



CERTIFICATE NUMBER	20-2048995-PDA
EFFECTIVE DATE	12-Nov-2020
EXPIRY DATE	11-Nov-2025
ABS TECHNICAL OFFICE	Rio de Janeiro Engineering - Machinery

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 LRD-2-4, LRD-4-4

This Product Design Assessment (PDA) Certificate remains valid until 11/Nov/2025 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

Roberto B. Assumpção
Roberto B Assumpcao, 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: LRD-2-4, LRD-4-4
Intended Service:
Marine and offshore applications.

Description:

LED recessed lighting fixtures constructed of corrosion-resistant aluminum body and frosted lens. Models with battery pack are indicated by having a "BB" suffix at the end of the model number.

Rating:

Voltage: 120 - 277 VAC

Frequency: 50/60 Hz,

Wattage: 37/20 W

Ambient operating temperature: -20°C to 45°C

Inherently Protected Type IC according to UL certificate No. 20191122-E477452, issue date: 2019-November-22

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. LRD Spec Sheet, LRD Series UL1598A Marine Type

Drawing No. ATL APL E477452 1378511, UL Listing, File E477452, ATL APL E477452 1378511, issue date: 2019-November-22

Terms of Validity:

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STANDARDS

ABS Rules:

2020 Rules for Conditions of Classification: 1-1-4/7.7, 1-1-A3, 1-1-A4, which covers the following:

2020 Rules for Building and Classing Marine Vessels: 4-8-3/1.3, 4-8-3/1.7, 4-8-3/1.11, 4-8-3/1.17

2020 Rules for Conditions of Classification – Offshore Units and Structures: 1-1-4/9.7, 1-1-A2, 1-1-A3, which covers the following:

2020 Rules for Building and Classing Mobile Offshore Units: 4-3-1/11, 4-3-1/15, 4-3-1/17

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Tier: 2 - PDA Issued

National:
NA

International:
NA

Government:
NA

EUMED:
NA

OTHERS:
NA