

Laboratory Test report

FORM L-54 V2

Schröder
Experts in lightability™

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EMC test

General information

Subject : IZYLUM LT1

Asked by : LERHO Xavier

Created on : 31/05/2023

Started on : 31/05/2023

Test number : D230619

Reference norm : EN 55015 (2019) +A11 (2020) + IEC/EN 61000-3-2 Ed5 (2018) +A1 (2020)

Test conditions

Luminaire : IZYLUM LT 1

Operator : LERHO Xavier

Description :

This report covers the tested drivers below in Cl. I & Cl II:

- SIGNIFY SR 75W (01-42-078)
- SOSEN PA 75W (03-48-093)
- OSRAM DX 75W (00-86-512)
- SIGNIFY FP 75W (02-58-000)
- MOSO U6 80W (02-04-914)
- OSRAM 4DIM 75W (00-53-398)

Number of driver(s) : 1

Current setting (mA) : 1050

Dimming minimum value : 20

Dimming protocol : DALI/0-10V

Control system : NEMA or Zhaga socket in function of the configuration.

Overvoltage protection : SP3/230/10K/i for Cl. I and MOV for Cl. II

Testing facility : HUS - Schröder Magyarország Zrt.

Conclusion



Success

Conclusion :

IZYLUM LT1 Cl. I and II with drivers in description list complies with "Conducted emissions" & "CDNE method" tests (EN55015) + Harmonics (EN61000-3-2) in internal lab.

Validated by :
LERHO Xavier

Duplicate to : SZÜGYI János Péter, Dorflinger Tamas,
VINCZE Zsolt
LAB : 02/06/2023

D230619
1/4

Test(s) details

Test(s)

Name	Description	Verdict
IZYLUM LT 1 - 24LEDs SEOUL5050 - SIGNIFY SR 75W (01-42-078) - 1050mA - Zhaga socket - Cl. I	Emission measurements (EN 55015): - Radiated emissions - Conducted emissions Harmonics (IEC/EN 61000-3-2)	Success
IZYLUM LT 1 - 24LEDs SEOUL5050 - SIGNIFY SR 75W (01-42-078) - 1050mA - Zhaga socket - Cl. II	Emission measurements (EN 55015): - Radiated emissions - Conducted emissions Harmonics (IEC/EN 61000-3-2)	Success
IZYLUM LT 1 - 24LEDs SEOUL5050 - SIGNIFY FP 75W (02-58-000) - 1050mA - NEMA Socket - Cl. I	Emission measurements (EN 55015): - Radiated emissions - Conducted emissions Harmonics (IEC/EN 61000-3-2)	Success
IZYLUM LT 1 - 24LEDs SEOUL5050 - SIGNIFY FP 75W (02-58-000) - 1050mA - NEMA socket - Cl. II	Emission measurements (EN 55015): - Radiated emissions - Conducted emissions Harmonics (IEC/EN 61000-3-2)	Success
IZYLUM LT 1 - 24LEDs SEOUL5050 - SOSEN PA 75W (03-48-093) - 1050mA - NEMA Socket - Cl. I	Emission measurements (EN 55015): - Radiated emissions - Conducted emissions Harmonics (IEC/EN 61000-3-2)	Success
IZYLUM LT 1 - 24LEDs SEOUL5050 - SOSEN PA 75W (03-48-093) - 1050mA - NEMA Socket - Cl. II	Emission measurements (EN 55015): - Radiated emissions - Conducted emissions Harmonics (IEC/EN 61000-3-2)	Success
IZYLUM LT 1 - 24LEDs SEOUL5050 - OSRAM DX 75W (00-86-512) - 1050mA - Zhaga socket - Cl. I	Emission measurements (EN 55015): - Radiated emissions - Conducted emissions Harmonics (IEC/EN 61000-3-2)	Success
IZYLUM LT 1 - 24LEDs SEOUL5050 - OSRAM DX 75W (00-86-512) - 1050mA - Zhaga socket - Cl. II	Emission measurements (EN 55015): - Radiated emissions - Conducted emissions Harmonics (IEC/EN 61000-3-2)	Success
IZYLUM LT 1 - 24LEDs SEOUL5050 - OSRAM 4DIM 75W (00-53-398) - 1050mA - NEMA Socket - Cl. I	Emission measurements (EN 55015): - Radiated emissions - Conducted emissions Harmonics (IEC/EN 61000-3-2)	Success
IZYLUM LT 1 - 24LEDs SEOUL5050 - OSRAM 4DIM 75W (00-53-398) - 1050mA - NEMA Socket - Cl. II	Emission measurements (EN 55015): - Radiated emissions - Conducted emissions Harmonics (IEC/EN 61000-3-2)	Success
IZYLUM LT 1 - 25LEDs LH351C - MOSO U6 80W (02-04-914) - 1050mA - NEMA Socket - Cl. I	Emission measurements (EN 55015): - Radiated emissions - Conducted emissions Harmonics (IEC/EN 61000-3-2)	Success
IZYLUM LT 1 - 25LEDs LH351C - MOSO U6 80W (02-04-914) - 1050mA - NEMA Socket - Cl. II	Emission measurements (EN 55015): - Radiated emissions - Conducted emissions Harmonics (IEC/EN 61000-3-2)	Success

