



Certificate No:  
**TAE00004GZ**

# TYPE APPROVAL CERTIFICATE

## This is to certify:

### That the Light Fitting

with type designation(s)  
**LED Vigilant Bulkhead Series**

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.**

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

Issued at **Hamburg** on **2022-06-01**

for **DNV**

This Certificate is valid until **2027-05-31**.

DNV local station: **Houston Offshore Services**

Approval Engineer: **Maik Gagern**

.....  
**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

Vigilant Bulkhead Series LED Lighting Fixture

Standard Model

Type	Nominal Wattage	Voltage
BxExxx26NxxxxN	45 W	100-277 VAC/120-250 VDC
BxExxx23NxxxxN	22 W	100-277 VAC/120-250 VDC
BxExxA25NxxxxN	46 W	100-277 VAC/120-250 VDC
BxExxA23NxxxxN	24 W	100-277 VAC/120-250 VDC
BxExxG23NxxxxN	27 W	100-277 VAC/120-250 VDC
BxExxxG6Nxxxx(E/F/G)	48 W	230/240 VAC
BxExxxG3Nxxxx(E/F/G)	25 W	230/240 VAC
BxExxAG5Nxxxx(E/F/G)	49 W	230/240 VAC
BxExxAG3Nxxxx(E/F/G)	27 W	230/240 VAC
BxExxGG3Nxxxx(E/F/G)	33 W	230/240 VAC
BxExxx16Nxxxx(E/F/G)	48 W	110/120 VAC
BxExxx13Nxxxx(E/F/G)	25 W	110/120 VAC
BxExxA15Nxxxx(E/F/G)	49 W	110/120 VAC
BxExxA13Nxxxx(E/F/G)	27 W	110/120 VAC
BxExxG13Nxxxx(E/F/G)	33 W	110/120 VAC
Numbering Principle		
Digit	2	Form Factor
	4	Lens
	5	Optic
	6	Colour / CCT
	10	Mounting
	11	Entries
	12	Electrical Accessories
	13	Coating

## Application/Limitation

Maker 's instructions are to be observed.

Location Classes:

Vibration: A

Humidity: B

Temperature: D

EMC: A

## Type Approval documentation

Explanation of documentation  
CSAE 21UKEX3508X  
CSAE 21UKEX3509X  
Datasheet  
CB report surface mount  
Cd Report pole mount  
ENC  
Humidity Class B  
Vibration DNV Report  
Type Testing – Bulkhead  
Assesment Bulkhead Light  
IECEX\_CSA\_21.0  
CSAE 21UKEX9735X  
CSANe 21ATEX3246X  
CSANe 21ATEX3245X  
CSANe 21ATEX9272X  
Bulkhead BHD-G2-200622

## Tests carried out

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

## Marking of product

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