

Declaration of Conformity

according to the UK regulations

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| 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: | Pfannenber GmbH |
| Product: | LED Light |
| Type: | Quadro LED-RGB-3G/3D |

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

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

The following designated standards were applicable:



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| 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:

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| 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

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|  II3G Ex nR IIC T6 Gc | -20°C < Tamb < +55°C |
|  II3D Ex tc IIIB T80°C Dc IP66/67 | -20°C < Tamb < +55°C |

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