

CERTIFICATE

KEMA No.: **2115028.01**Issued to:
Applicant:**Lumotech Holland B.V.**
Celciusstraat 20
1704 RW, HEERHUGOWAARD, The Netherlands

Manufacturer/Licensee:

Lumotech Holland B.V.
Celciusstraat 20
1704 RW, HEERHUGOWAARD, The Netherlands

Product : LED convertor
Trade names : CLS, DE, ELC, LUMIDRIVES, LUMOTECH, NEWLEC
Types : 1-12VA MINIDIM, CLS MTD43 LED Driver, HES 58, L05021 1-12VA MINIDIM,
MINIDIM-70

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

KEMA hereby declares that the above-mentioned product has been certified on the basis of:

- a type test according to the standard EN 61347-1:2001, EN 61347-2-13:2006, EN 62384:2006
- an inspection of the production location according to CENELEC Operational Document CIG 021
- a certification agreement with the number 982938

KEMA 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: January 5, 2009 and expires upon withdrawal of one of the above mentioned standards.

KEMA Quality B.V.

drs. G.J. Zoetbrood
Managing DirectorP.G.M. Roelofs
Certification ManagerACCREDITED BY
THE DUTCH COUNCIL
FOR ACCREDITATION

© Integral publication of this certificate is allowed

SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

Product	:	LED convertor
trade names	:	CLS, DE, ELC, LUMIDRIVES, LUMOTECH, NEWLEC
types	:	1-12VA MINI DIM, CLS MTD43 LED Driver, HES 58, L05021 LEDlight 1-12VA MINI DIM, MINIDIM-70
rated current	:	350 mA, 700 mA
input rated voltage	:	230-240 V
output rated voltage	:	3-32 Vdc
nature of supply	:	ac
rated frequency	:	50 Hz
rated input	:	1-12 VA
rated ambient temperature	:	45 °C
maximum case temperature	:	tc=85 °C
temperature declared thermally	:	110 °C
protected convertor	:	
class	:	II
degree of protection	:	IP20
description	:	independent convertor

Additional information

- designed for 1-9 LEDs x 1W (350 mA) or 1-4 LEDs x 3W, (700mA), trailing edge dimmable.

Product data - type 1-12VA MINI DIM

input rated voltage	:	110-240 V
output rated voltage	:	32 Vdc max
rated frequency	:	50-60 Hz

Product data - type CLS MTD43 LED Driver

input rated voltage	:	110-240 V
output rated voltage	:	32 Vdc max
rated frequency	:	50-60 Hz

Product data - type HES 58

input rated voltage	:	110-240 V
output rated voltage	:	32 Vdc max
rated frequency	:	50-60 Hz

Product data - type L05021 LEDlight 1-12VA MINI DIM

input rated voltage	:	110-240 V
output rated voltage	:	32 Vdc max
rated frequency	:	50-60 Hz

Product data - type MINIDIM-70

input rated voltage	:	110-240 V
output rated voltage	:	32 Vdc max
rated frequency	:	50-60 Hz

TESTS**Test requirements**

EN 61347-1:2001
EN 61347-2-13:2006
EN 62384:2006

Test result(s)

The test results are laid down in KEMA test file 2115028.01.

Remarks

This certificate supersedes the previous certificate 2115028.01 issued August 18, 2008

Conclusion

The examination proved that all test requirements were met.

Tested by : H.J.H. te Lindert

Checked by : T. Drost

Two handwritten signatures in blue ink. The first signature is above the name "H.J.H. te Lindert" and the second is above the name "T. Drost".**Factory location**

Lumotech Holland B.V.,
Celciusstraat 20, 1704 RW, HEERHUGOWAARD, The Netherlands

List of components

Component	trade name	type/model	approval mark ¹⁾
screwsless terminals	Stelvio	MRT24	VDE
¹⁾ * indicates a component tested as part of the appliance			