

	Requirements for electronic non-dimmable control gears for fluorescent lamps and LED			Version 14	
anufacturer: irma DOTLUX GmbH tichard - Stücklen - Strasse 7 1781 Weißenburg	Type / Description: asse 7 Control gear: 5210-030036 DOTLUX LED-Einbauleuchte MULTISCREW 5W 3000K dimmbar		Manufacturer information		
Specifications:	CEAG data:	Explanation:	Compli	es: YES/N	
ontrol 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		
ontrol gear compatible with the with-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		
tarting 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	-	
ontrol 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: ontrol gear complies with the andard:	DIN EN 60929	AC and/or DC-supplied electronic control gear for tubular fluorescent lamps - Performance requirements	YES NO		
nly for flourescent lamps: ontrol gear complies with the andard:	DIN EN 61347-2-3 (incl. Attachment J)	Particular requirements for AC and/or DC supplied electronic control gear for fluorescent lamps	YES NO		
nly for LED: ontrol gear complies with the andard:	DIN EN 62384	AC or DC supplied electronic control gear for LED modules - Performance requirements	YES NO		
nly for LED: ontrol gear complies with the andard:	DIN EN 61347-2-13	Particular requirements for AC or DC supplied electronic control gear for LED modules	YES NO		
ontrol gear complies with e 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		
ontrol gear complies with e standard:	DIN EN 61000-3-2, Pkt. 7.3 a.)	see *Important note!	YES NO		
ontrol gear complies with e standard:	DIN EN 61547	Equipment for general lighting purposes - EMC immunity requirements	YES NO		
ote: The labeling "according to VDE 0108" is	not meaningful, because this is not a control gear standard!				
pecifications:	CEAG data:	Explanation:	Manufact informati		
nportant for functiontest: oltage-dependent put current of the control gear cl. LED DC and AC operation:	V-CG-S2: >9,4 mA or >12,7 mA = OK V-CG-S: >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	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!	AC: (AT-S+) DC: (ZB-S/LP-S	STAR)	
nportant for functiontest: oltage-dependent o-load current of the control gear vithout or defect LED module) DC and AC - operation*:	V-CG-S2: <5,8 mA or <7,9 mA = n.OK V-CG-S: <10 mA or <28 mA = n.OK 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	Maximal current of the LED driver with LED module for BAD 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 lower than the specified current values. see *Important note!	AC: (AT-S+) DC: (ZB-S/LP-S	STAR)	
nportant for the power consumption addressable ballast:	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/I P-S	STAR)	
Note: Important for the planning hportant for the contact load SKU: ax. inrush current of each luminaire AC operation	Max. permitted inrush current per circuit: SKU 2 x 3A (CG) => 120 A SKU 1 x 6A (CG) => 180 A	The declaration of the inrush current of the luminaire above is max. possible luminaires on one circuit, to consider the max. o circuit.			
	Luminaires for emergency lightin (Particular requirements -Lu	g must comply with DIN EN 60598-2-22 uninaires for emergency lighting) ortant note!			
test, the current const Note EOL (End of Life) detec	ry systems (ZB-S / LP-STAR) with active preli umption must be sinusoidal, t.m. all control g See DIN EN 61 stion (T5 > 14Watt): The AC preliminary time is	minary time for AC about 300 seconds (EOL detection of T gears (<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 fo side of the control gear for LED modules within the specified li	r Correctio	on)! I circuits.	