



# CERTIFICATE

№ EMC- 19- 000 - (2emc-19-131)- 050E

"CTEC" Ltd. certifies that:

**Product**

**LIGHTING FIXTURE TYPE LED TRI-PROOF**

trade mark: **ELECTROSTART**

model: LED Tri-Proof 50 W 4000K, Ref.№ 983050140040044

200-240 V; 50-60 Hz; 50 W; IP 65; Class I;  $t_a=35^\circ\text{C}$

model representative of models -

LED Tri-Proof 23 W 4000K

LED Tri-Proof 29 W 4000K; LED Tri-Proof 37 W 4000K, LED Tri-Proof 23 W 6500K

LED Tri-Proof 29 W 6500K; LED Tri-Proof 37 W 6500K, LED Tri-Proof 50 W 6500K

LED Tri-Proof 23 W 3000K; LED Tri-Proof 29 W 3000K, LED Tri-Proof 37 W 3000K

LED Tri-Proof 50 W 3000K

**Applicant**

**"ELECTROSTART" JSCo., Bulgaria**

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Tel: +359 2 400 7011, fax: + 359 2 400 7012

[www.electrostart.com](http://www.electrostart.com)

**Manufacturer**

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**Complies with the**

**EN 55015:2013+A1:2015** Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment

**EN 61000-3-2:2014** Electromagnetic compatibility

Part 3-2: Limits – Limits for harmonic current emissions (equipment input current  $\leq 16\text{ A}$  per phase)

**EN 61000-3-3:2013** Electromagnetic compatibility (EMC) -

Part 3-3: Limits. Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current  $\leq 16\text{ A}$  per phase and not subject to conditional connection

**EN 61547:2009** Equipment for general lighting purposes EMC immunity requirements

**EN 61000-4-2:2009** Electromagnetic compatibility (EMC)

Part 4-2: Testing and measurement techniques - Electrostatic discharge immunity test

**EN 61000-4-4:2012** Electromagnetic compatibility (EMC)

Part 4-4: Testing and measurement techniques - Electrical fast transient/burst immunity test

**EN 61000-4-5:2014** Electromagnetic compatibility (EMC)

Part 4-5: Testing and measurement techniques - Surge immunity test

**EN 61000-4-8:2010** Electromagnetic compatibility (EMC)

Part 4-8: Testing and measurement techniques - Power frequency magnetic field immunity test

**EN 61000-4-11:2004+A1:2017** Electromagnetic compatibility (EMC)

Part 4-11: Testing and measurement techniques - Voltage dips, short interruptions and voltage variations immunity tests

**Certificate has been issued on the base of**

Test reports:

№ 2emc-19-131/30.10.2019 № 2emc-e-19-131/30.10.2019

The *Certificate* of conformity is based on the assessment of the above mentioned product and its technical file and does not include an assessment of the manufacturing process.

Date of issue: 2019-10-30  
Stara Zagora

Manager CTEC Ltd.

/dipl. eng. Blagovesta Shineva/

