



CERTIFICATE

№ EMC- 19- 000 - (2emc-19-130)- 049E

"CTEC" Ltd. certifies that:

Product

LIGHTING FIXTURE TYPE LED EDGE PANEL

trade mark: **ELECTROSTART**

model: *LED Edge 48W PMMA 100lm/W 6500K, Ref.№ 981148100064091*
220-240 V; 50-60 Hz; 48 W; IP 40 below; Class II; $t_a=40^\circ\text{C}$
Model representative of models – **Annex 1**, on page 2

Applicant

"ELECTROSTART" JSCo., Bulgaria

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Manufacturer

"ELECTROSTART" JSCo., Bulgaria

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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-19-130/30.10.2019 № 2emc-e-19-130/30.10.2019

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/



The Certificate includes an Annex of one page



ANNEX 1

To the Certificate № EMC- 19- 000- (2emc-19-130)- 049E

List of models from the LED Edge panel series,

the representative of which is **LED Edge 48W PMMA 100lm/W 6500K**, Ref.№ **981148100064091**

LED Edge 36W PMMA 100lm/W 3000K	Ref.№ 981136100034004
LED Edge 36W PMMA 100lm/W 3000K UGR	Ref.№ 981136100134001
LED Edge 36W PMMA 100lm/W 4000K	Ref.№ 981136100044016
LED Edge 36W PMMA 100lm/W 4000K UGR	Ref.№ 981136100144013
LED Edge 36W PMMA 100lm/W 6500K	Ref.№ 981136100064090
LED Edge 36W PMMA 100lm/W 6500K UGR	Ref.№ 981136100164025
LED Edge 36W PS 100lm/W 3000K	Ref.№ 981136100032005
LED Edge 36W PS 100lm/W 3000K UGR	Ref.№ 981136100132002
LED Edge 36W PS 100lm/W 4000K	Ref.№ 981136100042017
LED Edge 36W PS 100lm/W 4000K UGR	Ref.№ 981136100142014
LED Edge 36W PS 100lm/W 6500K	Ref.№ 981136100062029
LED Edge 36W PS 100lm/W 6500K UGR	Ref.№ 981136100162026
LED Edge 36W PS 80lm/W 3000K	Ref.№ 981136080032006
LED Edge 36W PS 80lm/W 3000K UGR	Ref.№ 981136080132003
LED Edge 36W PS 80lm/W 4000K	Ref.№ 981136080042018
LED Edge 36W PS 80lm/W 4000K UGR	Ref.№ 981136080142015
LED Edge 36W PS 80lm/W 6500K	Ref.№ 981136080062030
LED Edge 36W PS 80lm/W 6500K UGR	Ref.№ 981136080162027
LED Edge 40W PMMA 100lm/W 3000K	Ref.№ 981140100034007
LED Edge 40W PMMA 100lm/W 3000K UGR	Ref.№ 981140100134092
LED Edge 40W PMMA 100lm/W 4000K	Ref.№ 981140100044019
LED Edge 40W PMMA 100lm/W 4000K UGR	Ref.№ 981140100144088
LED Edge 40W PMMA 100lm/W 6500K	Ref.№ 981140100064031
LED Edge 40W PMMA 100lm/W 6500K UGR	Ref.№ 981140100144093
LED Edge 40W PS 100lm/W 3000K	Ref.№ 981140100032008
LED Edge 40W PS 100lm/W 3000K UGR	Ref.№ 981140100132098
LED Edge 40W PS 100lm/W 4000K	Ref.№ 981140100042020
LED Edge 40W PS 100lm/W 4000K UGR	Ref.№ 981140100142089
LED Edge 40W PS 100lm/W 6500K	Ref.№ 981140100062032
LED Edge 40W PS 100lm/W 6500K UGR	Ref.№ 981140100162094
LED Edge 40W PS 80 Im/W 3000K UGR	Ref.№ 981140080132095
LED Edge 40W PS 80 Im/W 4000K UGR	Ref.№ 981140080142096
LED Edge 40W PS 80 Im/W 6500K UGR	Ref.№ 981140080162097
LED Edge 40W PS 80lm/W 3000K	Ref.№ 981140080032009
LED Edge 40W PS 80lm/W 4000K	Ref.№ 981140080042021
LED Edge 40W PS 80lm/W 6500K	Ref.№ 981140080062033
LED Edge 48W PMMA 100lm/W 3000K	Ref.№ 981148100034010
LED Edge 48W PMMA 100lm/W 4000K	Ref.№ 981148100044022
LED Edge 48W PS 100lm/W 3000K	Ref.№ 981148100032011
LED Edge 48W PS 100lm/W 4000K	Ref.№ 981148100042023
LED Edge 48W PS 100lm/W 6500K	Ref.№ 981148100062035
LED Edge 48W PS 80lm/W 3000K	Ref.№ 981148080032012
LED Edge 48W PS 80lm/W 4000K	Ref.№ 981148080042024
LED Edge 48W PS 80lm/W 6500K	Ref.№ 981148080062036

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