



T.R Ventures Ltd.
Unit 2, Southfield Industrial Estate
Praed Road
Trafford Park
MANCHESTER
M17 1SJ

T.R Ventures Ltd. declares under its sole responsibility that the product

# Tagra | LED Module String | Pro Series | 12V | IP66 | 2 Dot | 0.72W | 6500k | 20 PCS

#### **TM12-65K2MOD**

is in conformity with the provisions of the following statutory requirements, including all amendments, and with national legislation implementing these regulations:

The Electrical Equipment (Safety) Regulations 2016 - UK SI 2016 No. 1101

The Electromagnetic Compatibility Regulations 2016 - UK SI 2016 No. 1091

The Ecodesign for Energy-Related Products and Energy Information (Lighting Products) Regulations 2021 - UK SI 2021 No. 1095

# The following designated standards have been applied

**The Electrical Equipment (Safety) Regulations 2016** - IEC 62031:2018: (LED modules for general lighting - Safety specifications)

The Electromagnetic Compatibility Regulations 2016 - EN IEC 55015:2019+A11:2019+A11:2020: (Limits and methods of Measurement of radio disturbance characteristics of electrical lighting and similar equipment)

The Electromagnetic Compatibility Regulations 2016 - EN 61547:2009 (Equipment for general lighting purposes - EMC immunity requirements)

Authorised signatory:

Ruttes

Thomas Ralston (Managing Director)

Date: 2025-11-05



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- Electro Magnetic Compatibility Directive 2014/30/EU
- Ecodesign Energy Related Products Directive 2009/125/EC
  - Energy Efficiency Of Products, As Applicable To Lighting Products Energy Related Products Directive 2019/2020/EU

# The following designated standards have been applied

Low Voltage Directive - IEC 62031:2018: (LED modules for general lighting - Safety specifications)

**Electro Magnetic Compatibility Directive** - EN IEC 55015:2019+A11:2019+A11:2020: (Limits and methods of Measurement of radio disturbance characteristics of electrical lighting and similar equipment)

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# Tagra | LED Module String | Pro Series | 12V | IP66 | 3 Dot | 1.08W | 6500k | 20 PCS

#### **TM12-65K3MOD**

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The Electrical Equipment (Safety) Regulations 2016 - UK SI 2016 No. 1101

The Restriction Of The Use Of Certain Hazardous Substances In Electrical And Electronic Equipment Regulations 2012 - UK SI 2012 No. 3032

The Electromagnetic Compatibility Regulations 2016 - UK SI 2016 No. 1091

The Ecodesign for Energy-Related Products and Energy Information (Lighting Products) Regulations 2021 - UK SI 2021 No. 1095

# The following designated standards have been applied

The Electrical Equipment (Safety) Regulations 2016 - IEC 62031:2018: (LED modules for general lighting - Safety specifications)

The Restriction Of The Use Of Certain Hazardous Substances In Electrical And Electronic Equipment Regulations 2012 - IEC 62321-1:2013: (Determination of certain substances in electrotechnical products - Part 1: Introduction and overview (IEC 62321-1:2013))

The Restriction Of The Use Of Certain Hazardous Substances In Electrical And Electronic Equipment Regulations 2012 - IEC 62321-3-1:2013 (Determination of certain substances in electrotechnical products - Part 3-1: Screening - Lead, mercury, cadmium, total chromium and total bromine using X-ray fluorescence spectrometry)

The Restriction Of The Use Of Certain Hazardous Substances In Electrical And Electronic Equipment Regulations 2012 - IEC 62321-4:2013+A1:2017 (Determination of certain substances in electrotechnical products - Part 4: Mercury in polymers, metals and electronics by CV-AAS, CV-AFS, ICP-OES and ICP-MS)

The Restriction Of The Use Of Certain Hazardous Substances In Electrical And Electronic Equipment Regulations 2012 - IEC 62321-5:2013 (Determination of certain substances in electrotechnical products - Part 5: Cadmium, lead and chromium in polymers and electronics and cadmium and lead in metals by AAS, AFS, ICP-OES and ICP-MS)

The Restriction Of The Use Of Certain Hazardous Substances In Electrical And Electronic Equipment Regulations 2012 - IEC 62321-6:2015 (Determination of certain substances in electrotechnical products - Part 6: Polybrominated biphenyls and polybrominated diphenyl ethers in polymers by gas chromatograhy -mass spectometry (GC-MS))

The Restriction Of The Use Of Certain Hazardous Substances In Electrical And Electronic Equipment Regulations 2012 - IEC 62321-7-1:2015 (Determination of certain substances in electrotechnical products - Part 7-1: Hexavalent chromium - Presence of hexavalent chromium (Cr(VI)) in colourless and coloured corrosion-protected coatings on metals by the colorimetric method)

