

# EMC test

## General information

Subject : IZYLUM LT2

Asked by : LERHO Xavier

Created on : 01/06/2023

Started on : 01/06/2023

Test number : D230620

Reference norm : EN 55015 (2019) +A11 (2020) - IEC/EN 61547 Ed3 (2020) + IEC/EN 61000-3-2 Ed5 (2018) +A1 (2020)

## Test conditions

Luminaire : IZYLUM LT 2

Operator : LERHO Xavier

Description :

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

- SIGNIFY FP 110W (02-58-002)
- SIGNIFY SR 110W (01-42-097)
- OSRAM 4DIM 110W (00-53-404)
- OSRAM DX 110W (00-98-794)
- OSRAM ICUTRONIC (02-53-576)
- MOSO U6 120W (02-04-917)
- MOSO XCP 105W (03-50-424)
- INVENTRONICS EBS 120W (03-49-073)
- INVENTRONICS EUM 100W (02-43-632 Cl. II & 03-45-517 Cl. I)

Number of LEDs : 48

LED Type : Seoul 5050

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 LT2 Cl. I & II with drivers as in description above complies in "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 : 05/06/2023

**D230620**

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## Test(s) details

### Test(s)

Name	Description	Verdict
IZYLUM LT 2 - 48LEDs SEOUL5050 - SIGNIFY FP 110W (02-58-002) - 1050mA - NEMA socket - Cl. I	Emission measurements (EN 55015): - Radiated emissions - Conducted emissions Harmonics (IEC/EN 61000-3-2)	Success
IZYLUM LT 2 - 48LEDs SEOUL5050 - SIGNIFY FP 110W (02-58-002) - 1050mA - NEMA socket - Cl. II	Emission measurements (EN 55015): - Radiated emissions - Conducted emissions Harmonics (IEC/EN 61000-3-2)	Success
IZYLUM LT 2 - 48LEDs SEOUL5050 - SIGNIFY SR 110W (01-42-097) - 1050mA - ZHAGA socket - Cl. I	Emission measurements (EN 55015): - Radiated emissions - Conducted emissions Harmonics (IEC/EN 61000-3-2)	Success
IZYLUM LT 2 - 48LEDs SEOUL5050 - SIGNIFY SR 110W (01-42-097) - 1050mA - ZHAGA socket - Cl. II	Emission measurements (EN 55015): - Radiated emissions - Conducted emissions Harmonics (IEC/EN 61000-3-2)	Success
IZYLUM LT 2 - 48LEDs SEOUL5050 - OSRAM 4DIM 110W (00-53-404) - 1050mA - NEMA socket - Cl. I	Emission measurements (EN 55015): - Radiated emissions - Conducted emissions Harmonics (IEC/EN 61000-3-2)	Success
IZYLUM LT 2 - 48LEDs SEOUL5050 - OSRAM 4DIM 110W (00-53-404) - 1050mA - NEMA socket - Cl. II	Emission measurements (EN 55015): - Radiated emissions - Conducted emissions Harmonics (IEC/EN 61000-3-2)	Success
IZYLUM LT 2 - 48LEDs SEOUL5050 - OSRAM DX 110W (00-98-794) - 1050mA - ZHAGA socket - Cl. I	Emission measurements (EN 55015): - Radiated emissions - Conducted emissions Harmonics (IEC/EN 61000-3-2)	Success
IZYLUM LT 2 - 48LEDs SEOUL5050 - OSRAM DX 110W (00-98-794) - 1050mA - ZHAGA socket - Cl. II	Emission measurements (EN 55015): - Radiated emissions - Conducted emissions Harmonics (IEC/EN 61000-3-2)	Success
IZYLUM LT 2 - 48LEDs SEOUL5050 - OSRAM ICUTONIC 110W (02-53-576) - 1050mA - NEMA socket - Cl. I	Emission measurements (EN 55015): - Radiated emissions - Conducted emissions Harmonics (IEC/EN 61000-3-2)	Success
IZYLUM LT 2 - 48LEDs SEOUL5050 - OSRAM ICUTONIC 110W (02-53-576) - 1050mA - NEMA socket - Cl. II	Emission measurements (EN 55015): - Radiated emissions - Conducted emissions Harmonics (IEC/EN 61000-3-2)	Success
IZYLUM LT 2 - 48LEDs SEOUL5050 - MOSO U6 120W (02-04-917) - 1050mA - NEMA socket - Cl. I	Emission measurements (EN 55015): - Radiated emissions - Conducted emissions Harmonics (IEC/EN 61000-3-2)	Success
IZYLUM LT 2 - 48LEDs SEOUL5050 - MOSO U6 120W (02-04-917) - 1050mA - NEMA socket - Cl. II	Emission measurements (EN 55015): - Radiated emissions - Conducted emissions Harmonics (IEC/EN 61000-3-2)	Success

