



Ref. Certif. No.

**ES2255**

**IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT  
(IECEE) CB SCHEME**

**CB TEST CERTIFICATE**

Product

BALLAST FOR DISCHARGE LAMPS

Name and address of the applicant

ELECTROSTART JSCo  
2 Republica Blvd.  
3540 Vurshets (Bulgary)

Name and address of the manufacturer

SAME AS ABOVE

Name and address of the factory

SAME AS ABOVE

*Note: When more than one factory, please report on page 2*

☐ Additional Information on page 2

Ratings and principal characteristics

See references on the Annex

Trademark (if any)

ELECTROSTART

Customer's Testing Facility (CTF) Stage used

-

Model / Type Ref.

See references on the Annex

Additional information (if necessary may also be reported on page 2)

Energy efficiency standards SASO 2902:2018 (Annex H and cl. 4) and EN 62442-2:2018 passed

A sample of the product was tested and found to be in conformity with

IEC 61347-1:2015 + AMD1:2017  
IEC 61347-2-9:2012

As shown in the Test Report Ref. No. which forms part of this Certificate

2019050289B1

This CB Test Certificate is issued by the National Certification Body

AENOR INTERNACIONAL S.A.U.  
Cl Génova, 6  
ES-28004 MADRID (SPAIN)

Date: 2019-07-30

Signature:  Rafael GARCÍA MEIRO  
Chief Executive Officer

# ANNEX TO CB CERTIFICATE N° ES2255

## CERTIFIED REFERENCES AND THEIR MAIN RATINGS

**Trade Mark:** ELECTROSTART

**Product:** BALLAST FOR DISCHARGE LAMPS

Reference	Rated voltage and frequency	Lamps type and quantity and rated power	Rated winding temperature (tw)	Rated winding temperature rise	Classification of the ballast	Additional information
HSI 1000W 220V 60Hz	220 V~ 60 Hz	HPSV, 1 x 1000 W	130 °C	80	To build-in	High discharge current; 10,30 A; PF: 0,47
HSI 400W 220V 60Hz	220 V~ 60 Hz	HPSV, 1 x 400 W	130 °C	95	To build-in	High discharge current; 4,45 A; PF: 0,44
HSI 600W 220V 60Hz	220 V~ 60 Hz	HPSV, 1 x 600 W	130 °C	85	To build-in	High discharge current; 6,20 A; PF: 0,47
HSI/MHI 150W 220V 60Hz	220 V~ 60 Hz	HPSV/MH, 1 x 150 W	130 °C	75	To build-in	High discharge current; 1,80 A; PF: 0,41
HSI/MHI 250W 220V 60Hz	220 V~ 60 Hz	HPSV/MH, 1 x 250 W	130 °C	85	To build-in	High discharge current; 3,00 A; PF: 0,43
HSI/MHI 70W 220V 60Hz	220 V~ 60 Hz	HPSV/MH, 1 x 70 W	130 °C	75	To build-in	High discharge current; 1,00 A; PF: 0,38
MVI/MHI 400W 220V 60Hz	220 V~ 60 Hz	MV/MH, 1 x 400 W	130 °C	85	To build-in	High discharge current; 3,25 A; PF: 0,58