

TECHNED TNAML LED Luminaires

>100.000hour maintenance free LED fixture

Techned TNAML >100.000 hour (10 year) maintenance free LED fixture an unique concept

An unique lighting concept. Sealed for life luminaires available as Industrial NON-ATEX and Industrial ATEX for zone 1/21 & 2/22. This products can be used in the most demanding applications such as shipping, offshore, chemical, petrochemical, food industry and on many places where it is difficult or expensive to exchange lamps and components. The luminaires are completely gas- and watertight IP66/IP68.

The luminaire is produced using the highest quality materials to offer a longterm solution.

The luminaires are available as 18W and 42W.

Techned Concept TNAML

>100.000 hours lifetime at L80B10.

>130 Lm/W of the luminaire.

100% Leakage test.

Fast and easy installation due to its flexible mounting system and the pre-wired connection box.

Seawater resistant anodized aluminium housing. (in accordance with NORSOK 121).

Tempered glass window for enhanced safety, very high impact resistant, IK 10 (20 joules).

Lens Clear and Frosted available.

Safety wire connection. Self-cleaning glass.

TNAML is a patented design.

Aging and ATEX approved.

100% Encapsulated, maintenance free design requiring only visual inspection to IEC/EN 60079-17

Certificates on request available.

Certificate:

IECEX: INE 18.0037X

ATEX: Ineris 18ATEX0039X

ATEX classification:

ATEX classifications Group II Category 2 G D

Applicable Zones:

Zone 1, 2, 21, 22

Applied standards:

EN/IEC 60079-0, 60079-1, 60079-7, 60079-18, 60079-28, 60079-31, EN 55015, EN 61000-3-2, EN 61000-3-3

Ex Code:

Gas Ex II 2 G Ex db eb mb op is IIC T6 Gb

Dust Ex II 2 D Ex tb IIIC T85°C Db

Inspection:

Visual inspection in accordance with EN/IEC 60079-17

Housing:

Seawater resistant anodized (25 micron) NORSOK 121 aluminium, tempered glass.

Light sources:

LED 4000K

Impact resistance:

IK 10 (20 joules)

IP Range:

IP66 and IP68 when junction box is filled with the supplied sealant.

Temperature range:

From -30°C to 55°C

Voltage:

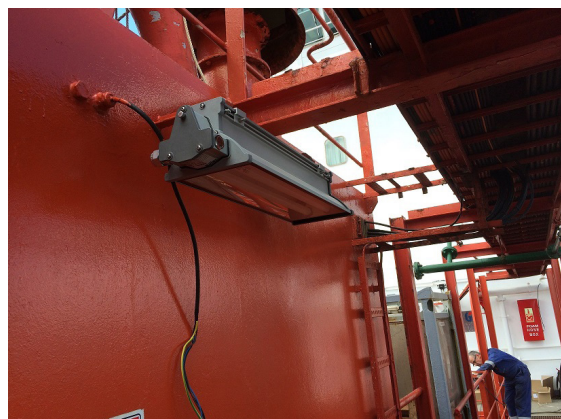
220-250V 50/60H +/-5%

Electrical connection:

0.5-6mm² spring terminals through integrated external junction box. (sealed after installation and test).

Cable entries:

2x M25 cable gland entries, one plugged off.



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Specifications:

Cable entry:

2 x M25 cable gland entries, one is plugged.
(Cable gland(s) must be ordered separate!!).

Mounting:

2 x adjustable brackets on guidance rail for easy and quick installation.

Options:

Electronic connection

6 meter flying lead, braided or AATB connection.

HACCP environment

For use in accordance with HACCP environment (food industry)

Safety Wire

For installation onto a fixing arrangement on the light fitting.

Other class areas

Zone II or Safe Area Version Industrial version.

Accessories:

Anti-corrosion set

As divider between the carbon steel of the ship bracket and the luminaire. Always needed to order for seawater conditions applications such as seagoing vessels.

Mounting brackets

Special brackets for pole mounting.

Cable gland

M25 Exd cable gland (at least one needed per luminaire).

