

	Requirements for electronic ontrol gears for fluorescent		Version 14
Manufacturer: DOTLUX GmbH Richard-Stücklen-Straße 7 91781 Weißenburg Bay.	Ty Control gear:	ype / Description: V6064-AC 5428-030038	Manufacturer information
Specifications:	CEAG data:	Explanation:	Complies: YES/N
Control gear suitable for a 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 switch-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 STAR-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 🗖
only for flourescent lamps: Control gear complies with the standard:	DIN EN 60929	AC and/or DC-supplied electronic control gear for tubular fluorescent lamps - Performance requirements	YES 🗆 NO 🗖
only for flourescent lamps: Control gear complies with the standard:	DIN EN 61347-2-3 (incl. Attachment J)	Particular requirements for AC and/or DC supplied electronic control gear for fluorescent lamps	YES 🗆 NO 🗖
only for LED: Control gear complies with the standard:	DIN EN 62384	AC or DC supplied electronic control gear for LED modules - Performance requirements	YES 🗖 NO 🗖
only for LED: Control gear complies with the standard:	DIN EN 61347-2-13	Particular requirements for AC or DC supplied electronic control gear for LED modules	YES 🗖 NO 🗖
Control gear complies with the 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 the standard:	DIN EN 61000-3-2, Pkt. 7.3 a.)	see *Important note!	YES 🗖 NO 🗖
Control gear complies with the standard:	DIN EN 61547	Equipment for general lighting purposes - EMC immunity requirements	YES 🗖 NO 🗖
Note: The labeling "according to VDE 0108" is not	t 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:	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! Maximal current of the LED driver with LED module for	AC: (AT-S+) DC: (ZB-S/LP-STAR)
Important for functiontest: Voltage-dependent No-load current of the control gear (without or defect LED module) in 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	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-STAR)
mportant for the power consumption of 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:
Note: Important for the planning -	Max. no. Of luminiares per circuit Max. permitted inrush current		
<u>mportant for the contact load SKU:</u> Max. inrush current of each luminaire n AC operation	per circuit: SKU 2 x 3A (CG) => 120 A SKU 1 x 6A (CG) => 180 A SKU 4 x 1,5A CG-S => 60 A SKU 2 x 3A CG-S => 250 A SKU 1 x 6A CG-S => 250 A SOU CG-S // S ⁺ => 250 A	The declaration of the inrush current of the luminaire above is max. possible luminaires on one circuit, to consider the max. o circuit.	
	ISU S => 250 A		
		g must comply with DIN EN 60598-2-22	
	Luminaires for emergency lightin (Particular requirements -Lu * <u>Impo</u> v systems (ZB-S / LP-STAR) with active preli nption must be sinusoidal, t.m. all control g	ıminaires for emergency lighting) <u>ortant note!</u> minary time for AC about 300 seconds (EOL detection of T ears (<25W as well) must have an active PFC (Power Facto	
test, the current consu Note EOL (End of Life) detect The modules of the V-CG-S series n	Luminaires for emergency lightin (Particular requirements -Lu *Impo r systems (ZB-S / LP-STAR) with active preli mption must be sinusoidal, t.m. all control g See DIN EN 61 ion (T5 > 14Watt): The AC preliminary time is oonitor the current consumption on the primary dary side do not inevitably lead to a modificatio	ıminaires for emergency lighting) <u>ortant note!</u> minary time for AC about 300 seconds (EOL detection of T	r Correction)! r individual circuits. mits. Failures of individu