



CERTIFICATE NUMBER	21-2159129-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: FETP 121N and FETP 121
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:

Tier: 2 - PDA Issued

Product: Lighting Fixtures, LED
Model: FETP 121N and FETP 121
Endorsements:

Intended Service:
Marine and Offshore

Description:
Marine Inside Type LED Surface Mounted Luminaires

Rating:
Voltage Range: 120-277 V AC
Frequency: 50/60Hz
Input Wattage: 55W for FETP 121N and 18W for FETP 121
Enclosure Protection Rating: IP66
FETP121N - Maximum Ambient Temperature 55 °C
FETP121 - Maximum Ambient Temperature 55 °C if used with LED tubes that has 55 °C rating.

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.
The lighting fixtures are not suitable for installation in hazardous areas.

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

Notes/Drawing/Documentation:
Confirmation Email from UL, Revision: -, Pages: 1
Supporting Documents:
National Technical Systems Report No. PR04877, IP Rating Test Report, Issued Date 6 August 2016, Pages: 17
Ten One Services Co. Ltd Test Report No. 68.5.43.16.0720.01, High Temperature Test Report, Dated 27 October 2016, Pages: 5
UL Test Report E477507, Project No. 4786997340, Issue Date : 28 October 2015, Pages: 70
Technical Datasheet _LLSV Series, Pages: 3

Terms of Validity:
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STANDARDS

TRIDENT PRODUCTS LLC

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ABS Rules:

Rules for Conditions of Classification, Part 1, 2021 Marine Vessels Rules 1-1-4/7.7, 1-1-A3, 1-1-A4, which covers the following:

2021 Marine Vessel Rules (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 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 (2nd Edition) 2015: Light Emitting Diode (LED) Equipment for use in Lighting Products

International:

IEC 60529 (2019): Degree of protection provided by enclosures

Government:

NA

EUMED:

NA

OTHERS:

NA