

1. **EU-TYPE EXAMINATION CERTIFICATE**
 2. **Equipment or Protective System Intended for use in Potentially explosive atmospheres
 Directive 2014/34/EU**

3. EU-Type Examination Certificate Number: **EESF 18 ATEX 066X Issue 1**

4. Product: **Luminaire for fixed installation**

Certified types:	Standard versions	Daisy chain versions	
	MEX0600-0300-...	MEX0600-0301-...	MEX0600-0302-...
	MEX0900-0300-...	MEX0900-0301-...	MEX0900-0302-...
	MEX1200-0300-...	MEX1200-0301-...	MEX1200-0302-...
	MEX1500-0300-...	MEX1500-0301-...	MEX1500-0302-...

5. Manufacturer: **Oy MTG-Meltron Ltd**

6. Address: **Laivakatu 3, FI-00150 Helsinki, Finland**

7. This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8. Eurofins Expert Services Oy, Notified Body number 0537, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential report No. EUFI29-20002756-T1.

9. Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0:2018	EN IEC 60079-7:2015/A1:2018	EN 60079-18:2015/A1:2017
EN 60079-28:2015	EN 60079-31:2014	

10. If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

11. This EU-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

12. The marking of the product shall include the following:

	Standard versions	Daisy chain versions
	II 2G Ex eb mb op is IIC T5 Gb	II 2G Ex eb mb op is IIC T4 Gb
	II 2D Ex tb op is IIIC T85°C Db	II 2D Ex tb op is IIIC T85°C Db
	-40 °C ≤ Tamb ≤ +60 °C	-40 °C ≤ Tamb ≤ +40 °C

Espoo, 08.10.2020
Eurofins Expert Services Oy

Kari Koskela
 Senior Expert

Jenni Hirvelä
 Senior Expert

This document is digitally signed.

13. **Schedule**

14. **EU-Type Examination Certificate EESF 18 ATEX 066X Issue 1**

15. **Description of Product**

Rated values

$U_N = 220 \dots 240 \text{ V AC}$

$P = 50 \text{ W (max)}$

$f = 50/60 \text{ Hz}$

Construction

The equipment is a series of LED luminaires including electronic control gear. The control gear and LED units have type of protection “mb”. The whole assembly, including connections and wiring for the control gear and LED units as well as supply cable, is enclosed within a polycarbonate tube and the assembly has type of protection “eb” for potentially explosive gas atmospheres and “tb” for potentially explosive dust atmospheres.

The daisy chain versions (MEX****-0301-... and MEX****-0302-...) have through wiring for connecting the luminaires in series, see Manufacturer’s instructions.

16. **Report Number**

EUF129-20002756-T1

17. **Specific Conditions of Use**

Electrostatic charging hazard; see the instructions of the manufacturer.

Luminaire has to be protected by external fuse with ratings of 250 V/10 A with current breaking capacity 1500 A.

Cable glands and breather vents with a seal to the enclosure shall be used.

If metallic cable glands are used, the capacitance value is of the order of 6 pF.

The adequate clamping of the cable shall be ensured by the user if so required in the EU-Type Examination Certificate of the cable gland.

18. **Essential Health and Safety Requirements**

The Essential Health and Safety Requirements are covered by the standards listed at item 9.

19. **Drawings and Documents**

Drawings and documents are listed in the confidential report.

20. **Certificate History**

Certificate	Date	Report No.	Change
VTT 14 ATEX 060X	24.10.2014	VTT-S-04124-14	Original Certificate
VTT 14 ATEX 060X Issue 1	4.4.2016	VTT-S-01387-16	New generation (MEX****-02...) with a modified driver included. Documents updated.
EESF 18 ATEX 066X	13.11.2019	EUF129-19002738-T1	The certificate number has changed due to name change of the Notified Body. Manufacturer’s name has changed to Meltron AB. The standard versions have been updated to generation 3 and the product names have been changed to MEX****-0300-... The ambient temperature range of the standard versions has been extended to -40°C. Daisy chain versions (MEX****-0301-...) have been included. Changes to PCB structures in driver and LED rod, and new LEDs. New alternative adhesive for the enclosure and degree of ingress protection IP66. New stainless steel mounting system. Documents updated.
EESF 18 ATEX 066X Issue 1	8.10.2020	EUF129-20002756-T1	New daisy chain models MEX****-0302-...added. The name of the manufacturer has changed to Oy MTG-Meltron Ltd.