

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Light Fitting

with type designation(s)
ProSite LED Floodlight - F1 and F2 Models

Issued to
Dialight Corporation
Wall Township, NJ, USA

is found to comply with
DNV rules for classification – Ships, offshore units, and high speed and light craft

Application :

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV.

Vibration class	A
Degree of protection	IP 66/67
Temp. class	D
Voltage (V)	See Page 2
Suitable for Hazardous areas	N/A

Issued at **Hamburg** on **2022-04-11**

for **DNV**

This Certificate is valid until **2027-04-10**.
DNV local station: **Houston Offshore Services**

Approval Engineer: **Maik Gagern**

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Arne Schaarmann
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.
The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



Product description

LED Floodlight – ProSite Series

Technical Info:

Housing	A360 Die-cast aluminum
Finish	Epoxy and polyester dual coat finish
CRI*	70 (80 optional)
CCT*	2700K (warm white) - 80 CRI, 4000K (neutral white), 5000K (cool white), Amber

F1 Models

Type	Max. Wattage	Voltage
F1[E,B]-XXXX-BDEN-VGN	81 W	100-277 VAC/120-250 VDC
F1[E,B]-XXXX-CDEN-VGN	124 W	100-277 VAC/120-250 VDC
F1[E,B]-XXAX-BDEN-VGN	226 W	100-277 VAC/120-250 VDC
F1[E,B]-XXXX-FDEN-VGN	234 W	100-277 VAC/120-250 VDC

F2 Models

Type	Max. Wattage	Voltage
F2[E,B]-XXAX-EDEN-VGN	461 W	100-277 VAC/120-250 VDC
F2[E,B]-XXXX-NDEN-VGN	484 W	100-277 VAC/120-250 VDC
F2E-XXXX-NDEN-VGN	499 W	347-415 VAC

Application/Limitation

Location Classes:

Vibration: A
 Humidity: B
 Temperature: D
 EMC: A

*CRI and CCT data for information only.

Type Approval documentation

[CB Scheme Test Report, IEC 60598-2-1](#)
[CB Scheme Certificate](#)
[Explanation of documentation](#)
[Type Testing – Floodlight](#)
[-U_xNxxxx_D-J_ENxxN](#)
[- 2D Drawing PDF](#)
[EMC Test Report](#)
[Humidity Test Report](#)
[Vibration Test Report - Heaviest Fixture in Product Family](#)

Tests carried out

DNV Class Guideline DNV-CG-0339, Edition Aug. 2021
 DNV Class Programme DNV-CP-0398, Edition Sept. 2021

Marking of product



Job Id: **262.1-036949-1**
Certificate No: **TAE00004GM**

Manufacturer's name or trade mark – type designation under which the product is type approved – voltage – maximum current - IP class.

Periodical assessment

The scope of the periodical assessment is to verify that the conditions stipulated for the Type approval are complied with and that no alterations are made to the product design or choice of materials.

The main elements of the assessment are:

- Inspection on factory samples, selected at random from the production line (where practicable)
- Results from Routine Tests (RT) checked (if not available tests according to RT to be carried out)
- Review of type approval documentation
- Review of possible change in design, materials and performance
- Ensuring traceability between manufacturer's product type marking and Type Approval Certificate.

Periodical assessment is to be performed after 2 years and after 3.5 years. A renewal assessment will be performed at renewal of the certificate.

END OF CERTIFICATE