The Restriction Of The Use Of Certain Hazardous Substances In Electrical And Electronic Equipment Regulations 2012 - IEC 62321-7-2:2017 (Determination of certain substances in electrotechnical products - Part 7-2: Hexavalent chromium - Determination of hexavalent chromium (Cr(VI)) in polymers and electronics by the colorimetric method)

The Restriction Of The Use Of Certain Hazardous Substances In Electrical And Electronic Equipment Regulations 2012 - IEC 62321-8:2017 (Determination of certain substances in electrotechnical products - Part 8: Phthalates in polymers by gas chromatography-mass spectrometry (GC-MS), gas chromatography-mass spectrometry using a pyrolyzer/thermal desorption accessory (Py-TD-GC-MS))

The Electromagnetic Compatibility Regulations 2016 - EN IEC 55015:2019+A11:2019+A11:2020: (Limits and methods of Measurement of radio disturbance characteristics of electrical lighting and similar equipment)

**The Electromagnetic Compatibility Regulations 2016** - EN 61547:2009 (Equipment for general lighting purposes - EMC immunity requirements)

Authorised signatory:

Thomas Ralston (Managing Director)

Date: 2025-10-08







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- Electro Magnetic Compatibility Directive 2014/30/EU
- Ecodesign Energy Related Products Directive 2009/125/EC
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Low Voltage Directive - IEC 62031:2018: (LED modules for general lighting - Safety specifications)

**Restriction of Hazardous Substances** - IEC 62321-1:2013: (Determination of certain substances in electrotechnical products - Part 1: Introduction and overview (IEC 62321-1:2013))

**Restriction of Hazardous Substances** - IEC 62321-3-1:2013 (Determination of certain substances in electrotechnical products - Part 3-1: Screening - Lead, mercury, cadmium, total chromium and total bromine using X-ray fluorescence spectrometry)

**Restriction of Hazardous Substances** - IEC 62321-4:2013+A1:2017 (Determination of certain substances in electrotechnical products - Part 4: Mercury in polymers, metals and electronics by CV-AAS, CV-AFS, ICP-OES and ICP-MS)

**Restriction of Hazardous Substances** - IEC 62321-5:2013 (Determination of certain substances in electrotechnical products - Part 5: Cadmium, lead and chromium in polymers and electronics and cadmium and lead in metals by AAS, AFS, ICP-OES and ICP-MS)

**Restriction of Hazardous Substances** - IEC 62321-6:2015 (Determination of certain substances in electrotechnical products - Part 6: Polybrominated biphenyls and polybrominated diphenyl ethers in polymers by gas chromatograhy -mass spectometry (GC-MS))

**Restriction of Hazardous Substances** - IEC 62321-7-1:2015 (Determination of certain substances in electrotechnical products - Part 7-1: Hexavalent chromium - Presence of hexavalent chromium (Cr(VI)) in colourless and coloured corrosion-protected coatings on metals by the colorimetric method)

**Restriction of Hazardous Substances** - IEC 62321-7-2:2017 (Determination of certain substances in electrotechnical products - Part 7-2: Hexavalent chromium - Determination of hexavalent chromium (Cr(VI)) in polymers and electronics by the colorimetric method)

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**Electro Magnetic Compatibility Directive** - EN IEC 55015:2019+A11:2019+A11:2020: (Limits and methods of Measurement of radio disturbance characteristics of electrical lighting and similar equipment)

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## Tagra | LED Module String Sample Card

#### TM12-65K123MOD-S

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- The Electrical Equipment (Safety) Regulations 2016 UK SI 2016 No. 1101
- The Electromagnetic Compatibility Regulations 2016 UK SI 2016 No. 1091
  - The Restriction Of The Use Of Certain Hazardous Substances In Electrical And Electronic Equipment Regulations 2012 UK SI 2012 No. 3032
- The Ecodesign for Energy-Related Products and Energy Information (Lighting Products) Regulations 2021 UK SI 2021 No. 1095

# The following designated standards have been applied

**The Electrical Equipment (Safety) Regulations 2016** - IEC 62031:2018: (LED modules for general lighting - Safety specifications)

The Electromagnetic Compatibility Regulations 2016 - EN IEC 55015:2019+A11:2019+A11:2020: (Limits and methods of Measurement of radio disturbance characteristics of electrical lighting and similar equipment)

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The Restriction Of The Use Of Certain Hazardous Substances In Electrical And Electronic Equipment Regulations 2012 - IEC 62321-4:2013+A1:2017 (Determination of certain substances in electrotechnical products - Part 4: Mercury in polymers, metals and electronics by CV-AAS, CV-AFS, ICP-OES and ICP-MS)

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