



## Declaration of Conformity

according to the UK regulations

2016 No. 1091	The Electromagnetic Compatibility Regulations 2016
2016 No. 1107	The Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016
2012 No. 3032	The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012

**The devices:**

Manufacturer:	Pfannenberg GmbH
Product:	LED Light
Type:	Quadro LED-HI-3G/3D

were developed, designed and manufactured to comply with the above-mentioned UK regulations, under the sole responsibility of:

**Pfannenberg GmbH**  
**Werner-Witt-Str. 1**  
**D-21035 Hamburg**

**The following designated standards were applicable:**

EN 61000-6-2 2005 + AC:2005	Electromagnetic compatibility (EMC) - Part 6-2: Generic standards - Immunity for industrial environments
EN 61000-6-3:2007 + A1:2011	Electromagnetic compatibility (EMC) - Part 6-3. Generic standards - Emission standard for residential, commercial and light-industrial environments
EN 60529 1991 + A1 2000 + A2:2013	Degrees of protection provided by enclosures (IP Code)
EN 60947-1 2007 + A1:2011 + A2 2014	Low-voltage switchgear and controlgear - Part 1 General rules
EN 50130-4:2011 + A1 2014	Alarm systems - Part 4 Electromagnetic compatibility - Product family standard Immunity requirements for components of fire, intruder, hold up, CCTV, access control and social alarm systems
EN IEC 60079-0 2018	Explosive atmospheres - Part 0 Equipment - General requirements
EN 60079-15:2010	Explosive atmospheres - Part 15: Equipment protection by type of protection "n"
EN 60079-31:2014	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
EN 60598-1 2015 + A1 2018	Luminaires - Part 1 General requirements and tests
EN 62471 2008	Photobiological safety of lamps and lamp systems
EN IEC 63000:2018	Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances

**The following other technical specifications were applicable:**

EN 981 1996+A1 2008	Safety of machinery - System of auditory and visual danger and information signals
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The manufacturer is in possession of the technical documentation, the installation/operation instruction is attached to the device. The safety references are to be considered This explanation certifies the agreement with the guidelines mentioned Year of affixing the UKCA-mark 21

The devices can be used in Ex-zones 2 and 22

II 3G Ex nR IIC T6 Gc	-20°C < Tamb < +55°C
II 3D Ex tc IIIB T80°C Dc IP66/67	-20°C < Tamb < +55°C

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**Nils-Peter Halm**

Technical Director