



CERTIFICATE NUMBER	22-2204868-1-PDA
EFFECTIVE DATE	05-May-2022
EXPIRY DATE	13-Jan-2027
ABS TECHNICAL OFFICE	Houston ESD - Offshore Equipment

CERTIFICATE OF Product Design Assessment

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

DIALIGHT CORPORATION

located at

1501 RT. 34 SOUTH, , FARMINGDALE, NJ, United States, 07727

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, Floodlights
Model: ProSite F1 and F2 series: Fxxxxx2xxxxxxx / Fxxxxx8xxxxxxx and Fxxxxx5xxxxxxx / Fxxxxx9xxxxxxx
Endorsements:
Tier: 2 - PDA Issued

This Product Design Assessment (PDA) Certificate remains valid until 13/Jan/2027 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

Sohail A. Mohammed

Sohail Ahmed Mohammed, 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)

DIALIGHT CORPORATION

1501 RT. 34 SOUTH
FARMINGDALE NJ
United States 07727
Telephone: 732-919-3119
Fax: 732-751-3190
Email: jsingh@dialight.com
Web: dialight.com
Tier: 2 - PDA Issued

Product: Lighting Fixtures, Floodlights
Model: ProSite F1 and F2 series: Fxxxxx2xxxxxxx / Fxxxxx8xxxxxxx and Fxxxxx5xxxxxxx / Fxxxxx9xxxxxxx

Endorsements:

Intended Service:
Marine & Offshore Applications - Lighting Suitable for Hazardous Locations.

Description:
LED Floodlight Luminaire. The luminaires are LED floodlights suitable for installation in wet locations

Rating:
Class I, Division 2, Groups A, B, C, D
Class I, Zone 2 Groups IIC

Class II, Division 1, Groups E, F, G

Zone 20 and 21
Class II, Division 2, Groups E, F, G

Zone 22
Class III
Ambient Temperature -40°C to 65°C
T-Code: T4
Ambient Temperature -40°C to 55°C
T-Code: T4A
Enclosure: NEMA 4X, IP66, IP67

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. Ref Doc_1, UL1598/A – Intertek Report # 104525921CRT-001, Revision: 2, Pages: 22
Drawing No. Ref Doc_2, UL844 – Intertek Report # 104546439CRT-001, Revision: 2, Pages: 24
Drawing No. Ref Doc_3, NEMA4X – Intertek Test Report # 104525921CRT-013T, Revision: 1, Pages: 9
Drawing No. Ref Doc_4, CB Scheme – Intertek Report # 104525921CRT-001B, Revision: md1, Pages: 94
Drawing No. Ref Doc_5, ATM for Report 104525921CRT-001 (2021_09_21), Revision: -, Pages: 2
Drawing No. Ref Doc_6, ATM for Report 104546439CRT-001 (2022_03_30), Revision: -, Pages: 2

Terms of Validity:
This Product Design Assessment (PDA) Certificate remains valid until 13/Jan/2027 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.

DIALIGHT CORPORATION

1501 RT. 34 SOUTH

FARMINGDALE NJ

United States 07727

Telephone: 732-919-3119

Fax: 732-751-3190

Email: jsingh@dialight.com

Web: dialight.com

Tier: 2 - PDA Issued

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.

STANDARDS

ABS Rules:

Rules for Conditions of Classification, 2022: Part 1: 1-1-4/7.7, 1-1-A3, 1-1-A4, which covers the following:
2022 Rules for Building and Classing Marine Vessel Rules: 4-8-3/13, 4-8-4/1.3

Rules for Conditions of Classification, Part 1 - 2022 Offshore Units and Structures: 1-1-4/9.7, 1-1-A2, 1-1-A3, which covers the following:

2022 Rules for Building and Classing Mobile Offshore Units: 4-3-3/3.1.1(a), 4-3-3/9.1

National:

UL 1598:2021 Ed.5

CSA C22.2 No. 250.0:2021 Ed.5

UL 1598A:2000 Ed.1

UL 844:2012 Ed.13

CSA C22.2 No.137:2021 Ed.2

NEMA 250:2014

International:

NA

Government:

NA

EUMED:

NA

OTHERS:

NA