



UK Declaration of Conformity

For the following equipment :

Product Name: LED Driver

Model Designation: ELG-100-xy (x=C1050, C1400, 24, 36, 42, 48, 54; y=blank, A, B, AB, D, D2, DA, ADA, AD2)

The designated product(s) is(are) in conformity with the relevant legislation:

The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012: SI 2012 No. 3032

Implementing measure COMMISSION REGULATION(EC) No 2019/2020

The Ecodesign for Energy-Related Products and Energy Information (Amendment) (EU Exit) Regulations 2019

Electrical Equipment (Safety) Regulations 2016 :

BS EN 61347-1:2015

BS EN 61347-2-13:2014+A1:2017

Dekra certificate No : NL-51354

Electrical Compatibility Regulations 2016 :

EMI (Electro-Magnetic Interference)

Conducted emission / Radiated emission

BS EN 55015:2013+A1:2015

Harmonic current BS EN 61000-3-2:2014 Class C ($\geq 50\%$ load)

Voltage flicker BS EN 61000-3-3:2013

EMS (Electro-Magnetic Susceptibility)

BS EN 61547:2009

ESD air BS EN 61000-4-2:2009 Level 3 8KV

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

RF field susceptibility BS EN 61000-4-3:2006+A2:2010 Level 2 3V/m

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

Surge susceptibility BS EN 61000-4-5:2014 Level X 4KV/Line-Line

Surge susceptibility BS EN 61000-4-5:2014 Level X 6KV/Line-Earth

Conducted susceptibility BS EN 61000-4-6:2014 Level 2 3V

Magnetic field immunity BS EN 61000-4-8:2010 Level 2 3A/m

Voltage dip, interruption BS EN 61000-4-11:2004 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 Regulations 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).

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)

May. 27th, 2021

(Date)