

Ihre Zeichen/Nachricht vom

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PL TLS MK LPD

OSRAM GmbH  
15.10.2010

## Manufacturer Declaration

### INOTEC technical requirements on the ECGs used in emergency lighting installations

Hereby we confirm, that OSRAM QUICKTRONIC® ECG of the product families QTP8, QT-FIT8, QTP5, QT<sub>i</sub>, QT<sub>i</sub> GII, QT<sub>i</sub> ... DIM, QT<sub>i</sub> DALI ... DIM, QTP-DL, QTP-D/E, QTP-T/E and QT-M comply with the IEC safety and performance requirements for lighting control gears as well as with the INOTEC technical requirements (pls. refer to the INOTEC Declaration from Jan. 22, 2009 attached) for the ECG used in the emergency lighting installations, regarding:

- DC voltage working range
- Switch time
- Detection of defective lamps
- Immunity
- Inrush current

With best regards

OSRAM  
Gesellschaft mit beschränkter Haftung

Bernhard Schemmel  
Director Central Engineering

  
Torsten Klemmer  
Product Manager FL/CFL ECG

Attachment:  
INOTEC-Declaration from January 22nd 2009

| Bearbeiter                                   | Tel. +49 89 6213-  | Fax +49 89 6213-   | e-mail  |   |
|--|--|--|---|---|
| <b>Torsten Klemmer</b>                       | <b>2122</b>  | <b>3456</b>  |   |   |
|  | Vermittlung 6213-0   | Fax zentral:<br>6213-20 20   | t.klemmer<br>@osram.de  | 1/1   |
| Briefadresse:<br>OSRAM GmbH<br>81536 München | Hausadresse:<br>OSRAM GmbH<br>Hellabrunner Straße 1<br>81543 München | OSRAM Gesellschaft<br>mit beschränkter Haftung<br>München<br>Vorsitzender des<br>Aufsichtsrates:<br>Siegfried Russwurm | Geschäftsführung:<br>Martin Goetzeler,<br>Vorsitzender<br>Thomas Schaffer | Registergericht:<br>München HRB 4151<br>WEEE-Reg.-Nr. DE 71568000 |

Herrn  
J. Cierpinski  
OSRAM GmbH  
EC D/CE – M  
Hellabrunner Straße 1  
  
81543 München

Ense, 22.01.2009

## Technical requirements for electronic control gears (ECGs) for connection at INOTEC Central Battery Systems

|   |  |                            |             |
|---|--|----------------------------|-------------|
| Operating voltage AC:   | 230V $\pm$ 10%   |                            |             |
| Operating voltage DC:   | 186V – 260V  |                            |             |
| Types of voltage:   | AC<br>DC<br>Joker-voltage (half-wave rectified AC-voltage) |                            |             |
| Switch over time AC to DC:  | 150ms – 1000ms   |                            |             |
| Switch over time DC to AC:  | 150ms – 1000ms   |                            |             |
| No-load current of ECGs:<br>(without or faulty lamp) in<br>DC-operation | < 10mA   | at J-SV-Modul/S            | (5 – 120W)  |
|   | < 45mA   | at J-SV-Modul.2/S          | (20 – 300W) |
|   | < 8mA  | at J-SV-Modul.3/S          | (2 – 30W)   |
|   | < 45mA   | at J-SV-Modul.4/S          | (18 – 120W) |
|   | < 10mA   | at J-SV-Modul.L/S          | (5 – 120W)  |
| Shutdown ECG:<br>(with faulty lamp)                                     | Within 3s  |                            |             |
| Max. inrush current per ECG:  | 80A / 500 $\mu$ s  | at J-SV-modules /S         | (all types) |
| Max. total inrush current:<br>per circuit:                              | 250A / 500 $\mu$ s   | at change over module 2x3A |             |
|   | 250A / 500 $\mu$ s   | at change over module 1x6A |             |
|   | 250A / 500 $\mu$ s   | at change over module 4x2A |             |
|   | 250A / 500 $\mu$ s   | at change over module 2x4A |             |

With best regards  
**INOTEC** Sicherheitstechnik GmbH  
p.p.



Frank Totzeck