

# CERTIFICATE

Issued to:  
Applicant:  
**MEAN WELL Enterprises Co., Ltd.**  
**No.28, Wuquan 3rd Road**  
**Wugu Dist**  
**New Taipei City 248**  
**Taiwan**

Manufacturer/Licensee:  
**MEAN WELL Enterprises Co., Ltd.**  
**No.28, Wuquan 3rd Road**  
**Wugu Dist**  
**New Taipei City 248**  
**Taiwan**

Product : Independent LED drivers  
Trade name :



Type reference key : ELG-150-CXY (see additional information for more details)

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 61347-1:2008; EN 61347-2-13:2014; EN 62384:2006
- an inspection of the production location according to CENELEC Operational Document CIG 021
- a certification agreement with the number 2175773

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 November 2016 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 2196154.01

DEKRA Certification B.V.

A blue ink signature of G.J. Zoetbrood.

drs. G.J. Zoetbrood  
Managing Director

A blue ink signature of W. Singewald.

W. Singewald  
Certification Manager


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## SPECIFICATION OF THE CERTIFIED PRODUCT

### Product data

product	:	Independent LED drivers
trade name	:	
type reference key	:	ELG-150-CXY (see additional information for more details)
rated input voltage	:	100-240 V~
rated input current	:	1,7 A
nature of supply	:	ac.
rated frequency	:	50/60 Hz
output current	:	see product date per type
output voltage range	:	see product date per type
max. open load voltage	:	see product date per type
power factor	:	0,95
max. output power	:	see product date per type
class of insulation	:	Class I
max. case temperature (tc)	:	90 °C
ambient temperature (ta)	:	55 °C
degree of protection	:	IP65 for models ELG-150-CXY (X=500, 700, 1050; Y= A, AB, ADA, AD2), IP67 for models ELG-150-CXY (X=500, 700, 1050; Y= Blank, B, D, D2, DA) see additional information for more details

### Additional information

- Constant current mode.
- Temperature declared thermally protection: 110 °C.
- Short-circuit and overload protection.
- Inherently short circuit proof.
- With MM signs.
- When the driver is equipped with UL approved PVC external cable, it shall be used indoor or used in water-proof luminaires.

### Type reference key

#### ELG-150-CXY

ELG-150	-	Product name.
C	-	Constant Current type.
X	-	Output current in mA (500, 700, 1050).
Y	-	Dimming function mode. (Blank, A, B, AB, D, D2, DA, ADA, AD2).
Blank	-	Cable for I/O connection.
A	-	Constant current level can be adjusted through internal potentiometer.
B	-	Constant current level adjustable through output cable with 0-10 Vdc or 10 V PWM signal or resistance.
AB	-	Constant current level can be 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.

Type reference key (cont'd)

- Y - ADA - DALI function and Constant current level can be adjusted through internal potentiometer.  
AD2 - Smart timer dimming can be programmed by output cable and Constant current level can be adjusted through internal potentiometer.

**Product data - type ELG-150-C1050Y (Y=blank, A, B, AB, D, D2, DA, ADA, AD2)**

output current	:	1,05 A
output voltage range	:	72-100 Vdc at input voltage 100-200 V 72-143 Vdc at input voltage 200-240 V
max. open load voltage	:	151 Vdc
max. output power	:	105 W at input voltage 100-200 V 150,15 W at input voltage 200-240 V

**Product data - type ELG-150-C500Y (Y=blank, A, B, AB, D, D2, DA, ADA, AD2)**

output current	:	0,5 A
output voltage range	:	150-210 Vdc at input voltage 100-200 V 150-300 Vdc at input voltage 200-240 V
max. open load voltage	:	315 Vdc
max. output power	:	105 W at input voltage 100-200 V 150 W at input voltage 200-240 V

**Product data - type ELG-150-C700Y (Y=blank, A, B, AB, D, D2, DA, ADA, AD2)**

output current	:	0,7 A
output voltage range	:	107-150 Vdc at input voltage 100-200 V 107-214 Vdc at input voltage 200-240 V
max. open load voltage	:	225 Vdc
max. output power	:	105 W at input voltage 100-200 V 149,8 W at input voltage 200-240 V

**TESTS****Test requirements**

EN 61347-1:2008 + A1:2011 + A2:2013  
EN 61347-2-13:2014  
EN 62384:2006 + A1:2009

**Test result**

The test results are laid down in DEKRA test file 2196154.00

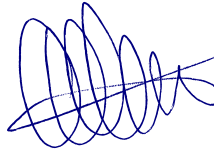
**Remarks**

The components used in the appliance are laid down in the test report no. 2196154.50

**Conclusion**

The examination proved that all test requirements were met.

Tested by : A.P. van der Veen

A blue ink signature consisting of several overlapping loops and a long horizontal stroke at the end.