IZYLUM LT 1 - 24LEDs SEOUL5050 - SIGNIFY SR 75W (01-42-078) - 1050mA - Zhaga socket - Cl. I

Verdict(s)

Internal reports (EMC Database): HUS230204 to 208.

IZYLUM LT 1 - 24LEDs SEOUL5050 - SIGNIFY SR 75W (01-42-078) - 1050mA - Zhaga socket - Cl. II

Verdict(s)

Internal reports (EMC Database): HUS230108 to 112.

IZYLUM LT 1 - 24LEDs SEOUL5050 - SIGNIFY FP 75W (02-58-000) - 1050mA - NEMA Socket - Cl. I

Verdict(s)

Internal reports (EMC Database): HUS230001 to 005.

IZYLUM LT 1 - 24LEDs SEOUL5050 - SIGNIFY FP 75W (02-58-000) - 1050mA - NEMA socket - Cl. II

Verdict(s)

Internal reports (EMC Database): HUS230006 to 010.

IZYLUM LT 1 - 24LEDs SEOUL5050 - SOSEN PA 75W (03-48-093) - 1050mA - NEMA Socket - Cl. I

Verdict(s)

Internal reports (EMC Database): HUS230209 to 213.

IZYLUM LT 1 - 24LEDs SEOUL5050 - SOSEN PA 75W (03-48-093) - 1050mA - NEMA Socket - Cl. II

Verdict(s)

Internal reports (EMC Database): HUS230229 to 233.

IZYLUM LT 1 - 24LEDs SEOUL5050 - OSRAM DX 75W (00-86-512) - 1050mA - Zhaga socket - Cl. I

Verdict(s)

Internal reports (EMC Database): HUS230021 to 025.

IZYLUM LT 1 - 24LEDs SEOUL5050 - OSRAM DX 75W (00-86-512) - 1050mA - Zhaga socket - Cl. II

Verdict(s)

Internal reports (EMC Database): HUS230224 to 228.

IZYLUM LT 1 - 24LEDs SEOUL5050 - OSRAM 4DIM 75W (00-53-398) - 1050mA - NEMA Socket - Cl. I

Verdict(s)

Internal reports (EMC Database): HUS230011 to 015.

IZYLUM LT 1 - 24LEDs SEOUL5050 - OSRAM 4DIM 75W (00-53-398) - 1050mA - NEMA Socket - Cl. II

Verdict(s)

Internal reports (EMC Database): HUS230016 to 020.

IZYLUM LT 1 - 25LEDs LH351C - MOSO U6 80W (02-04-914) - 1050mA - NEMA Socket - Cl. I

Verdict(s)

Internal reports (EMC Database): HUS230076 to 080.

IZYLUM LT 1 - 25LEDs LH351C - MOSO U6 80W (02-04-914) - 1050mA - NEMA Socket - Cl. II

Verdict(s)

Internal reports (EMC Database): HUS230081 to 085.

Number of appendix pages : 180

End of test report :
