

Use of Lighting components in medical rooms

Tridonic LED drivers fulfill all relevant requirements for the use in rooms with sensitive electro medical equipment as EEG and ECG.

The magnetic field strength have to be lower than 2×10^{-7} Tesla for the EEG (electroencephalograph) and 4×10^{-7} Tesla for the ECG (electrocardiograph).

To fulfill these requirements the following distances have to observe.

LED	LCI TOP	LCAI ECO	LCA PRE	LC EXC	LCA ADV	LCBI	LCO EXC	LCO ADV
	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm	0 cm

Electronic Led drivers LCI TOP, LCAI ECO, LCA PRE, LC EXC, LCA ADV, LCBI, LCO EXC, LCO ADV, operate the LED modules with high frequency, there is no distance to be calculated.

Disturbances of ballasts by electro medical devices:

Tridonic LED drivers are insensitive to external magnetic fields which are typically generated by medical devices.

This means that Tridonic LED drivers can be also used in rooms which are equipped e.g. with magnetic resonance scanner.

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