

# TYPE APPROVAL CERTIFICATE

## This is to certify:

### That the Light Fitting

with type designation(s)  
**TL 40**

Issued to

**LightPartner Lichtsysteme GmbH & CoKG**  
**Bremen, Germany**

is found to comply with

**Det Norske Veritas' Rules for Classification of Ships, High Speed & Light Craft and Det Norske Veritas' Offshore Standards**

## Application :

**Light fitting**

|                        |              |
|------------------------|--------------|
| <b>Vibration class</b> | <b>A</b>     |
| <b>Enclosure class</b> | <b>IP 67</b> |
| <b>Voltage class</b>   | <b>230 V</b> |
| <b>Ex class</b>        | <b>N/A</b>   |

This Certificate is valid until **2015-12-31**.

Issued at **Høvik** on **2015-07-01**

for **DNV GL**

DNV GL local station: **Essen**

Approval Engineer: **Nicolay Horn**

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**Marit Laumann**  
**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.

## Product description

Light fitting ; type TL40, multipurpose luminaire for engine rooms, stores, etc.  
Spec. 230 V - 50/60 Hz.

| Type designation | Part no.         | Power                     |
|------------------|------------------|---------------------------|
| TL40             | 5105 0005 ..-xxx | 1 x 14W; 1 x 18W; 1 x 24W |
| TL40             | 5105 0001 ..-xxx | 2 x 14W; 2 x 18W; 2 x 24W |
| TL40             | 5105 0006 ..-xxx | 1 x 28W; 1 x 36W; 1 x 50W |
| TL40             | 5105 0002 ..-xxx | 2 x 28W; 2 x 36W; 2 x 50W |
| TL40z LED        | 5105 0086 ..-xxx | 2 x 14W                   |

## Type Approval documentation

### Tests carried out

| Standard                                | Release | General description                                                     | Limitation |
|-----------------------------------------|---------|-------------------------------------------------------------------------|------------|
| DNV approval program 6-800 annex 826.10 | 2010    | ELECTRICAL EQUIPMENT APPENDIX A – DNV TYPE APPROVAL - 826.10 LUMINARIES |            |

## Marking of product

Manufacturer - type designation – 230 V – 50/60 Hz - power.

## Periodical assessment

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

The main elements of the survey are:

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

Assessment shall be performed at least every second year.

END OF CERTIFICATE