

CERTIFICATE

Issued to:
Applicant:
MEAN WELL Enterprises Co., Ltd.
No.28, Wuquan 3rd Rd, Wugu District
24891 New Taipei City, Taiwan

Licensee:
MEAN WELL Enterprises Co., Ltd.
No.28, Wuquan 3rd Rd, Wugu District
24891 New Taipei City, Taiwan

Product : Independent LED driver
Trade name(s) : MEAN WELL
Type(s)/model(s) : ELG-150-CXY, ELG-150-XY

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(s) EN 61347-1:2015, EN 61347-1:2015/A1:2021, EN 61347-2-13:2014, EN 61347-2-13:2014/A1:2017 and EN IEC 62384:2020
- an inspection of the factory location according to CENELEC Operational Document CIG 021
- a DEKRA certification agreement with the number 2175773

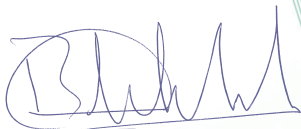
DEKRA hereby grants the right to use the ENEC certification mark.

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

This certificate is issued on 4 January 2023 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 35-103225 REV.1

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



K. Lin
Certification Manager

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COUNCIL



SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

Product	: Independent LED driver
Trade name(s)	: MEAN WELL
Type(s)/model(s)	: ELG-150-12, ELG-150-12A, ELG-150-12AB, ELG-150-12AD2, ELG-150-12ADA, ELG-150-12B, ELG-150-12BE, ELG-150-12D, ELG-150-12D2, ELG-150-12DA, ELG-150-24, ELG-150-24A, ELG-150-24AB, ELG-150-24AD2, ELG-150-24ADA, ELG-150-24B, ELG-150-24BE, ELG-150-24D, ELG-150-24D2, ELG-150-24DA, ELG-150-36, ELG-150-36A, ELG-150-36AB, ELG-150-36AD2, ELG-150-36ADA, ELG-150-36B, ELG-150-36BE, ELG-150-36D, ELG-150-36D2, ELG-150-36DA, ELG-150-42, ELG-150-42A, ELG-150-42AB, ELG-150-42AD2, ELG-150-42ADA, ELG-150-42B, ELG-150-42BE, ELG-150-42D, ELG-150-42D2, ELG-150-42DA, ELG-150-48, ELG-150-48A, ELG-150-48AB, ELG-150-48AD2, ELG-150-48ADA, ELG-150-48B, ELG-150-48BE, ELG-150-48D, ELG-150-48D2, ELG-150-48DA, ELG-150-54, ELG-150-54A, ELG-150-54AB, ELG-150-54AD2, ELG-150-54ADA, ELG-150-54B, ELG-150-54BE, ELG-150-54D, ELG-150-54D2, ELG-150-54DA, ELG-150-C1400, ELG-150-C1400A, ELG-150-C1400AB, ELG-150-C1400AD2, ELG-150-C1400ADA, ELG-150-C1400B, ELG-150-C1400BE, ELG-150-C1400D, ELG-150-C1400D2, ELG-150-C1400DA, ELG-150-C1750, ELG-150-C1750A, ELG-150-C1750AB, ELG-150-C1750AD2, ELG-150-C1750ADA, ELG-150-C1750B, ELG-150-C1750BE, ELG-150-C1750D, ELG-150-C1750D2, ELG-150-C1750DA, ELG-150-C2100, ELG-150-C2100A, ELG-150-C2100AB, ELG-150-C2100AD2, ELG-150-C2100ADA, ELG-150-C2100B, ELG-150-C2100BE, ELG-150-C2100D, ELG-150-C2100D2 and ELG-150-C2100DA
Rated input voltage	: 100-240 Vac
Rated frequency	: 50/60 Hz
Power factor	: 0,95
Max. case temperature (tc)	: 90 °C
Class of insulation	: Class I
Description	: Constant current mode Thermal, short-circuit and overload protection with MM signs

TESTS**Test requirements**

EN 61347-1:2015
EN 61347-1:2015/A1:2021
EN 61347-2-13:2014
EN 61347-2-13:2014/A1:2017
EN IEC 62384:2020

Test result

The test results are laid down in DEKRA test file 438221400, 439781400.

