



Elite Airport Lighting Equipment Certification Program

IESALC Government Contacts Subcommittee
Virtual Meeting Fall 2021

Brad DeGrave
Program Administrator



Elite Electronic Engineering, Inc.
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Information about Elite

Elite Electronic Engineering, Inc.

Providing electromagnetic compatibility (EMC) and environmental (ENV) stress testing services since 1954



- Family-owned business with 80 employees
- 75,000 ft² campus in Downers Grove, IL
- Administrative, Testing, Certification, and full machine shop on campus
- ISO 17025 Testing Accreditation
- ISO 17065 Certification Body Accreditation



Photometric Capabilities

Full-service test and certification facility for aviation, automotive, military, electronics, and heavy equipment industries

Photometric Capabilities

- Luminous Flux (lumen)
- Luminous Intensity (Cd)
- Effective Intensity (Cd)
- NIR Radiant Intensity (W/sr)
- Chromaticity / Color

Key Equipment

- Type A Goniometer / 64 ft Distance
- 2-meter Integrating Sphere
- Portable Spectroradiometers
- Steady / Flashing Measurements



Third Party Certification Body Roles

- **Per 150/5345-53D, All Third Party Certification Bodies:**
 - Are accepted by the FAA to certify all L-types
 - Issue initial and revised Certificate of Conformance
 - Approve test plans and ensure test locations follow ISO17025
 - Evaluate equipment per -53D and respective Advisory Circulars
 - Ensure manufacturers maintain a suitable quality control program
 - Reviews modifications to equipment
 - Notify FAA of new and rescinded certificates

Current Program Statistics

- **Accepted by FAA in August 2020**
- **2 Licensed Manufacturing Facilities**
 - (4 Pending)
- **1 Certificate Issued**
 - (1 Pending)

Current Program Status – COVID 19

- **Testing facilities are open and available for full capacity**
 - Following CDC guidelines as well as Federal, State, and Local government policies
 - Visitors are limited to essential business
 - Utilizing video capabilities to share information and enhance shared understanding
- **Audits being evaluated on a case-by-case basis**
 - Utilizing remote capabilities when deemed appropriate
- **Constantly monitoring & updating all safety protocols to completely restore business operations to pre-COVID levels**

Key ALECP Personnel at Elite



Certification Staff



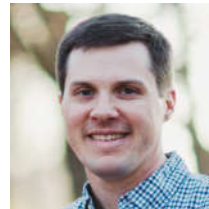
Brad DeGrave
FAA Program Administrator
Sr. Mechanical Engineer



Mark Gabalewicz
Certification Specialist
Sr. Mechanical Engineer



Jessica Kramer
Certification Specialist
Photometric Engineer



Technical Sales

Kevin Halpin
Project Engineer
Technical Sales



Robert Bugielski
Technical Sales
Quality Manager
Sr. EMC Engineer



Michael Cosentino
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For follow up questions

<https://www.elitetest.com/>

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