



Declaration of Conformity

For the following equipment :

Product Name: LED driver

Model Designation: LPF-90Z-X (Z=Blank or D; X=15, 20, 24, 30, 36, 42, 48, 54)

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 2019/2020**

Low Voltage Directive (2014/35/EU) :

EN 61347-1:2015 ; EN 61347-2-13:2014/A1:2017 ENEC certificate No : 35-103242

Electromagnetic Compatibility Directive (2014/30/EU) :

EMI (Electro-Magnetic Interference)

Conducted emission / Radiated emission

EN IEC 55015:2019+A11:2020

Harmonic current EN IEC 61000-3-2:2019 class C ($\geq 60\%$ load)

Voltage flicker EN 61000-3-3:2013+A1:2019

EMS (Electro-Magnetic Susceptibility)

EN 61547:2009

ESD air EN 61000-4-2:2009 Level 4 15KV

ESD contact EN 61000-4-2:2009 Level 4 8KV

RF field susceptibility EN IEC 61000-4-3:2020 Level 2 3V/m

EFT bursts EN 61000-4-4:2012 Level 2 1KV/5KHz

Surge susceptibility EN 61000-4-5:2014+A1:2017 Level 4 2KV/Line-Line

Conducted susceptibility EN 61000-4-5:2014+A1:2017 Level 2 3V

Magnetic field immunity EN 61000-4-6:2014 Level 2 3A/m

Voltage dip, interruption EN IEC 61000-4-11:2020 <5% residual voltage for 0.5 cycles ,70% residual voltage for 25 cycles , <5% residual voltage for 250 cycles

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 GC1xxxxxx

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)

Aries Jian/Director, Group R & D :

(Name / Position)

(Signature)

Alex Tsai/ Director, Product Strategy Center :

(Name / Position)

(Signature)

Taiwan

(Place)

Aug. 16th, 2021

(Date)