



CERTIFICATE NUMBER	21-2159127-PDA
EFFECTIVE DATE	17-Aug-2021
EXPIRY DATE	16-Aug-2026
ABS TECHNICAL OFFICE	Houston ESD - Electrical

# CERTIFICATE OF Product Design Assessment

This is to certify that a representative of this Bureau did, at the request of

## TRIDENT PRODUCTS LLC

located at

103 ROME COMMERCIAL PLACE, HOUMA, LA, United States,  
70363

assess design plans and data for the below listed product. This assessment is a representation by the Bureau as to the degree of compliance the design exhibits with applicable sections of the Rules. This assessment does not waive unit certification or classification procedures required by ABS Rules for products to be installed in ABS classed vessels or facilities. This certificate, by itself, does not reflect that the product is Type Approved. The scope and limitations of this assessment are detailed on the pages attached to this certificate.

**Product:** Lighting Fixtures, LED  
**Model:** FEK 600N and FEK 600  
**Endorsements:**  
**Tier:** 2 - PDA Issued

This Product Design Assessment (PDA) Certificate remains valid until 16/Aug/2026 or until the Rules and/or Standards used in the assessment are revised or until there is a design modification warranting design reassessment (whichever occurs first).

Acceptance of product is limited to the "Intended Service" details prescribed in the certificate and as per applicable Rules and Standards.

This Certificate is valid for installation of the listed product on ABS units which exist or are under contract for construction on or previous to the effective date of the ABS Rules and standards applied at the time of PDA issuance. Use of the Product for non-ABS units is subject to agreement between the manufacturer and intended client.

American Bureau Of Shipping
<i>Soheni Haque</i>
Soheni Haque,Engineer/Consultant

NOTE: This certificate evidences compliance with one or more of the Rules, Guides, standards or other criteria of ABS or a statutory, industrial or manufacturer's standards. It is issued solely for the use of ABS, its committees, its clients or other authorized entities. Any significant changes to the aforementioned product without approval from ABS will result in this certificate becoming null and void. This certificate is governed by ABS Rules 1-1-A3/5.9 Terms and Conditions of the Request for Product Type Approval and Agreement (2010)

**TRIDENT PRODUCTS LLC**  
103 ROME COMMERCIAL PLACE  
HOUMA LA  
United States 70363  
Telephone: 337-298-2742  
Fax: 985-851-7508  
Email: quentin.walker@scurlockelectric.com  
Web:

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**Tier: 2 - PDA Issued**

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**Product:** Lighting Fixtures, LED  
**Model:** FEK 600N and FEK 600  
**Endorsements:**

**Intended Service:**  
Marine & Offshore Application

**Description:**  
Marine Inside Type LED Recessed Luminaires

**Rating:**  
Voltage Range: 120-277 VAC  
Frequency: 50/60Hz  
Enclosure Rating: IP 20  
Input Wattage: 12W for FEK600N and 9W for FEK600

**Service Restriction:**  
Unit Certification is not required for this product. If the manufacturer or purchaser request an ABS Certificate for compliance with a specification or standard, the specification or standard, including inspection standards and tolerances, must be clearly defined.

**Comments:**  
The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.

**Notes/Drawing/Documentation:**  
Drawing No. Correspondence, Confirmation Email from UL, Revision: -, Pages: 1  
Supporting Documents:  
Drawing No. UL TEST REPORT E477452, Project No. 4786961582, 56 pages, Issue Date: October - 29 - 2015;  
Drawing No. Technical Datasheet\_DLR Series, 3 Pages

**Terms of Validity:**  
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## **STANDARDS**

**ABS Rules:**  
Rules for Conditions of Classification, Part 1 2021 Marine Vessels 1-1-4/7.7, 1-1-A3, 1-1-A4, which covers the following:  
2021 Marine Vessels (MVR): 4-8-3/Table 2 and 4-8-4/1.3

Rules for Conditions of Classification, Part 1 – 2021 Offshore Units and Structures 1-1-4/9.7, 1-1-A2, 1-1-A3, which

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covers the following:

2021 Mobile Offshore Units (MOU): 4-3-3/3.1.1(a) and 4-3-3/Table 1

**National:**

UL 1598 (5th Edition) 2021: Luminaires

UL 1598A (1st Edition) 2000: Supplemental Requirements for Luminaires for Installation on Marine Vessels

UL 8750 (1st Edition) 2015: Light Emitting Diode (LED) Equipment for use in Lighting Products

**International:**

NA

**Government:**

NA

**EUMED:**

NA

**OTHERS:**

NA