



## Declaration of conformity

For the following equipment :

Product Name: LED Driver

Model Designation: HBG-160P-xDA (x= 36, 48 or 60)

is herewith confirmed to comply with the requirements set out in the Council Directive, the following standards were applied :

**RoHS Directive (2011/65/EU), (EU)2015/863**

**Energy-Related Products Directive (2009/125/EC)**

**Implementing measure COMMISSION REGULATION(EC) No 1194/2012**

**Low Voltage Directive (2014/35/EU) :**

EN 61347-1:2015 EN61347-2-13:2014/A1:2017

EN62384:2006+A1:2009

ENEC certificate No: 35-104308

**Electromagnetic Compatibility Directive (2014/30/EU) :**

**EMI (Electro-Magnetic Interference)**

Conducted emission / Radiated emission

EN55015:2013+A1:2015

Harmonic current

EN61000-3-2:2014

Class C( $\geq$ 75% load)

Voltage flicker

EN61000-3-3:2013

**EMS (Electro-Magnetic Susceptibility)**

EN61547:2009

ESD air

EN61000-4-2:2009

Level 3

8KV

ESD contact

EN61000-4-2:2009

Level 2

4KV

RF field susceptibility

EN61000-4-3:2006+A1:2008+A2:2010

Level 2

3V/m

EFT bursts

EN61000-4-4:2012

Level 2

1KV/5KHz

Surge susceptibility

EN61000-4-5:2014

Level 4

2KV/Line-Line

Surge susceptibility

EN61000-4-5:2014

Level 4

4KV/Line-Earth

Conducted susceptibility

EN61000-4-6:2014

Level 2

3V

Magnetic field immunity

EN61000-4-8:2010

Level 2

3A/m

Voltage dip, interruption

EN61000-4-11:2004

30% dip 10 periods

100% interruptions 0.5 periods

**Note:**

Component power supply will be operated with a final equipment. Since EMC performance will be affected by the complete installation, the final equipment manufacturers must re-qualify EMC Directive on the complete installation again.

Tests above are only to be performed with LEDs.

For guidance on how to perform these EMC tests, please refer to TDF (Technical Documentation File).

To fulfill requirements of the latest ErP regulation for lighting fixtures, this LED power supply can only be used behind a switch without permanently connected to the mains.

This Declaration is effective from serial number HB9xxxxxx

Person responsible for marking this declaration :

MEAN WELL Enterprises Co., Ltd.

(Manufacturer Name)

No.28, Wuquan 3rd Rd., Wugu Dist., New Taipei City 24891, Taiwan

(Manufacturer Address)

Johnny Huang/Manager, Certification center :

(Name / Position)

(Signature)

Alex Tsai/Director, Marketing Department :

(Name / Position)

(Signature)

Taiwan

(Place)

Jul. 22nd, 2019

(Date)