

LIGHTING

TEF 2438N LUMINAIRE

SAFE AREA

USER MANUAL

Subject to change without prior notice TUM1008 REV. B 17.07.2017



IMPORTANT

Read this instruction carefully before installing the product



TEF 2438N LUMINAIRE USER MANUAL

INTRODUCTION

Thank you for purchasing this product!
For installation, maintenance and assurance of a long life of this product, please follow this manual.

APPLICATIONS

- Deck lighting
- Signal lighting
- Obstacle marking
- Perimeter lights on helideck
- For use in safe areas
- General lighting

CONTENT IN BOX

The product is fully assembled, and ready for installation.

SAFETY PRECAUTIONS

Note that changes made to the product and/or installation of components which do not conform to the approval, may be a safety violation. The manufacturer will in no circumstance be held responsible for such activity. For your health and safety, always use safety gear suited for the task. Be certain to follow codes, regulations and/or specific procedures that are related to the installation.

TOOLS REQUIRED

Regular tools required for installation:

- 10 mm wrench –for assembling the luminaire.
- 27 mm wrench –for cable gland.
- 24 mm wrench –for pressure nut on the cable gland
- 4 mm flat screwdriver –for assemble and disassemble the plate w/lamp holder 2438 without economizer bulb.
- 5,5 mm flat screwdriver –for earth screw.

MAINTENANCE INSTRUCTIONS

The luminaire should be inspected according to Company routines. The manufacturer suggests regular check for water intrusion/condensation which should be removed immediately. Check the drain plug / drain hole function. When cleaning, use only mild detergents. Alcohol or petroleum based products may damage lens, paint or plastic components.

APPROVAL

NA

RUBBER SEAL

Cable diameter	Size	Part No.
5 - 9mm	Ø20,4/9 x 8mm	5002 0045
8,5 - 14mm	Ø20/13 x 8mm	5002 0038

Be sure to install the cable in a way wich prevents water to penetrate into the enclosure through the cable gland, also make sure to use the correct rubber seal when you install the luminaire.

INSTALLATION INSTRUCTIONS

Prior to the installation, remove the globe of the luminaire. This is done by turning the globe ring/guard counter clockwise, and then pull out both the guard and the globe. Ensure that the silicon gasket stay on the globe flange, as it is vital to obtain the water ingress protection.

The lamp is fastened to a structure typically by means of two M5 bolts, spaced at 120mm. If installed on a wall, ensure that the cable gland is pointing downwards to minimize the risk of water ingress through the cable gland.