IZYLUM LT 2 - 48LEDs SEOUL5050 - MOSO XCP 105W (03-50-424) - 1050mA - NEMA socket - Cl. I	Emission measurements (EN 55015): - Radiated emissions - Conducted emissions Harmonics (IEC/EN 61000-3-2)	Success
IZYLUM LT 2 - 48LEDs SEOUL5050 - MOSO XCP 105W (03-50-424) - 1050mA - NEMA socket - Cl. II	Emission measurements (EN 55015): - Radiated emissions - Conducted emissions Harmonics (IEC/EN 61000-3-2)	Success
IZYLUM LT 2 - 48LEDs SEOUL5050 - INVENTRONICS EBS 120W (03-49-073) - 1050mA - ZHAGA socket - Cl. I	Emission measurements (EN 55015): - Radiated emissions - Conducted emissions Harmonics (IEC/EN 61000-3-2)	Success
IZYLUM LT 2 - 48LEDs SEOUL5050 - INVENTRONICS EBS 120W (03-49-073) - 1050mA - ZHAGA socket - Cl. II	Emission measurements (EN 55015): - Radiated emissions - Conducted emissions Harmonics (IEC/EN 61000-3-2)	Success
IZYLUM LT 2 - 48LEDs SEOUL5050 - INVENTRONICS EUM 100W (03-45-517) - 1050mA - ZHAGA socket - Cl. I	Emission measurements (EN 55015): - Radiated emissions - Conducted emissions Harmonics (IEC/EN 61000-3-2)	Success
IZYLUM LT 2 - 48LEDs SEOUL5050 - INVENTRONICS EUM 100W (02-43-632) - 1050mA - ZHAGA socket - Cl. II	Emission measurements (EN 55015): - Radiated emissions - Conducted emissions Harmonics (IEC/EN 61000-3-2)	Success

**IZYLUM LT 2 - 48LEDs SEOUL5050 - SIGNIFY FP 110W (02-58-002) - 1050mA - NEMA socket - Cl. I**

**Verdict(s)**

Internal reports (EMC Database): HUS230214 to 218.

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**IZYLUM LT 2 - 48LEDs SEOUL5050 - SIGNIFY FP 110W (02-58-002) - 1050mA - NEMA socket - Cl. II**

**Verdict(s)**

Internal reports (EMC Database): HUS230133 to 137.

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**IZYLUM LT 2 - 48LEDs SEOUL5050 - SIGNIFY SR 110W (01-42-097) - 1050mA - ZHAGA socket - Cl. I**

**Verdict(s)**

Internal reports (EMC Database): HUS230219 to 223.

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**IZYLUM LT 2 - 48LEDs SEOUL5050 - SIGNIFY SR 110W (01-42-097) - 1050mA - ZHAGA socket - Cl. II**

**Verdict(s)**

Internal reports (EMC Database): HUS230128 to 132.

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**IZYLUM LT 2 - 48LEDs SEOUL5050 - OSRAM 4DIM 110W (00-53-404) - 1050mA - NEMA socket - Cl. I**

**Verdict(s)**

Internal reports (EMC Database): HUS230138 to 142.

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**IZYLUM LT 2 - 48LEDs SEOUL5050 - OSRAM 4DIM 110W (00-53-404) - 1050mA - NEMA socket - Cl. II**

**Verdict(s)**

Internal reports (EMC Database): HUS230143 to 147.

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**IZYLUM LT 2 - 48LEDs SEOUL5050 - OSRAM DX 110W (00-98-794) - 1050mA - ZHAGA socket - Cl. I**

**Verdict(s)**

Internal reports (EMC Database): HUS230148 to 152.

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**IZYLUM LT 2 - 48LEDs SEOUL5050 - OSRAM DX 110W (00-98-794) - 1050mA - ZHAGA socket - Cl. II**

**Verdict(s)**

Internal reports (EMC Database): HUS230153 to 157.

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**IZYLUM LT 2 - 48LEDs SEOUL5050 - OSRAM ICUTONIC 110W (02-53-576) - 1050mA - NEMA socket - Cl. I**

**Verdict(s)**

Internal reports (EMC Database): HUS230158 to 162.

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**IZYLUM LT 2 - 48LEDs SEOUL5050 - OSRAM ICUTONIC 110W (02-53-576) - 1050mA - NEMA socket - Cl. II**

**Verdict(s)**

Internal reports (EMC Database): HUS230163 to 167.

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**IZYLUM LT 2 - 48LEDs SEOUL5050 - MOSO U6 120W (02-04-917) - 1050mA - NEMA socket - Cl. I**

**Verdict(s)**

Internal reports (EMC Database): HUS230178 to 182.

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**IZYLUM LT 2 - 48LEDs SEOUL5050 - MOSO U6 120W (02-04-917) - 1050mA - NEMA socket - Cl. II**

**Verdict(s)**

Internal reports (EMC Database): HUS230183 to 187.

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**IZYLUM LT 2 - 48LEDs SEOUL5050 - MOSO XCP 105W (03-50-424) - 1050mA - NEMA socket - Cl. I**

**Verdict(s)**

Internal reports (EMC Database): HUS230188 to 192.

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**IZYLUM LT 2 - 48LEDs SEOUL5050 - MOSO XCP 105W (03-50-424) - 1050mA - NEMA socket - Cl. II**

**Verdict(s)**

Internal reports (EMC Database): HUS230234 to 238.

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**IZYLUM LT 2 - 48LEDs SEOUL5050 - INVENTRONICS EBS 120W (03-49-073) - 1050mA - ZHAGA socket - Cl. I**

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**Verdict(s)**

Internal reports (EMC Database): HUS230244 to 248.

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**IZYLUM LT 2 - 48LEDs SEOUL5050 - INVENTRONICS EBS 120W (03-49-073) - 1050mA - ZHAGA socket - Cl.**

**II**

**Verdict(s)**

Internal reports (EMC Database): HUS230195 to 198.

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**IZYLUM LT 2 - 48LEDs SEOUL5050 - INVENTRONICS EUM 100W (03-45-517) - 1050mA - ZHAGA socket -**

**Cl. I**

**Verdict(s)**

Internal reports (EMC Database): HUS230199 to 203.

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**IZYLUM LT 2 - 48LEDs SEOUL5050 - INVENTRONICS EUM 100W (02-43-632) - 1050mA - ZHAGA socket -**

**Cl. II**

**Verdict(s)**

Internal reports (EMC Database): HUS230239 to 243.

**Number of appendix pages : 280**

**End of test report :**

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