Additional information

This certificate replaces certificate No. 35-103225 which we hereby declare invalid.

The list of components is laid down in test report 4382214.50, 4397814.50.

Conclusion

The examination proved that all requirements were met.

Factory location

MEAN WELL (GUANGZHOU) Electronics Co., Ltd.
No.11 Jingu South Road, Huadu District,
510890 Guangzhou Guangdong, China

Trade name(s) : MEAN WELL stands for


Model list:

Model No	Input voltage	Input current	Output voltage (Vdc)	Output current	Output power (W)
ELG-150-C1400Y	100-200 V	1,7 A	54-75 Vdc, max. 115 Vdc	1,4 A	105
	200-240 V		54-107 Vdc, max. 115 Vdc		149,8
ELG-150-C1750Y	100-200 V	1,7 A	43-60 Vdc, max. 94 Vdc	1,75 A	105
	200-240 V		43-86 Vdc, max. 94 Vdc		150,5
ELG-150-C2100Y	100-200 V	1,7 A	36-50 Vdc, max. 80 V	2,1 A	105
	200-240 V		36-72 Vdc, max. 80 V		151,2
ELG-150-12Y	100-200 V	1,7 A	12 Vdc	--	84
	200-240 V				120
ELG-150-24Y	100-200 V	1,7 A	24 Vdc	--	105
	200-240 V				150
ELG-150-36Y	100-200 V	1,7 A	36 Vdc	--	105
	200-240 V				150,1
ELG-150-42Y	100-200 V	1,7 A	42 Vdc	--	105
	200-240 V				150
ELG-150-48Y	100-200 V	1,7 A	48 Vdc	--	105
	200-240 V				150,2
ELG-150-54Y	100-200 V	1,7 A	54 Vdc	--	105
	200-240 V				151,2
ELG-150-C1400BE	100-200 V	1,7 A	V _O : 54-75 Vdc, max. 115 Vdc V _{AUX} : 15 Vdc	I _O : 1,4 A I _{AUX} : 300 mA	W _O : 105 W _{AUX} : 4,5
	200-240 V		V _O : 54-95 Vdc, max. 115 Vdc V _{AUX} : 15 Vdc		W _O : 133 W _{AUX} : 4,5
ELG-150-C1750BE	100-200 V	1,7 A	V _O : 43-60 Vdc, max. 94 Vdc V _{AUX} : 15 Vdc	I _O : 1,75 A I _{AUX} : 300 mA	W _O : 105 W _{AUX} : 4,5
	200-240 V		V _O : 43-76 Vdc, max. 94 Vdc V _{AUX} : 15 Vdc		W _O : 133 W _{AUX} : 4,5
ELG-150-C2100BE	100-200 V	1,7 A	V _O : 36-50 Vdc, max. 80 V V _{AUX} : 15 Vdc	I _O : 2,1 A I _{AUX} : 300 mA	W _O : 105 W _{AUX} : 4,5
	200-240 V		V _O : 36-64 Vdc, max. 80 V V _{AUX} : 15 Vdc		W _O : 134,4 W _{AUX} : 4,5
ELG-150-12BE	100-200 V	1,7 A	V _O : 12 Vdc V _{AUX} : 15 Vdc	I _O : 8 A I _{AUX} : 300	W _O : 84 W _{AUX} : 4,5
	200-240 V				W _O : 96 W _{AUX} : 4,5
ELG-150-24BE	100-200 V	1,7 A	V _O : 24 Vdc V _{AUX} : 15 Vdc	I _O : 5,6 A I _{AUX} : 300 mA	W _O : 105 W _{AUX} : 4,5
	200-240 V				W _O : 134,4 W _{AUX} : 4,5
ELG-150-36BE	100-200 V	1,7 A	V _O : 36 Vdc V _{AUX} : 15	I _O : 3,73 A I _{AUX} : 300 mA	W _O : 105 W _{AUX} : 4,5
	200-240 V				W _O : 134,28 W _{AUX} : 4,5
ELG-150-42BE	100-200 V	1,7 A	V _O : 42 Vdc V _{AUX} : 15 Vdc	I _O : 3,2 A I _{AUX} : 300 mA	W _O : 105 W _{AUX} : 4,5

