

- General requirements -

Manufacturer:	Type / Description:		
	Luminaire		
	EVG:		
	LED:		
Project / Place / Project ID:	Specified by:		
	Name:		
	Company:		
	Date:		

D			Date:		
	Features	Techn. data / INOTEC requirements	Explanation	Fullfilled (Yes / No)	
1	Voltage range AC	230V ± 10%	Voltage range in normal mains operation		
2	Voltage range DC	186V - 260V	Possible voltage range in emergency operation		
3	Control gear suitable for "Joker-Voltage" ?	B2-rectification of the AC voltage (without smoothing)	Pulsating DC voltage		
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 AC and DC operation	Stable current consumption within 1.6s	Necessary for individual lamp monitoring (SV). The nominal current of the control gear must be reached within this time if the lamp is intact or defective.		
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		
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		
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		
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		
10	Control gear complies with the standard:	DIN EN 55015 (Measurement on AC and DC)	Limits and methods of measurement of radio interference		
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)		
12	Control gear complies with the standard:	DIN EN 61547	Equipment for general lighting purposes — EMC immunity requirements		
13	ontrol gear complies with the DALI- andards: DIN EN 62386-101 /-102 / -207 luminaire is provided via DALI		The control and status information for monitoring the luminaire is provided via DALI commands. The DALI commands must be 100% compatible.		

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



- Technical specifications -

Ma	anufacturer:	Type / Description:	
		Luminaire	
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Pro	oject / Place / Project ID:	Specified by:	
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	Features	Explanation	Manufacturer spec.
14	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	mA
		Selection guide for the calculation of the necessary battery capacity and	mA (186V)
15	Nominal current of the control gear with connected illuminant in DC- operation (186V / 216V / 240V)	selection guide for determination of the monitoring module to recognise a	mA (216V)
	De operation (2007) 22017	normal working lamp correctly.	mA (240V)
	Nominal current of the control gear with connected illuminant		mA (186V)
16	at set dimming level in DC-operation (186V / 216V / 240V)	Selection guide for determination of the monitoring module to recognise a normal working lamp correctly.	mA (216V)
	(for dimmable control gear)	normal working lamp correctly.	mA (240V)
47	Current consumption of the control gear without or with defective	Selection guide for determination of the monitoring module to recognise a	mA (186V)
17	illuminant in DC- operation (186V and 240V)	lamp failure correctly.	mA (240V)
18	Current consumption of the control gear without or with defective illuminant in AC- operation (230V)	Selection guide for determination of the monitoring module to recognise a lamp failure correctly.	mA
19	Dimming level in emergency mode (DC or "Joker") (for dimmable control gear, if activated)	Important for the safety lighting design	%
20	DC detection completely deactivalable ? (for dimmable control gear)	To ensure correct operation, the control gear should not react to a change of the input voltage (DC or "Joker"). In this case, the INOTEC DALI module (DALI-SV module or FMD 230/DALI) controls the control gear.	
21	Max. inrush current of the control gear with connected illuminant in AC- operation (230V)	Important for determining the maximum permissible number of luminaires per circuit in order to take account of the maximum contact load capacity of the circuit changeover circuit or monitoring module.	Α / μs
22	Use of DALI commands according to IEC 62386 part 102: - DPAC (level) - RECALL MAX LEVEL 0x05 - RECALL MIN LEVEL 0x06 - QUERY STATUS 0x90 - QUERY ACTUAL LEVEL 0xA0 - QUERY LAMP FAILURE 0x92	Control and status information for monitoring the luminaires: - Direct setting of a dimming value - Set maximum level - Set minimum level - Requests status telegram - Requests current dimming value - Requests lamp failure status (after 2 / 2.5 / 3 seconds!)	

	- QUERY ACTUAL LEVEL 0xA0 - QUERY LAMP FAILURE 0x92	- Requests current dimming value - Requests lamp failure status (after 2 / 2.5 / 3 seconds!)				
Lur	.uminaires, which should work as emergency lighting, have to be in accordance with DIN EN 60598-2-22. (Particular requirements - Luminaires for emergency lighting).					
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	the correctness.	Daniele Luccato				
		I Seniele Luccoto				

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Notes:

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For the correctness:

Place, Date

Daniele Luccato

Signature

Manufacturer:	Products:		INVENTRONICS GmbH
Inventronics GmbH	OT DX 40/170-240/1A0 DIMA NFC G2 CE	EAN: 4052899631649	
Berliner Allee 65	OT DX 40/170-240/1A0 DIMA NFC G2B CE	EAN: 4052899631656	inventronics
86153 Augsburg, Germany	01 DX 40/170-240/1A0 DIWA NI C 02D CL	LAN. 4032033031030	
www.inventronicsglobal.com			

Table 1

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)
	Maximum Load /mA Uout = 38 V lout = 1050 mA	200	177	204	175	156	143
	Medium Load /mA Uout = 38 V lout = 525 mA	104	100	126	107	96	89
OT DX 40/170-240/1A0 DIMA NFC G2 CE OT DX 40/170-240/1A0 DIMA NFC G2B CE	Minimum Load /mA Uout = 15 V lout = 150 mA	31	31	20	17	16	15
	No Load	19.7	21.0	3.2	3.6	3.9	3.1
	Short Load	20.2	21.0	2.3	2.6	2.9	3.0

Maximum inrush current for ECG in AC Operation:

	Ipeak [A]	TH [μs]
OT DX 40/170-240/1A0 DIMA NFC G2 CE	27	217
OT DX 40/170-240/1A0 DIMA NFC G2B CE	27	217