



CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

Siraj Industries – Lightship Testing Laboratory
First Industrial Zone West Gulf of Suez, 40 - 45 F Ataqa
Suez, Egypt

Fulfills the requirements of

ISO/IEC 17025:2017

In the field of

TESTING

This certificate is valid only when accompanied by a current scope of accreditation document.
The current scope of accreditation can be verified at www.anab.org.

R. Douglas Leonard Jr., VP, PILR SBU

Expiry Date: 26 September 2024
Certificate Number: AT-3133



This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory
quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

Siraj Industries – Lightship Testing Laboratory

First Industrial Zone West Gulf of Suez, 40 - 45 F Ataqa

Suez, Egypt

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TESTING

Valid to: **September 26, 2024**

Certificate Number: **AT-3133**

Environmental Simulation

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Water protection IPX 3	IEC 60598-1:2020 RLV clause 9.2.4 IEC 60529:1989 +AMD1:1999+ AMD2:2013 clause 14.2.3	Luminaires & electrical equipment	Oscillating tube
Water protection IPX 4	IEC 60598-1:2020 RLV clause 9.2.5 IEC 60529:1989+AMD1:1999+ AMD2:2013 clause 14.2.4	Luminaires & electrical equipment	Oscillating tube
Water protection IPX 5	IEC 60598-1:2020 RLV clause 9.2.6 IEC 60529:1989+AMD1:1999+ AMD2:2013 clause 14.2.5	Luminaires & electrical equipment	IPX5 Hose Nozzle
Water protection IPX 6	IEC 60598-1:2020 RLV clause 9.2.7 IEC 60529:1989+AMD1:1999+ AMD2:2013 clause 14.2.6	Luminaires & electrical equipment	IPX6 Hose Nozzle
Water protection IPX 7	IEC 60598-1:2020 RLV clause 9.2.8 IEC 60529:1989 +AMD1:1999+ AMD2:2013 clause 14.2.7	Luminaires & electrical equipment	Immersion Tank
Resistance to Dust and Solid Objects IP 5X	IEC 60598-1:2020 RLV clause 9.2.1 IEC 60529:1989+AMD1:1999+ AMD2:2013 clause 13.5	Luminaires & electrical equipment	Dust Test Chamber

Environmental Simulation

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Resistance to Dust and Solid Objects IP 6X	IEC 60598-1:2020 RLV clause 9.2.2 IEC 60529:1989+AMD1:1999+AMD2:2013 clause 13.6	Luminaires & electrical equipment	Dust Test Chamber
Salt Spray Resistance	ASTM B117-19	Materials or Finishes	Salt Spray Chamber
Humidity test	IEC 60598-1:2020 RLV clause 9.3	Luminaires	Temperature/Humidity Chamber
Endurance Test	IEC 60598-1:2020 RLV clause 12.3 IEC 60598-1:2020 RLV Annex K (Temperature measurement) IEC 60598-1:2020 RLV Annex C (Abnormal circuit conditions)	Luminaires	Temperature/Humidity Chamber
Degrees of Protection Provided by Enclosures for Electrical Equipment Against External Mechanical Impacts (IK code)	IEC 62262:2002 clause 4.2 IEC 62262:2002 clause 5 IEC 62262:2002 clause 6 IEC 60068-2-75:2014 clause 5 IEC 60068-2-75:2014 Annex A IEC 60068-2-75:2014 Annex D IEC 60598-1:2020 clause 4.13.1 IEC/TR 62696:2011 clause 3.2 IEC/TR 62696:2011 clause 3.3 IEC/TR 62696:2011 clause 3.4	Luminaires & electrical equipment	IK Level Tester (07-10) Measuring Tape
Cross Dry Adhesion	ISO 2409:2020	Coating	Multi-blade Cutting Tool
Coating Thickness	ISO 2360:2017	Coating	Coating Thickness Meter

Electrical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
LED Driver Test (Input power – Output power – Input voltage – Output voltage – Input current – Output current – Power factor– UTHD - ITHD)	SOP-7.2-16 (LED Driver Test) EVERFINE LT-101A, LED Driver Tester Manual	LED Electronic Driver	LED Driver Tester

Photometric

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Measuring Luminous Flux and Color Maintenance	ANSI/IES LM-84-20	LED Lamps, Light Engines, and Luminaires	Accelerated Aging & Life Test System
Electrical and Photometric Measurements	ANSI/IES LM-79-19	Solid State Lighting	Goniophotometer System
Glare Measurement ² (UGR-GR-TI)	SOP-7.2-15 (Light Glare Measurements Test) EVERFINE LGM-200B, Lighting Glare Measurement System Manual	Indoor & Outdoor Lighting Applications	Glare Measuring System
Light Flickering Measurements ² (Flicker Index – Percentage Flicker)	SOP-7.2-17 (Light Flickering Analysis) EVERFINE LFA-3000, Light Flicker Analyzer Manual	Indoor & Outdoor Lighting Applications	Light Flicker Analyzer
Light Output Test ² (a) Illuminance (b) Correlated Color Temperature (CCT) (K) (c) Color Rendering Index (CRI)	SOP-7.2-12 (Light Output Test #2) ANSI/IES LS-4-20 clause 15 EVERFINE SFIM-400, Spectral Flickering Irradiance Meter Manual	Indoor & Outdoor Lighting Applications	Spectral Flickering Irradiance Meter
Reflectance Measurements	SOP-7.2-14 (Color Analysis Test) EVERFINE HACA-3650, High Accuracy Color Analyzer Manual	Materials or Finishes	High Accuracy Color Analyzer

Photometric

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Transmittance Measurements	SOP-7.2-14 (Color Analysis Test) EVERFINE HACA-3650, High Accuracy Color Analyzer Manual	Materials or Finishes	High Accuracy Color Analyzer
CIELAB Color Coordinates (L* - a* - b*)	SOP-7.2-14 (Color Analysis Test) EVERFINE HACA-3650, High Accuracy Color Analyzer Manual	Materials or Finishes	High Accuracy Color Analyzer

Note:

1. This scope is formatted as part of a single document including Certificate of Accreditation No. AT-3133.
2. The lab performs testing at the permanent location and customer site.



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