	200-240 V				W _O : 134,4 W _{AUX} : 4,5
ELG-150-48BE	100-200 V	1,7 A	V _O : 48 Vdc V _{AUX} : 15 Vdc	I _O : 2,8 A I _{AUX} : 300 mA	W _O : 105 W _{AUX} : 4,5
	200-240 V				W _O : 134,4 W _{AUX} : 4,5
ELG-150-54BE	100-200 V	1,7 A	V _O : 54 Vdc V _{AUX} : 15 Vdc	I _O : 2,5 A I _{AUX} : 300 mA	W _O : 105 W _{AUX} : 4,5
	200-240 V				W _O : 135 W _{AUX} : 4,5
<p>Remark:</p> <p>ta: 55 °C for model ELG-150-CXY (X=1400, 1750, 2100, Y=blank, A, B, AB, D, D2, DA, ADA, AD2), ELG-150-XY (X=12, 24, 36, 42, 48, 54, Y=blank, A, B, AB, D, D2, DA, ADA, AD2), ta: 50 °C for model ELG-150-CXY (X=1400, 1750, 2100, Y= BE), ELG-150-XY (X=12, 24, 36, 42, 48, 54, Y= BE),</p> <p>IP65 for model ELG-150-CXY (X=1400, 1750, 2100, Y=A, AB, ADA, AD2), ELG-150-XY (X=12, 24, 36, 42, 48, 54, Y=A, AB, ADA, AD2) IP67 for model ELG-150-CXY (X=1400, 1750, 2100, Y= blank, B, D, D2, DA), ELG-150-XY (X=12, 24, 36, 42, 48, 54, Y= blank, B, D, D2, DA, BE)</p>					

Model Encoding:

ELG-150-CXY (X=1400, 1750, 2100, Y=blank, A, B, AB, D, D2, DA, ADA, AD2, BE)

ELG-150-XY (X=12, 24, 36, 42, 48, 54, Y=blank, A, B, AB, D, D2, DA, ADA, AD2, BE)

Y= blank, A, B, AB, D, D2, DA, ADA, AD2, BE define for dimming function mode.

Blank: Cable for I/O connection.

A: Adjusted through internal potentiometer.

B: Adjustable through output cable with 0-10 Vdc or 10 V PWM signal or resistance.

AB: Adjusted through internal potentiometer or output cable with 0-10 Vdc or 10 V PWM signal or resistance

D: Smart timer dimming

D2: Smart timer dimming can be programmed by output cable.

DA: DALI function

ADA: DALI function and adjusted through internal potentiometer,

AD2: Smart timer dimming can be programmed by output cable and adjusted through internal potentiometer.

BE: With AUX output, Constant current level adjustable through output cable with 0-10 Vdc or 10 V PWM signal or resistance

Model difference:

Function mode	Main PCB	Dimming PCB	Diming wire	Rear cover (with or without plastic cap)	IP
Blank	Same	Without	Without	Without	67
A	Same	Without	Without	With	65
B	Same	B type	With	Without	67
AB	Same	B type	With	With	65
D	Same	D type	Without	Without	67
D2	Same	D type	With	Without	67
AD2	Same	D type	With	With	65
DA	Same	DA type	With	Without	67
ADA	Same	DA type	With	With	65
BE	Similar with other type	BE type	With	Without	67

