

# CERTIFICATE

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

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

Product : Independent LED controlgears  
Trade name(s) : MEAN WELL  
Type(s)/model(s) : LPF-16x-yz, LPF-25x-y

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 61347-1:2015, EN 61347-2-13:2014 and EN 61347-2-13:2014/A1:2017
- 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 certification mark.

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

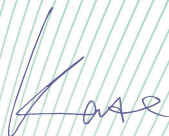
This certificate is issued on 16 January 2018 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 35-102590

DEKRA Certification B.V.



drs. G.J. Zoetbrood  
Managing Director



Kate Xu  
Certification Manager

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

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product                    | : Independent LED controlgears                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Trade name(s)              | : MEAN WELL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Type(s)/model(s)           | : LPF-16-12, LPF-16-12P, LPF-16-15, LPF-16-15P, LPF-16-20, LPF-16-20P, LPF-16-24, LPF-16-24P, LPF-16-30, LPF-16-30P, LPF-16-36, LPF-16-36P, LPF-16-42, LPF-16-42P, LPF-16-48, LPF-16-48P, LPF-16-54, LPF-16-54P, LPF-16D-12, LPF-16D-12P, LPF-16D-15, LPF-16D-15P, LPF-16D-20, LPF-16D-20P, LPF-16D-24, LPF-16D-24P, LPF-16D-30, LPF-16D-30P, LPF-16D-36, LPF-16D-36P, LPF-16D-42, LPF-16D-42P, LPF-16D-48, LPF-16D-48P, LPF-16D-54, LPF-16D-54P, LPF-25-12, LPF-25-15, LPF-25-20, LPF-25-24, LPF-25-30, LPF-25-36, LPF-25-42, LPF-25-48, LPF-25-54, LPF-25D-12, LPF-25D-15, LPF-25D-20, LPF-25D-24, LPF-25D-30, LPF-25D-36, LPF-25D-42, LPF-25D-48 and LPF-25D-54 |
| Rated input voltage        | : 100-240 V~                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Rated input current        | : 0,4 A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Rated frequency            | : 50/60 Hz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Power factor               | : 0,95                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Max. case temperature (tc) | : 70 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Ambient temperature (ta)   | : 50 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Class of insulation        | : Class II                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Additional information     | : Constant voltage mode<br>Thermal, short-circuit and overload protection<br>With MM signs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

**Product data – type LPF-16D-12 and LPF-16-12**

|                      |           |
|----------------------|-----------|
| Output voltage       | : 12 Vdc  |
| Output current       | : 1,34 A  |
| Rated output power   | : 16,08 W |
| Degree of protection | : IP30    |

**Product data – type LPF-16D-12P and LPF-16-12P**

|                      |           |
|----------------------|-----------|
| Output voltage       | : 12 Vdc  |
| Output current       | : 1,34 A  |
| Rated output power   | : 16,08 W |
| Degree of protection | : IP67    |

**Product data – type LPF-16D-15 and LPF-16-15**

|                      |           |
|----------------------|-----------|
| Output voltage       | : 15 Vdc  |
| Output current       | : 1,07 A  |
| Rated output power   | : 16,05 W |
| Degree of protection | : IP30    |

**Product data – type LPF-16D-15P and LPF-16-15P**

|                      |           |
|----------------------|-----------|
| Output voltage       | : 15 Vdc  |
| Output current       | : 1,07 A  |
| Rated output power   | : 16,05 W |
| Degree of protection | : IP67    |



**Product data – type LPF-16D-20 and LPF-16-20**

Output voltage : 20 Vdc  
Output current : 0,8 A  
Rated output power : 16 W  
Degree of protection : IP30

**Product data – type LPF-16D-20P and LPF-16-20P**

Output voltage : 0,8 A  
Output current : 20 Vdc  
Rated output power : 16 W  
Degree of protection : IP67

**Product data – type LPF-16D-24 and LPF-16-24**

Output voltage : 24 Vdc  
Output current : 0,67 A  
Rated output power : 16,08 W  
Degree of protection : IP30

**Product data – type LPF-16D-24P and LPF-16-24P**

Output voltage : 24 Vdc  
Output current : 0,67 A  
Rated output power : 16,08 W  
Degree of protection : IP67

**Product data – type LPF-16D-30 and LPF-16-30**

Output voltage : 30 Vdc  
Output current : 0,54 A  
Rated output power : 16,2 W  
Degree of protection : IP30

