

	Requirements for electronic ontrol gears for fluorescent		Version 14
Ianufacturer: DOTLUX GmbH Richard-Stücklen-Straße 7	Control gear:	ype / Description: <u>ST6051</u> <u>5415-030080</u>	Manufacturer information
91781 Weißenburg Bay.		Evaluation	Complies: YES/N
Specifications:	CEAG data:	Explanation:	
Control gear suitable for DC voltage range:	186V - 260V DC (for Lead-Battery)	Possible voltage range of the battery in emergency mode. (Not for AT-S ⁺ Systems required)	YES NO
Control gear compatible with the witch-over time of the system?	Switch-over time: 180 ms - 450 ms	Typical switch-over time of CEAG systems between mains supply and emergency power supply	YES 🗖 NO 🗖
starting behavior of the control gear:	Stable current consumption after less than 1.6 sec. maximum.	A stable operation of the control gear after 1.6 seconds of start up is required for the right functionality of the individual monitoring. With max. 20 luminaires for one current circuit: Δ I in sum < 250 mA are allowed	YES 🗖 NO
Control gear compatible with CEAG TAR-Technology:	Phase-cut telegram (PAT): max. 30 phases (half waves) with max. 60° phase-cuts	During the CEAG STAR switching process, up to 30 half- waves are cut at a maximum of 60°. The control gear must not exhibit any malfunctions such as switching off, flickering	YES 🛛 NO 🗳
nly for flourescent lamps: Control gear complies with the tandard:	DIN EN 60929	AC and/or DC-supplied electronic control gear for tubular fluorescent lamps - Performance requirements	YES NO
nly for flourescent lamps: Control gear complies with the tandard:	DIN EN 61347-2-3 (incl. Attachment J)	Particular requirements for AC and/or DC supplied electronic control gear for fluorescent lamps	YES D NO D
nly for LED: Control gear complies with the tandard:	DIN EN 62384	AC or DC supplied electronic control gear for LED modules - Performance requirements	YES 🗖 NO 🗖
<u>nly for LED:</u> Control gear complies with the tandard:	DIN EN 61347-2-13	Particular requirements for AC or DC supplied electronic control gear for LED modules	YES NO
Control gear complies with ne standard:	DIN EN 55015 (Measured in AC and DC)	Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment	YES 🗖 NO 🗖
Control gear complies with ne standard:	DIN EN 61000-3-2, Pkt. 7.3 a.)	see *Important note!	YES 🗖 NO 🗖
Control gear complies with ne standard:	DIN EN 61547	Equipment for general lighting purposes - EMC immunity requirements	YES 🗖 NO 🗖
ote: The labeling "according to VDE 0108" is n	ot meaningful, because this is not a control gear standard!		
specifications:	CEAG data:	Explanation:	Manufacturer information:
mportant for functiontest: 'oltage-dependent nput current of the control gear ncl. LED n DC and AC operation: mportant for functiontest: 'oltage-dependent	V-CG-S2: >9,4 mA or >12,7 mA = OK V-CG-S2: >16 mA or >47 mA = OK V-CG-SE: >16 mA or >47 mA = OK V-CG-SUW: >47 mA = OK CG-K: >16 mA or >47 mA = OK CG-K: >16 mA or >47 mA = OK V-CG-S2: <5,8 mA or <7,9 mA = n.OK V-CG-S2: <10 mA or <28 mA = n.OK	Minimum current of the LED driver with LED module to GOOD detection via the monitoring module. In the voltage range of 189 - 264V AC on AT-S+ or 186 - 260V DC on ZB-S/LP-STAR the input current must be higher than the specified current values. see *Important note! Maximal current of the LED driver with LED module for BAD detection via the monitoring module.	AC: (AT-S+) DC: (ZB-S/LP-STAR) AC:
lo-load current of the control gear without or defect LED module) n DC and AC - operation*:	V-CG-SE: <10 mA or <28 mA = n.OK V-CG-SUW: <28 mA = n.OK CG-K: <10 mA or <28 mA = n.OK	In the voltage range of 189 - 264V AC on AT-S+ or 186 - 260V DC on ZB-S/LP-STAR the input current must be lower than the specified current values. see *Important note!	(AT-S+) DC: (ZB-S/I P-STAR)
nportant for the power consumption f addressable ballast:	V-CG-S2 = 30 A V-CG-S = 30 A V-CG-SE = 30 A V-CG-SUW = 80 A CG-K = 30 A	The max. inrush current of each monitoring module has to be considered!	AC: (AT-S+) DC: (ZB-S/LP-STAR)
nportant for the contact load SKU: fax. inrush current of each luminaire n AC operation For AT-S+ systems and for battery	(Particular requirements -Lu *Impo y systems (ZB-S / LP-STAR) with active preli mption must be sinusoidal, t.m. all control g See DIN EN 61	The declaration of the inrush current of the luminaire above i max. possible luminaires on one circuit, to consider the max. circuit. g must comply with DIN EN 60598-2-22 uninaires for emergency lighting) ortant note! minary time for AC about 300 seconds (EOL detection of T jears (<25W as well) must have an active PFC (Power Facto 1000-3-2, Pkt. 7.3 a.) s valid for the complete system (e.g. ZB-S), not possible for	contact load limitation of 5 lamps) for the function or Correction)!