



## UK Declaration of Conformity

For the following equipment :

Product Name: LED Driver

Model Designation: HLG-240x-yz (x=H or blank ; y=12,15,20,24,30,36,42,48 or 54 ; z=A,B,C,AB or blank)

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 2020**

**Electrical Equipment (Safety) Regulations 2016 :**

BS EN 61347-1:2015

TUV certificate No : R50171751 (for y=A,B,AB,Blank type)

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

TUV certificate No : 35-104320 (for y=C type)

**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 4 2KV/Line-Line

Surge susceptibility BS EN 61000-4-5:2014 Level 4 4KV/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).

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 GC1xxxxxxx

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)



## UK Declaration of Conformity

For the following equipment :

Product Name: Switching Power Supply

Model Designation: HLG-240x-yz (x=H or blank ; y=12,15,20,24,30,36,42,48 or 54; z=A ,B ,C or blank)

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

### Electrical Equipment (Safety) Regulations 2016 :

BS EN 62368-1:2014+A11:2017

CB certificate No : DK-91598-UL

### Electrical Compatibility Regulations 2016 :

#### EMI (Electro-Magnetic Interference)

Conducted emission / Radiated emission

BS EN 55032:2015

Class B

Harmonic current BS EN 61000-3-2:2014

Voltage flicker BS EN 61000-3-3:2013

#### EMS (Electro-Magnetic Susceptibility)

BS EN 55024:2010+A1:2015

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+A1:2008+A2:2010	Level 3	10V/m
EFT bursts	BS EN 61000-4-4: 2012	Level 3	2KV/5KHz
Surge susceptibility	BS EN 61000-4-5:2014	Level 4	2KV/Line-Line
Surge susceptibility	BS EN 61000-4-5:2014	Level 4	4KV/Line-Earth
Conducted susceptibility	BS EN 61000-4-6:2014	Level 3	10V
Magnetic field immunity	BS EN 61000-4-8:2010	Level 4	30A/m
Voltage dip, interruption	BS EN 61000-4-11:2004	>95% dip 0.5 periods 30% dip 25 periods >95% interruptions 250 periods	

#### Note:

The power supply is considered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the complete system, the final equipment manufacturers must re-qualify EMC Regulations on the complete system again.

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

This Declaration is effective from serial number GC1xxxxxxx

#### 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)

*Aries*  
(Signature)

Alex Tsai/ Director, Product Strategy Center :

(Name / Position)

*[Signature]*  
(Signature)

Taiwan

(Place)

May, 27th, 2021

(Date)