**Product data – type LPF-16D-30P and LPF-16-30P**

Output voltage : 30 Vdc  
Output current : 0,54 A  
Rated output power : 16,2 W  
Degree of protection : IP67

**Product data – type LPF-16D-36 and LPF-16-36**

Output voltage : 36 Vdc  
Output current : 0,45 A  
Rated output power : 16,2 W  
Degree of protection : IP30

**Product data – type LPF-16D-36P and LPF-16-36P**

Output voltage : 36 Vdc  
Output current : 0,45 A  
Rated output power : 16,2 W  
Degree of protection : IP67

**Product data – type LPF-16D-42 and LPF-16-42**

Output voltage : 42 Vdc  
Output current : 0,39 A

Rated output power : 16,38 W  
Degree of protection : IP30

**Product data – type LPF-16D-42P and LPF-16-42P**

Output voltage : 42 Vdc  
Output current : 0,39 A  
Rated output power : 16,38 W  
Degree of protection : IP67

**Product data – type LPF-16D-48 and LPF-16-48**

Output voltage : 48 Vdc  
Output current : 0,34 A  
Rated output power : 16,32 W  
Degree of protection : IP30

**Product data – type LPF-16D-48P and LPF-16-48P**

Output voltage : 48 Vdc  
Output current : 0,34 A  
Rated output power : 16,32 W  
Degree of protection : IP67

**Product data – type LPF-16D-54 and LPF-16-54**

Output voltage : 54 Vdc  
Output current : 0,3 A  
Rated output power : 16,2 W  
Degree of protection : IP30

**Product data – type LPF-16D-54P and LPF-16-54P**

Output voltage : 54 Vdc  
Output current : 0,3 A  
Rated output power : 16,2 W  
Degree of protection : IP67

**Product data – type LPF-25D-12 and LPF-25-12**

Output voltage : 12 Vdc  
Output current : 2,1 A  
Rated output power : 25,2 W  
Degree of protection : IP67

**Product data – type LPF-25D-15 and LPF-25-15**

Output voltage : 15 Vdc  
Output current : 1,67 A  
Rated output power 15 Vdc : 25,05 W  
Degree of protection : IP67

**Product data – type LPF-25D-20 and LPF-25-20**

Output voltage : 20 Vdc  
Output current : 1,25 A  
Rated output power : 25 W  
Degree of protection : IP67

**Product data – type LPF-25D-24 and LPF-25-24**

Output voltage : 24 Vdc  
Output current : 1,05 A  
Rated output power : 25,2 W  
Degree of protection : IP67

**Product data – type LPF-25D-30 and LPF-25-30**

Output voltage : 30 Vdc  
Output current : 0,84 A  
Rated output power : 25,2 W  
Degree of protection : IP67

**Product data – type LPF-25D-36 and LPF-25-36**

Output voltage : 36 Vdc  
Output current : 0,7 A  
Rated output power : 25,2 W  
Degree of protection : IP67

**Product data – type LPF-25D-42 and LPF-25-42**

Output voltage : 42 Vdc  
Output current : 0,6 A  
Rated output power : 25,2 W  
Degree of protection : IP67

**Product data – type LPF-25D-48 and LPF-25-48**

Output voltage : 48 Vdc  
Output current : 0,53 A  
Rated output power : 25,44 W  
Degree of protection : IP67

**Product data – type LPF-25D-54 and LPF-25-54**

Output voltage : 54 Vdc  
Output current : 0,47 A  
Rated output power : 25,38 W  
Degree of protection : IP67

**TESTS****Test requirements**

EN 61347-1:2015  
EN 61347-2-13:2014  
EN 61347-2-13:2014/A1:2017

**Test result**

The test results are laid down in DEKRA test file 434057100.

**Additional information**

## 1) LPF-16x-yz;

The "x" in the model name can be D or blank to denote with dimming function (D) or without (blank);

The "y" in the model name can be 12, 15, 20, 24, 30, 36, 42, 48 or 54 to denote output voltage in volt;

The "z" in the model name can be P or blank to denote with epoxy (P) or without (blank);

## 2) LPF-25x-y;

The "x" in the model name can be D or blank to denote with dimming function (D) or without (blank);

The "y" in the model name can be 12, 15, 20, 24, 30, 36, 42, 48 or 54 to denote output voltage in volt.

The products also considers EN 62384:2006 + A1:2009.

This certificate replaces certificate No. 35-102517 which we herewith declare invalid.

The list of components is laid down at test report 4340571.50.

**Conclusion**

The examination proved that all requirements were met.

**Factory location**

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

Trade name(s) : MEAN WELL stands for

