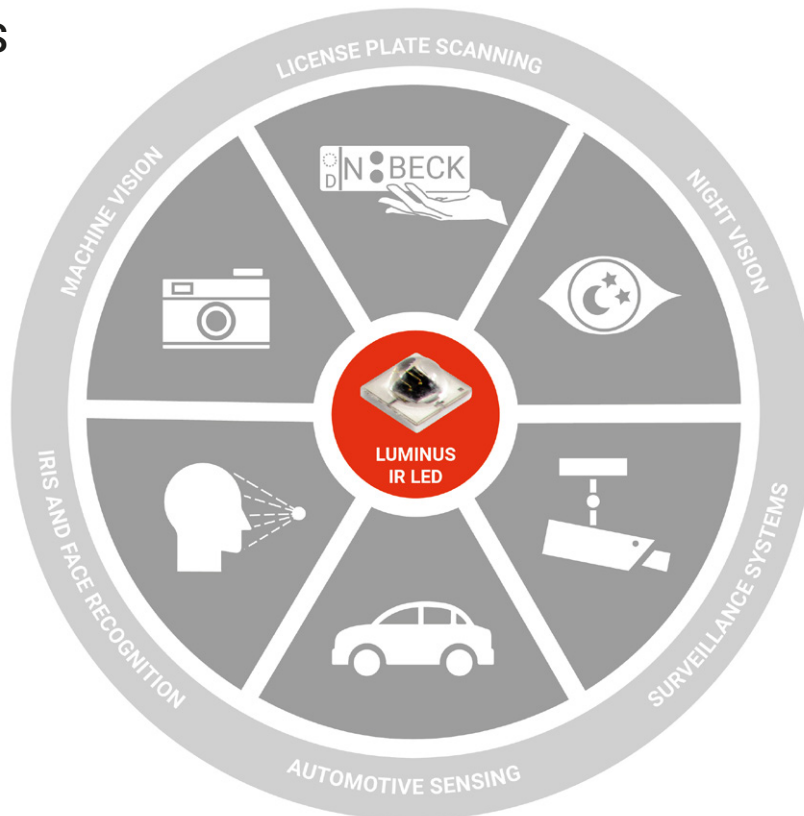
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# TECHNICAL SPECIFICATIONS

PART NUMBER	$\lambda_p$ (nm)	OPERATING CURRENT typ. (A)	OPTICAL POWER min. (mW)	OPTICAL POWER max. (mW)	VIEWING ANGLE (°)
SST-05-IR-B40-J850	850	0,35	295	800	40
SST-05-IR-B70-J850	850	0,35	295	800	70
SST-06-IRD-B80-Q810	810	0,35	295	800	80
SST-10-IRD-B90-S810	810	0,35	535	1470	90
SST-10-IRD-B130-S810	810	0,35	535	1470	130
SST-10-IRD-B50-T850	850	0,35	550	1500	50
SST-10-IR-B90-K850	850	0,35	265	825	90
SST-10-IRD-B90-T850	850	0,35	550	1500	90
SST-10-IR-B130-K850	850	0,35	265	825	130
SST-10-IRD-B130-U850	850	0,35	550	1500	130
SST-10-IRD-B50-S940	940	0,35	535	1470	50
SST-10-IR-B90-H940	940	0,35	205	619	90
SST-10-IRD-B90-S940	940	0,35	535	1470	90
SST-10-IR-B130-H940	940	0,35	205	619	130
SST-10-IRD-B130-S940	940	0,35	535	1470	130
SST-10-FR-B90-730	730	0,35	270	756	90
SST-10-FR-B130-730	730	0,35	270	756	130

# APPLICATIONS



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