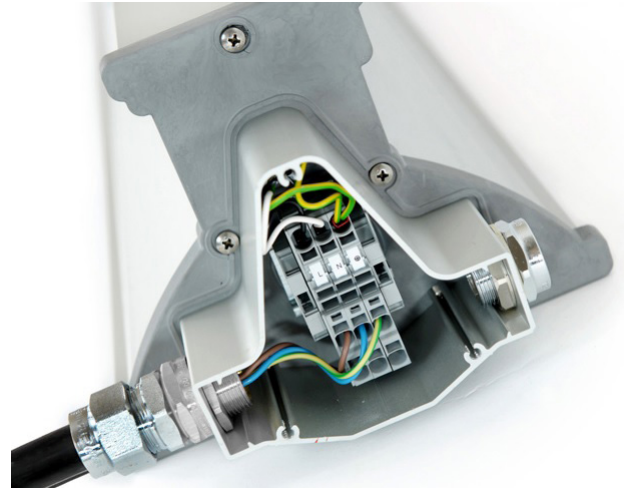
Ceiling brackets, special brackets for ceiling mounting.

Comes with the luminaire:

Installation instructions:

Cartridge with special sealant to fill the connection box after installation and test.

This box MUST ALWAYS be filled with this sealant for warranty purpose. After filling the box is the also IP68.



Connection of the cable inside the pre-wired connection box



After installation and test filling the connection box with the special supplied sealant



M25 Exd Cable gland



Repair Management Nederland B.V.
More management less firefighting

Distribution:
RMN B.V.

TECHNED
BENELUX
Built for safety & durability

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ATEX Zone 1-21 for gas

Number	Description	Lamps	Lumen
02TE222470	TNAML Ex Zone 1-21 LED 18W 220/504V 50/60Hz Clear	LED 4000K	2.340 lumen
02TE222471	TNAML Ex Zone 1-21 LED 18W 220/250V 50/60Hz Frosted	LED 4000K	2.340 lumen
02TE222472	TNAML Ex Zone 1-21 LED 41W 220/250V 50/60Hz Clear	LED 4000K	5.330 lumen
02TE222473	TNAML Ex Zone 1-21 LED 41W 220/250V 50/60Hz Frosted	LED 4000K	5.330 lumen

ATEX Zone 2-22 for dust

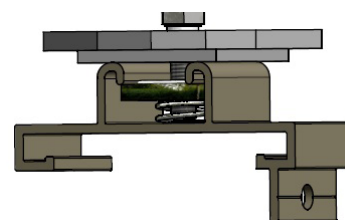
Number	Description	Lamps	Lumen
02TE223480	TNAML Ex Zone 2-22 LED 18W 220/504V 50/60Hz Clear	LED 4000K	2.340 lumen
02TE223481	TNAML Ex Zone 2-21 LED 18W 220/250V 50/60Hz Frosted	LED 4000K	2.340 lumen
02TE223482	TNAML Ex Zone 2-21 LED 41W 220/250V 50/60Hz Clear	LED 4000K	5.330 lumen
02TE223483	TNAML Ex Zone 2-21 LED 41W 220/250V 50/60Hz Frosted	LED 4000K	5.330 lumen

Industrial NON ATEX

Number	Description	Lamps	Lumen
02TE221490	TNAML LED 18W 220/250V 50/60Hz Clear	LED 4000K	2.340 lumen
02TE221491	TNAML LED 18W 220/250V 50/60Hz Frosted	LED 4000K	2.340 lumen
02TE221492	TNAML LED 41W 220/250V 50/60Hz Clear	LED 4000K	5.330 lumen
02TE221493	TNAML LED 41W 220/250V 50/60Hz Frosted	LED 4000K	5.330 lumen

Accessories

Number	Description
02TE223460	Pole mounting set TNAML
02TE223461	Ceiling mounting set TNAML
02TE6030	Anti-corrosion set TNAML for sea environments
7748075EX	M25 Exd cable gland TNAML



Anti-corrosion set