Checked by : L.N.H. Huynh

A blue ink signature with a long horizontal stroke and a few loops above it.**Factory location**

MEAN WELL (Guangzhou) Electronics Co. Ltd. Huadu Branch  
No.11 Jingu South Road  
Huadong Town  
Huadu District  
Guangzhou  
Guangdong  
China

# CERTIFICATE

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Applicant:  
**MEAN WELL Enterprises Co., Ltd.**  
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**Taiwan**

Manufacturer/Licensee:  
**MEAN WELL Enterprises Co., Ltd.**  
**No.28, Wuquan 3rd Road**  
**Wugu District**  
**New Taipei City 248**  
**Taiwan**

Product : Independent controlgear  
Trade name : MEAN WELL  
Type reference : ELG-150-CXY  
key : ELG-150-XY  
(see additional information for more details)

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 61347-1:2008; EN 61347-2-13:2014; EN 62384:2006
- an inspection of the production location according to CENELEC Operational Document CIG 021
- a certification agreement with the number 2175773

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: 31 Oktober 2016 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 2195615.01

DEKRA Certification B.V.



drs. G.J. Zoetbrood  
Managing Director



W.C. Singewald  
Certification Manager

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**SPECIFICATION OF THE CERTIFIED PRODUCT****Product data**

product	:	Independent controlgear
trade name	:	MEAN WELL
Type reference key	:	ELG-150-CXY ELG-150-XY See "Additional information" for details.
rated input voltage	:	100-240 V~
rated input current	:	1,7 A
nature of supply	:	a.c.
rated frequency	:	50/60 Hz
output current	:	see product date per type(for constant voltage type only)
output voltage range	:	see product date per type(for constant current type only)
max. open load voltage	:	see product date per type(for constant current type only)
power factor	:	0,95
class of insulation	:	Class I
max. case temperature (tc)	:	90 °C
ambient temperature (ta)	:	55 °C
degree of protection provided by enclosures	:	IP65 for model with Y (dimming mode) = A,AB,ADA,AD2, IP67 for model with Y (dimming mode) = blank,B,D,D2,DA
temperature declared thermally protected	:	110 °C

**Additional information**

- The Control gear is divided into products based on Constant Current and products based on Constant Voltage.
- Thermal, short-circuit and overload protection.
- Inherently short circuit proof.
- With MM sign.
- When the driver is equipped with UL approved PVC external cable, it shall be used indoor or used in water-proof luminaires.

Type reference key

ELG-150-CXY : Product name

C : Constant current version  
X : Output current in mA (1400, 1750 or 2100)

ELG-150-XY : Product name

X : Output voltage in Vdc. (X=12, 24, 36, 42, 48 or 54)  
Y : Dimming function mode. (blank, A, B, AB, D, D2, DA, ADA or AD2)  
Blank: Cable for I/O connection  
A = Constant current level can be adjusted through internal potentiometer  
B = Constant current level adjustable through output cable with 0-10 Vdc or 10 V PWM signal or resistance.

Type reference key (cont'd)

- Y : AB = Constant current level can be 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 Constant current level can be adjusted through internal potentiometer.  
AD2= Smart timer dimming can be programmed by output cable and Constant current level can be adjusted through internal potentiometer.

**Product data - type ELG-150-12Y**

- output voltage : 12 Vdc  
max. output power : 84 W when input voltage 100-200 V  
120 W when input voltage 200-240V

**Product data - type ELG-150-24Y**

- output voltage : 24 Vdc  
max. output power : 105 W when input voltage 100-200 V  
150 W when input voltage 200-240 V

**Product data - type ELG-150-36Y**

- output voltage : 36 Vdc  
max. output power : 105 W when input voltage 100-200 V  
150,1 W when input voltage 200-240 V

**Product data - type ELG-150-42Y**

- output voltage : 42 Vdc  
max. output power : 105 W when input voltage 100-200 V  
150 W when input voltage 200-240 V

**Product data - type ELG-150-48Y**

- output voltage : 48 Vdc  
max. output power : 105 W when input voltage 100-200 V  
150,2 W when input voltage 200-240 V

**Product data - type ELG-150-54Y**

- output voltage : 54 Vdc  
max. output power : 105 W when input voltage 100-200 V  
151.2 W when input voltage 200-240 V

**Product data - type ELG-150-C1400Y**

- output current : 1,4 A  
output voltage range : 54-75 Vdc when input voltage 100-200 V  
54-107 Vdc when input voltage 200-240 V  
max. open load voltage : 115 Vdc  
max. output power : 105 W when input voltage 100-200 V  
149,8 W when input voltage 200-240 V

**Product data - type ELG-150-C1750Y**

output current : 1,75 A  
output voltage range : 43-60 Vdc when input voltage 100-200 V  
43-86 Vdc when input voltage 200-240 V  
max. open load voltage : 94 Vdc  
max. output power : 105 W when input voltage 100-200 V  
150,5 W when input voltage 200-240 V

**Product data - type ELG-150-C2100Y**

output current : 2,1 A  
output voltage range : 36-50 Vdc when input voltage 100-200 V  
36-72 Vdc when input voltage 200-240 V  
max. open load voltage : 80 Vdc  
max. output power : 105 W when input voltage 100-200 V  
151,2 W when input voltage 200-240 V

**TESTS****Test requirements**

EN 61347-1:2008 + A1:2011 + A2:2013  
EN 61347-2-13:2014  
EN 62384:2006 + A1:2009

**Test result**

The test results are laid down in DEKRA test file 2195615.00.

**Remarks**

The components used in the appliance are laid down in the test report no. 2195615.50

**Conclusion**

The examination proved that all test requirements were met.

Tested by : G.W.J. Zeegers

Checked by : A.P. van der Veen





**Factory location**

MEAN WELL (Guangzhou) Electronics Co. Ltd.  
Huadu Branch  
No.11 Jingu South Road  
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