

Manufacturer:	Т	ype / description:						
OSRAM GmbH Marcel-Breuer-Str. 6 D-80807 München	ECG-type: OTi DALI 50/220240/1A4 LT2 L Date: 19.07.2021	Manufacturer information Complies: YES/NO						
Features:	CEAG data:	Explanation:						
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					
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					
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					
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					
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	Not relevant					
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	Not relevant					
only for LED: Control gear complies with the standard:	DIN EN 62384	DC. Or AC supplied electronic control gear for LED modules - Performance requirements	Yes					
only for LED: Control gear complies with the standard:	DIN EN 61347-2-13	Lamp controlgear — Part 2-13: Particular requirements for d. c. or a. c. supplied electronic controlgear for LED modules	Yes					
Fullfilled the standard:	DIN EN 55015 (Measurement on AC And DC)	Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment	Yes					
Fullfilled the standard:	DIN EN 61547	Equipment for general lighting purposes — EMC immunity requirements	Yes					
Fullfilled the DALI standards:	DIN EN 62386-101 /-102 / -207*	Control gear must have the DALI Logo*	Yes					
Note: VDE 0108 is not a standard for ECG, ma	rking is not applicable							
Features:	CEAG-Data:	Explanation:	Manufacturer information:					
mportant for function test! According to IEC 62386 Part 102 Support of : DALI command 145 Query Control Gear) DALI command 146 Query Lamp Failure)	According to IEC 62386 Part 102	To detect a lamp failure, the V-CG-SB.1 module send DALI command queries (145/146) to the DALI LED driver. These DALI commands are necessary to ensure the lamp failure detection, and must be support by the control gear.	Yes					
Important for DC operation: DALI light level	In case of locked DALI light level in DC operation (EOF=Emergency Output Level),	In DC-emergency case the DALI-Light Level is locked to prevent unwanted changes of the luminous flux.	Locked					
mportant for lighting design: If DALI-Light level is locked, the value of the preset DC-Lightlevel (in %) is required	the V-CG-SB.1 can not change the light	Pre-set DC-Light Level e.g. 15% (DALI-value 185 for logarithmic dimming curve)	15%					
Note: Important for the planning -	Max. no. Of luminiares per circuit							
mportant for the contact load SKU: Max. inrush current each converter/luminaire in AC-operation:	Max. permitted inrush current 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 SKU 1 x 6A CG-S => 250 A SOU CG-S // S* => 250 A SOU CG-S // S* => 250 A							
Lumir	SU S ⁺ => 250 A	must be according to the standard DIN EN 60598-2-22						
Lumir		g, must be according to the standard DIN EN 60598-2-22 uminaires for emergency lighting)						

Max. 1 DALI- Driver to wire with 1 V-CG-SB.1

In use of manifold ballasts, the different lamp failure detection of the manufacturer must be consider! Some devices don`t detect a failure if one lamp is defect.

06.March.2021

Manufacturer:	Product:	
OSRAM GmbH		
Marcel-Breuer Str. 6	OTi DALI 50/220-240/1A4 LT2 LG2	OSRAM GmbH
D-80807 München	(4052899551787)	OSMAN GILLST

Table 1

			AC-operation				DC-Operation (For DALI Devices @ default DC Dim level e.g. 15%)			
Values for load range		189VAC/50Hz Itrms_in (mA)	230VAC/50Hz Itrms_in (mA)	240VAC/50Hz Itrms_in (mA)	264VAC/50Hz Itrms_in (mA)	186VDC Itrms_in (mA)	216VDC Itrms_in (mA)	240VDC Itrms_in (mA)	260VDC Itrms_in (mA)	
Min. Load /mA	P_out=	5 W	not supported (65)	64	65	65	47	45	42	40
Mid. Load /mA	P_out=	25 W	not supported (170)	144	140	130	54	50	47	44
Max. Load /mA	P_out=	50 W	not supported (302)	249	239	218	65	59	54	51
Short/Open Load			not supported (53)	54	54	55	46	43	41	38

Remarks:

- 1.) This table shows the currents consumption of the driver at three different operating points (Pmax, Pmid, Pmin) for AC and DC operation.
- 2.) This table is intended for rough design desicions . It is not a replacement for individual functional measurments!