

Manufacturer: OSRAM GmbH Marcel-Breuer-Str. 6 D-80807 Munich			Type / Description: Luminaire: EVG: Oti DALI 150/220-240/1A0 D NFC IND L (ident code: AM07662) LED:										
							Pro	oject / Place / Project ID:		Specified by: Name: D. Graser Company: OSRAM GmbH			
			Date: 12.06.2018										
Features Techn. data / INOTEC requirements			Explanation	Fullfilled (Yes / No)									
1	Voltage range AC	230V ± 10%	Voltage range in normal mains operation	YES									
2	Voltage range DC	186V - 260V	Possible voltage range in emergency operation	YES									
3	Control gear suitable for "Joker-Voltage" ?	B2-rectification of the AC voltage (without smoothing)	Pulsating DC voltage	YES YES YES									
4	Control gear compatible with change- over time of the system?	Change-over time: 150 - 1000ms	Typical change-over time of INOTEC systems between mains- and battery operation										
5	Starting behavior of the control gear in DC operation	Stable current consumption within 1,6s	Necessary for individual lamp monitoring (SV)										
6	Control gear complies with the standard: (only for fluorescent lamps)	DIN EN 60929	AC and/or DC-supplied electronic control gear for tubular fluorescent lamps - Performance requirements	not relevant									
7	Control gear complies with the standard: (only for fluorescent lamps)	DIN EN 61347-2-3 (incl. Attachment J)	Particular requirements for AC and/or DC supplied electronic control gear for fluorescent lamps	not relevant									
8	Control gear complies with the standard: (only for LED)	DIN EN 62384	DC or AC supplied electronic control gear for LED modules - Performance requirements	YES									
9	Control gear complies with the standard: (only for LED)	DIN EN 61347-2-13	Lamp control gear - Part 2-13: Particular requirements for DC or AC supplied electronic control gear for LED modules	YES									
10	Control gear complies with the standard:	DIN EN 55015 (Measurement on AC and DC)	Limits and methods of measurement of radio interference	YES									
11	Control gear complies with the standard:	DIN EN 61000-3-2	Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current ≤ 16 A per phase)	YES									
12	Control gear complies with the standard:	DIN EN 61547	Equipment for general lighting purposes — EMC immunity requirements	(*3)YES									
13	Control gear complies with the DALI- standards:	DIN EN 62386-101 /-102 / -207	Control gear must have the DALI Logo(*1)	YES									

Note: VDE 0108 is not a standard for ECG, marking is not applicable



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OSRAM GmbH	Luminaire:			
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D-80807 Munich	LED:			
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Features		Techn. data / INOTEC requirements	Explanation	Manufacturer information	
110	Nominal current of the control gear with connected illuminant in AC- operation (230V)		Selection guide for the calculation of the max. number of luminairs per circuit	See Table1	
	Nominal current of the control gear with connected illuminant in DC- operation (216V)		Selection guide for the calculation of the necessary battery capacity	See Table1	
16	Behavier control gear in DC operation: - Unlocked light output level - Locked light output level (Dimming on DC) The DC-light output settings on the DALI-SV- Module is only active if control gear is unlocked		In case of locked DC light output level, the DC level of the DALI-SV-Module is not active!	*4) locked	
17	Light output level in DC operation with locked light output level (Dimming on DC)	No control of light output level from DALI-SV- Module in DC operation possible	Locked light output level in %. Important for lighting design.	*4) 15%	
	Using the DALI command 146 (Query Lamp Failure) acc. IEC 62386 Part 102	According to IEC 62386 Part 102	Important for function test: To detect a lamp failure, the DALI-SV-Module send the DALI command query 146 to the DALI driver Attention: The query is made after 2 / 2,5 / 3 seconds	YES	
19	Max. inrush current of the control gear with connected illuminant in AC operation (230V)	Max. permitted inrush current per circuit: SK 4x2A: 250A / 500μs SK 2x4A: 250A / 500μs SK 2x3A: 250A / 500μs SK 1x6A: 250A / 500μs	Describes the max. inrush current of all ballasts in a circuit, to calculate the maximum contact rating of the circuit (*2)	20A / 30 µs	

Luminaires, which should work as emergency lighting, have to be in accordance with DIN EN 60598-2-22. (Particular requirements - Luminaires for emergency lighting)

Notes:

*1: Control of DALI-SV-Module to the DALI driver is 100% done via DALI-commands according to IEC 62386-101 /-102, so the DALI driver must sign with the DALI logo.

*2: For calculation the inrush current of the monitoring module must be considered!

*3: Not to be used in high risk areas, special release required

*4: The light input level is locked in DC-operation. Factory setting is 15% of the maximum level. It is possible to change the behavior of the controlgear in DC-operation.

For the correctness:

Jack, Date 13.06.2018





Table1:

Oti DALI 150/220-240/1A0 D NFC IND L	OSRAM
	Oti DALI 150/220-240/1A0 D NFC IND L

LED controller type	Values for load range	IN in AC- operation (230V) / mA (trms)	IN in AC- operation (240V) / mA (trms)	IN in DC- operation (186V) / mA (trms)	IN in DC- operation (216V) / mA (trms)	IN in DC- operation (240V) / mA (trms)	IN in DC- operation (260V) / mA (trms)
Oti DALI 150/220-240/1A0 D NFC IND L							
	Umin, Imin	114,19	113,54	25,80	21,67	20,08	18,42
	Umin, Imax	376,14	334,88	66,13	57,65	52,06	48,18
	Umax, Imin	358,30	346,82	74,91	64,43	57,94	53,63
	Umax, Imax	711,54	680,22	129,35	111,92	100,13	92,74
	Open Load	58,50	73,06	13,69	13,40	13,24	13,03
	Short Load	58,26	73,06	13,71	13,43	13,18	13,01

Maximum inrush current for ECG in AC Operation

lpeak= TH= 20 Α 30 μs