# CERTIFICATE

Issued to:
Applicant:
**Hadler GmbH**
**Fritzlarer Straße 19**
**34587 Felsberg, Germany**

Manufacturer/Licensee:
**Hadler GmbH**
**Fritzlarer Straße 19**
**34587 Felsberg, Germany**

| | | |
|---|---|---|
| Products | : | Luminaires with fluorescent lamps |
| Trade name | : | LUXSYSTEM |
| Model | : | SL20.1 |

The product and any acceptable variation thereto is specified in the Annex to this certificate and the documents therein referred to.

DEKRA hereby declares that the above-mentioned product has been certified on the basis of:
- a type test according to the standard EN 60598-1:2008; EN 60598-2-1:1989
- an inspection of the production location according to CENELEC Operational Document CIG 021
- a certification agreement with the number 997596

DEKRA hereby grants the right to use the ENEC KEMA-KEUR certification mark.

The ENEC KEMA-KEUR certification mark may be applied to the product as specified in this certificate for the duration of the ENEC KEMA-KEUR certification agreement and under the conditions of the ENEC KEMA-KEUR certification agreement.

This certificate is issued on: 21 December 2011 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 2149338.01

DEKRA Certification B.V.

drs. G.J. Zoetbrood
Managing Director

T. Drost
Certification Manager

© Integral publication of this certificate is allowed

All testing, inspection, auditing and certification activities of the former KEMA Quality are an integral part of the DEKRA Certification Group.

ACCREDITED BY
THE DUTCH COUNCIL
FOR ACCREDITATION

PRODUCTS
RvA C 001

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## SPECIFICATION OF THE CERTIFIED PRODUCT

**Product data**

| | | |
|---|---|---|
| product | : | Luminaires with fluorescent lamps |
| trade name | : | LUXSYSTEM |
| type | : | 7 E 114 XY Z<br>7 E 121 XY Z<br>7 E 124 XY Z<br>7 E 128 XY Z<br>7 E 135 XY Z<br>7 E 139 XY Z<br>7 E 149 XY Z<br>7 E 154 XY Z<br>7 E 180 XY Z |
| rated voltage | : | 220-240 V |
| nature of supply | : | ac/dc |
| rated wattage | : | see product data per type |
| rated frequency | : | 0/50-60 Hz |
| class | : | I |
| degree of protection | : | IP20 |
| ambient temperature (ta) | : | 40 °C |

**Additional information**

- for fixed connection to the supply
- for inside use only
- the suffix "X" in the type designation is for the top cover design and for the colors of the enclosure and end caps
- the suffix "Y" in the type designation is for the different variations of the supply connection
- the last suffix "Z" in the type designation is indicating the electronic ballast
  "0" = standard, "3" = dimmable 1...10 V, "6" = dimmable DALI, "7" = dimmable 1..10 V

**Product data - type 7 E 114 XY Z**

| | | |
|---|---|---|
| rated wattage / lamp type | : | 1 x 14 W / T5 |

**Product data - type 7 E 121 XY Z**

| | | |
|---|---|---|
| rated wattage / lamp type | : | 1 x 21 W / T5 |

**Product data - type 7 E 124 XY Z**

| | | |
|---|---|---|
| rated wattage / lamp type | : | 1 x 24 W / T5 |

**Product data - type 7 E 128 XY Z**

| | | |
|---|---|---|
| rated wattage / lamp type | : | 1 x 28 W / T5 |

**Product data - type 7 E 135 XY Z**
rated wattage / lamp type : 1 x 35 W / T5

**Product data - type 7 E 139 XY Z**
rated wattage / lamp type : 1 x 39 W / T5

**Product data - type 7 E 149 XY Z**
rated wattage / lamp type : 1 x 49 W / T5

**Product data - type 7 E 154 XY Z**
rated wattage / lamp type : 1 x 54 W / T5

**Product data - type 7 E 180 XY Z**
rated wattage / lamp type : 1 x 80 W / T5

**TESTS**

**Test requirements**
EN 60598-1:2008 + A11:2009
EN 60598-2-1:1989

**Test results**
The test results are laid down in DEKRA test file 2149338.00.

**Remark**
This certificate supersedes certificate no. 2119708.05 issued December 8 th, 2008.

**Conclusion**
The examination proved that all test requirements were met.

Tested by : M. Müller

Checked by : T.H.J.M. Michels

**Factory location**
Hadler GmbH
Fritzlarer Straße 19, 34587 Felsberg
Germany

**List of components**

| Component | trade name | type/model | approval mark [1)] |
|---|---|---|---|
| electronic ballast | Hadler | 3 P 135 11 1<br>1 x 14, 21, 28, 35 W | * |
| electronic ballast | Hadler | 3 P 139 11 1<br>1 x 24/39 W | * |
| electronic ballast | Hadler | 3 P 149 11 0<br>1 x 49 W | * |
| electronic ballast | Hadler | 3 P 154 15 0<br>1 x 54 W | * |
| electronic ballast | Hadler | 3 P 180 15 0<br>1 x 80 W | * |
| electronic ballast | Hadler | 3 P 135 16 5<br>1 x14, 21, 28, 35 W | ENEC |
| electronic ballast | Hadler | 3 P 139 16 5<br>1 x 24,39 W | ENEC |
| electronic ballast | Hadler | 3 P 149 16 5<br>1 x 49 W | ENEC |
| electronic ballast | Hadler | 3 P 154 16 5<br>1 x 54 W | ENEC |
| electronic ballast | Hadler | 3 P 180 16 5<br>1 x 80 W | ENEC |
| electronic ballast | Hadler | 3 P 139 11 6<br>1 x 21/39 W | ENEC |
| electronic ballast | Hadler | 3 P 154 11 6<br>1 x 28, 54 W | ENEC |
| electronic ballast | Hadler | 3 P 180 11 6<br>1 x 35, 49, 80 W | ENEC |
| electronic ballast | Hadler | 3 P 139 11 7<br>1 x 21, 39 W | ENEC |
| electronic ballast | Hadler | 3 P 154 11 7<br>1 x 28, 54 W | ENEC |
| electronic ballast | Hadler | 3 P 180 11 7<br>1 x 35, 49, 80 W | ENEC |
| electronic ballast | Hadler | 3 P 135 11 0<br>1 x 14, 21, 28, 35 W | * |
| electronic ballast | Hadler | 3 P 139 11 0<br>1 x 24/39 W | * |
| connector | Hadler | SLS 10 / 11, 1A/10A KEMA<br>TRF no. 2097442.01A | * |

**List of components**

| | | | |
|---|---|---|---|
| lampholder | BJB | 26.641 (G5) | ENEC |
| internal wiring | various | H05V-U 1x0,5mm² | VDE |
| internal wiring | various | H05V-K 1x1,0 mm² | VDE |
| external wiring | various | H03VV-F 0,75 mm² | VDE |
| external wiring | various | H05VV-F 1,0 ... 1,5 mm² | VDE |
| [1]) * indicates a component tested as part of the appliance | | | |