

UVC LEDs

(Luminus/Lextar)



Photo with kind approval by Luminus

Beck Elektronik now offers a completely new range of [UVC products](#). UVC radiation is especially effective at disinfection purposes. By UVC radiation DNA structures are broken up and simple unicellular organisms such as bacteria, viruses and other germs can be reliably killed.

UVC LEDs are much more environmentally friendly than conventional technologies because no mercury is used and no ozone is produced.

All kinds of applications can be addressed due to a wide variety of SMD packages from 1313 up to 5050 with all kind of different viewing angles and impressive optical power. With that variety there are no restrictions on different designs. In addition low DC voltages are sufficient for their operation, which makes battery operation possible and simplifies their electrical control. Annoying warm-up times are also eliminated and pulse operation of the LED is possible.

FEATURES

- Industry standard SMD packages
- UVC wavelength range: 270nm to 290nm
- Different beam angle options from 60° to 140°
- High reliability, robustness and long lifetime
- Environmentally friendly, RoHS compliant

APPLICATIONS

- Surface sterilization
- Food & pharmaceutical processing
- Air & water disinfection
- Medical spectroscopy
- Horticulture
- Florescence analyzer



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TECHNICAL SPECIFICATIONS

MANUFACTURER	PART NUMBER	PACKAGE SIZE	WAVELENGTH BIN [NM]	OPERATING CURRENT TYP. [A]	OPTICAL POWER TYP. [MW]	VIEW ANGLE
LUMINUS	XBT-1313-UV	1313	280	0,02	2,6	120
LUMINUS	XST-3535-UV	3535	275	0,35	45,0	60
LUMINUS	XFM-5050-UV Preliminary	5050	275	0,35	135,0	130
LEXTAR	PU88S31 V0	3535	270	0,02	3,5	140
LEXTAR	PU88S31 V0	3535	280	0,02	3,5	140
LEXTAR	PU35CL1 V0 Preliminary	3535	278	0,02	2,4	125
LEXTAR	PU35CM1 V0 Preliminary	3535	270	0,10	15,0	125

