

EMC test

General information

Subject : IZYLUM 1 - 20 led's LH351C - OSRAM OT 75W driver 700mA - Nema - Class I

Asked by : SZÜGYI János Péter

Created on : 18/11/2019

Started on : 10/12/2019

Test number : D191074

Reference norm : EN 55015 - EN 61547 + IEC 61000-3-2 Standards

Sample(s) : E190748

Folder : P-F19084

Test conditions

Luminaire : IZYLUM 1

Operator : External Lab

Description : 20 led's LH351C

Electrical class : Class I EU

Driver : Optotronic OT 75/170-240/1A 4DIMLT2 G2 CE / 00-53-398

Number of driver(s) : 1

Current setting (mA) : 700

Dimming minimum value : 20 %

Dimming protocol : DALI

Control system : LuCo P7

Overvoltage protection : Schröder Fuse control LSP05GICPCM6

Testing facility : External - EMC - Laborelec

External test report reference : LBE04139957 - 1.0

Conclusion



Success

IZYLUM 1 - 20 led's with OSRAM OT75W driver complies with EN 55015 & EN 61547 Standards.

Remark: extra surges 10 Kv OK

Validated by :

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LAB : 10/12/2019

D191074

1/2

Summary of test

Test(s)

Name	Description	Result
Complete EMC test (10 Kv Surges)	<p>Emission measurements (EN 55015):</p> <ul style="list-style-type: none">- Terminal disturbance- Radiated emissions- Conducted emissions <p>Harmonics (IEC/EN 61000-3-2)</p> <p>Immunity measurements (IEC/EN 61547)</p> <ul style="list-style-type: none">- Electrostatic discharge (IEC/EN 61000-4-2)- Radiated, radio frequency electromagnetic field (IEC/EN 61000-4-3)- Fast transients (IEC/EN 61000-4-4)- Surges (IEC/EN 61000-4-5)- Injected currents (IEC/EN 61000-4-6)- Power frequency magnetic field immunity (IEC/EN 61000-4-8)- Voltage dips & interruptions (IEC/EN 61000-4-11)	Success

Complete EMC test (10 Kv Surges)

Annex(es)