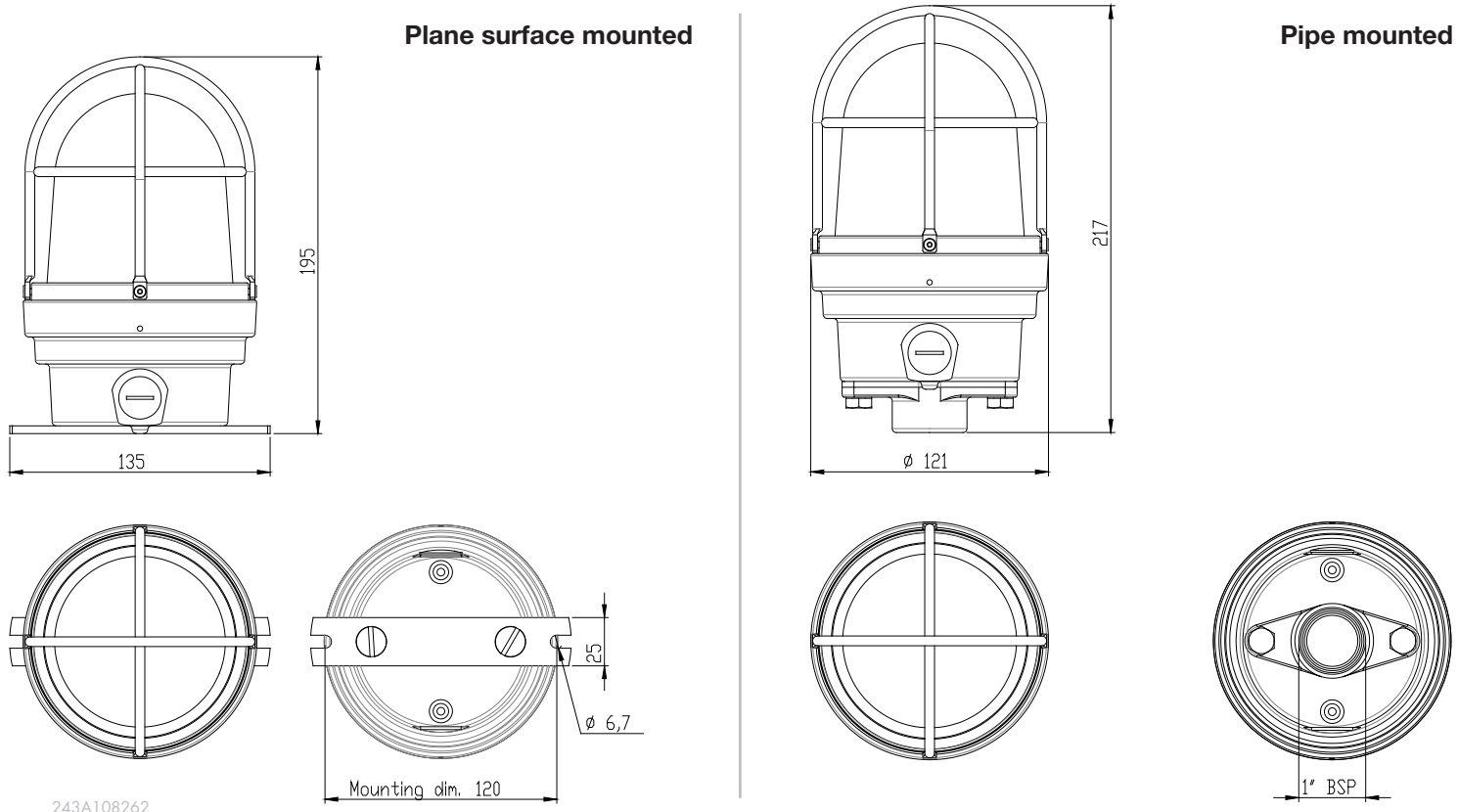
Remove the bottom assembly plate inside the luminaire. This is done by only loosening the two M3 screws, then slightly turning the bottom assembly plate until it can be pulled out.

Check that the rubber gasket inside the cable gland matches the dimension of the cable. See the section at bottom of the preceding page in this manual, and switch to a different size if required. Pull the cable through the cable gland and connect the wires to the terminals on the bottom assembly plate.

Replace the bottom assembly plate, while ensuring that the cable and wires beneath it, does not get jammed when the two screws for the bottom assembly plate are tightened. Then tighten the cable gland nut until the rubber gasket is firmly sealing against the cable.

Finally, test the lamp, then replace the globe and the globe ring/guard. Please ensure that the silicon gasket is free from foreign objects and that it is not twisted, nor dislocated, as that may impair the water ingress rating of the product.

Mount on plane surface, or on pipe 1" BSP (code 0)



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SPARE PART

Description	Rart No.
Globe clear, polycarbonate	5044 0018
Globe green, polycarbonate	5044 1006
Globe red, polycarbonate	5044 2006
Globe yellow, polycarbonate	5044 3004
Globe blue, polycarbonate	5044 1004
Globe amber, polycarbonate	5044 6001
Globe gasket, silicone	5001 0021
Lamp holder, E27	5087 0011
Lamp holder, B22	5088 0020
Guard, 2438N (2000 037)	2889
Cable gland, M20 marine Ø5,0-9,0/8,5-14,0mm	7045 043
Stopping plug M20 marine	50793008

TECHNICAL DATA

Material:	Cast copper alloy Globe: polycarbonate (Lexan 953A)
Input voltage:	230/240V AC 50/60Hz
Light source:	Incandescent/Compact fluorescent
Lamp holder:	E27/B22
Power consumption:	Max. 40W
Light output (w/ 40W incandescent lamp):	Clear: Min. 30cd, Yellow / Amber: Min. 30cd, Blue: Min. 5cd, Red: Min. 10cd, Green: Min. 10cd
Weight:	1,8 kg.
IP-rating:	IP56
Standard cable entries:	Pipe mounting (Scheme 0): 1 x Bottom entry (Max. Ø25mm), 2 x Stopping plugs M20 Surface mounting (Scheme 1): 1 x Cable gland M20 (Ø5.0-9.0/8.5-14.0mm), 1 x Stopping plug M20
Mounting:	On plane surface, or on pipe 1" BSP (code 0)