

TYPE APPROVAL CERTIFICATE

This is to certify:**That the Horizontal Class B Division**

with type designation(s)

Ceiling Light Fitting Types: DE16 LED, DE29 LED, DE95DCC, DE38 LED, DL90A, DL100, DL660M, DL170, DL225, DL63S, DL15U, DL34

Issued to

**Lightpartner Lichtsysteme GmbH & Co. KG
Bremen, Germany**

is found to comply with

DNV GL offshore standards**DNV GL rules for classification – Ships****DNV GL statutory interpretations DNVGL-SI-0364 – SOLAS interpretations****Application :****Approved for used as horizontal fire retarding division of class B-15 (with many of the light installations of class B-0)****Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.****This certificate is recognized by Transport Canada.”**Issued at **Hamburg** on **2020-04-03**This Certificate is valid until **2025-04-02**.for **DNV GL**DNV GL local station: **Hamburg CMC**Approval Engineer: **Roland Priebe**

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Jörg Kallies
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

The **Ceiling Light Fitting Types: DE16 LED, DE29 LED, DE95DCC, DE38 LED, DL90A, DL100, DL660M, DL170, DL225, DL63S, DL15U, DL34** are ceiling lights which are approved for use in the 40 mm thick **T-600/40 Self Suspended Ceiling B15/A30** ceiling panels (MEDB00001C1).

Light fittings	Approved as	Dimension with frame in mm	Depth in mm	Panel cut-out in mm	Fastening
DE16 LED	B-0	260 x 648	50	250 x 635	Fixed to two supporting alu-profiles fitted to the back of the panel
DE29 LED	B-0	270 x 652	90	240 x 635	Fixed with four brackets attached to the light body
DE95DCC	B-0	275 x 640	92	280 x 670	Fixed with two steel angles attached to the light body and which are connected to the supporting frame of the panels
DE38 LED	B-0	260 x 660	74	233 x 640	Fixed with four brackets attached to the light body
Downlight DL90A	B-0	Ø 82	99	Ø 74	Fixed with two spring clamps
Downlight DL100	B-0	Ø 100	24	Ø 84	Fixed with three spring traps
Downlight DL660M	B-0	Ø 121	93	Ø 97	Fixed with three spring traps
Downlight DL170	B-15	Ø 168	37	Ø 47	Fixed with screws into the ceiling panels
Downlight DL225	B-15	Ø 225	36	Ø 47	Fixed with screws into the ceiling panels
Downlight DL63S	B-0	Ø 166	68	Ø 143	Fixed with screws into the ceiling panels
Downlight DL15U	B-0	Ø 85	55	Ø 70	Fixed with screws into the ceiling panels
Downlight DL34	B-15	Ø 99	67	Ø 84	Fixed with screws into the ceiling panels

For further details refer to the documentation listed below under "Type Examination documentation".

Application/Limitation

The ceiling lights **DL34, DL170** and **DL225** are approved for use as a horizontal fire retarding division of **class B-15** in the "T-600/40 Self Suspended Ceiling B15/A30" (MEDB00001C1).

The ceiling lights **DE16 LED, DE29 LED, DE95DCC, DE38 LED, DL90A, DL100, DL660M, DL63S** and **DL15U** are approved for use as a horizontal fire retarding division of **class B-0** in the "T-600/40 Self Suspended Ceiling B15/A30" (MEDB00001C1).

Each product is to be supplied with its manual for installation, use and maintenance.

Type Approval documentation

Certification in accordance with Class Programme DNVGL-CP-0338, September 2018.

Test report No. 8117387412 dated 27th January 2020 issued by DMT GmbH & Co. KG, Dortmund, Germany.

List of drawings

Light fitting	Drawing number	Part No.
DE16 LED	B0-5111008610-001	5111008610-XXX
DE29 LED	B0-5111009110-001	5111009110-XXX

Job Id: **262.1-032010-1**
Certificate No: **TAF00001D9**

DE95DCC	B0-5111009410-001	5111009410-XXX
DE38 LED	B0-5111009610-001	5111009610-XXX
Downlight DL90A	B0-5301020500-001	5301020500-XXX
Downlight DL100	B0-5404000400-001	5404000400-XXX
Downlight DL660M	B0-5502000300-001	5502000300-XXX
Downlight DL170	B0-5503000700-009	5503000700-XXX
Downlight DL225	B0-5503000800-006	5503000800-XXX
Downlight DL63S	B0-5503002500-001	5503002500-XXX
Downlight DL15U	B0-5503002900-001	5503002900-XXX
Downlight DL34	B0-5303013700-002	5303013700-XXX

Tests carried out

Tested according to IMO Res. MSC.307(88) - 2010 FTP Code, Annex 1, Part 3.

Marking of product

The product or packing is to be marked with name and address of manufacturer, type designation and fire technical rating.

Periodical assessment

DNV GL's surveyor is to be given permission to perform Periodical Assessments at any time during the validity of this certificate and at least every second year. The arrangement is to be in accordance with procedure described in Class Programme DNVGL-CP-0338, Section 4.