

ENEC LICENSE

License No. ENEC-02364-M1
Page 1/4
Date of Issue 2019-08-19

License Holder NERI SPA
SS EMILIA 1622
LONGIANO, 47020 FC Italy

Production site NERI SPA
Via Delle Querce 4
Longiano, 47020 Fc Italy

Certification Mark See Annex 1

Certified Product Luminaire for road and street lighting

Model MNMILL203G702

See Page 2

Trademark NERI

Rated Voltage / Frequency 220-240 V ~ 50/60 Hz

Rated Current / Power 99 W See Page 2

Insulation Class Class II

Degree of protection (IP) IP66

Tested acc. to EN 60598-1:2015/A1:2018, EN 60598-1:2015, EN 60598-2-3:2003/A1:2011, EN 60598-2-3:2003

Test Report No. 4788712719-1 issued on 2019-08-09

Additional The report was revised to include technical modifications

Certification Manager
Jan-Erik Storgaard

Certification Body

This is to certify that representative sample(s) of the Product described herein ("Certified Product") have been investigated and found in compliance with the Standard(s) indicated on this License, in accordance with the ENEC Requirements. The Designated License holder is entitled to use the ENEC 15 Mark (as shown in annex 1) for the Certified Product manufactured at the production site(s) identified above in accordance with the ENEC Mark Service Agreement including without limitation the ENEC Mark Testing and Certification Services Service Terms. Only those Products bearing the ENEC Mark should be considered as being covered by UL's ENEC Mark Service. This License shall remain valid unless terminated earlier in accordance with the Service Agreement including without limitation if the Standard identified on this Certificate is amended or withdrawn prior the Date of Withdrawal of conflicting Standard(s).

UL International Demko A/S, Borupvang 5A, DK-2750
Ballerup, Denmark, Tel. +45 44 85 65 65, info.dk@ul.com
www.ul-europe.com



ENEC LICENSE

License No. ENEC-02364-M1
Page 2/4
Date of Issue 2019-08-19

Model Details:

Variants:

The main model extends also the models series Light Milos identified with the following speaking code:

aNMILLxxyzwwmm - 220-240 V~ 50 Hz Class II IP66 ta 50 °C (IK09)

Where:

- **a**: Identifies the pole mounting means, may be "M" for Ø 72 mm, "O" for Ø 60 mm
- **NMILL**.....: Fixed value which identifies the Light Milos series.
- **xx**: Identifies the photometric distribution of the luminaire (*).
- **y**: Identifies the CCT of the LEDs installed:
 - 1 : 3000 K
 - 2 : 2700 K
 - 3 : 4000 K
 - 5 : 2200 K
- **zz**: Identifies the flux size of the luminaire and it may assume the following values:
G0: 2500 lm, G1: 3500 lm, G2: 4500 lm, G3: 6000 lm, G4: 7500 lm, G5: 9000 lm, G6: 10500 lm, G7: 12000 lm

Following combination of LED module and LED driver are used to obtain flux size

zz	Max ratings	LED Driver	LED Module (#)
G0, G1	41W system power max LED current 800mA	40W	H0138 (XP-G3)
G2	43W system power max LED current 550mA	40W	H0128 (XP-G3)
G3, G4, G5	75W system power max LED current 1000mA	75W	H0128 (XP-G3)
G5, G6, G7	99W system power max LED current 1000mA	150W	H0129 (XP-G3)

- **ww**: For commercial use, in order to describe how LED driver options are configured (lumen maintenance or lumen reduction during night etc.) (*).
- **mmm**: Additional suffix may be included to specify features, like luminaire colour (*).

(*) = those data are not relevant for the safety of the products.

(#) = the current could be different depending on, for example, LED bins or CCT. In any case the following absolute maximum ratings could not be exceeded:

- LED chip XP-G3 – LED current 1000mA, LED number 32; LED bin S4164lm;

Note: the power values stated in the relevant rows above (for the speaking code "zz") are the maximum values; for this reason, the power values marked on the products labels may be lower.

The complete tests carried out on the model MNMILL203G702 were also considered as representative of the series arising from the following speaking code: 6999.030.yxxmmm (commercial name Light Milos Basic) where:

- **y**.....: Identifies the combination between LED module and LED controlgear used, it may assume the following values:
 - A: LED module 32 LEDs with LED driver 75 W, rated up to max 75 W;
 - B: LED module 20 LEDs with LED driver 75 W, rated up to max 67 W;
 - C: LED module 12 LEDs with LED driver 40 W, rated up to max 34 W;
 - D: LED module 32 LEDs with LED driver 150 W, rated up to max 99 W;
 - E: LED module 20 LEDs with LED driver 40 W, rated up to max 43 W;
- **xx**: Identifies the photometric distribution of the luminaire and the LED's CCT up to 4000K (*).
- **mmm** ...: Additional optionally suffix, may be included to specify aesthetical features (*).

(*) those data are not relevant for the safety of the products.

Certification Body

This is to certify that representative sample(s) of the Product described herein ("Certified Product") have been investigated and found in compliance with the Standard(s) indicated on this License, in accordance with the ENEC Requirements. The Designated License holder is entitled to use the ENEC 15 Mark (as shown in annex 1) for the Certified Product manufactured at the production site(s) identified above in accordance with the ENEC Mark Service Agreement including without limitation the ENEC Mark Testing and Certification Services Service Terms. Only those Products bearing the ENEC Mark should be considered as being covered by UL's ENEC Mark Service. This License shall remain valid unless terminated earlier in accordance with the Service Agreement including without limitation if the Standard identified on this Certificate is amended or withdrawn prior the Date of Withdrawal of conflicting Standard(s).



ENEC LICENSE

License No.	ENEC-02364-M1
Page	3/4
Date of Issue	2019-08-19

Additional Information:

The original report was modified to include the following changes/additions:

- Update of speaking code
- Update of electrical ratings
- Update of critical components list
- Update of LED disposition layout of models with 32, 24 and 16 LEDs as alternate construction
- Update of equipment list
- Addition of the luminaire evaluation according to Saudi Arabia requirements
- Addition of the luminaire evaluation according to AU/NZ requirements

This certificate replaces certificate no. ENEC-02364 issued on 2018-12-11

Certification Body

This is to certify that representative sample(s) of the Product described herein ("Certified Product") have been investigated and found in compliance with the Standard(s) indicated on this License, in accordance with the ENEC Requirements. The Designated License holder is entitled to use the ENEC 15 Mark (as shown in annex 1) for the Certified Product manufactured at the production site(s) identified above in accordance with the ENEC Mark Service Agreement including without limitation the ENEC Mark Testing and Certification Services Service Terms. Only those Products bearing the ENEC Mark should be considered as being covered by UL's ENEC Mark Service. This License shall remain valid unless terminated earlier in accordance with the Service Agreement including without limitation if the Standard identified on this Certificate is amended or withdrawn prior the Date of Withdrawal of conflicting Standard(s).



Annex 1 to License No.

ENEC-02364-M1

Annex of the form of the Mark



* Identification number of the Certification Body

Size of the mark:

The size of the mark may be reduced on the condition that it remains legible and that the ratio $b/a=1,7$ is kept

Certification Body

This is to certify that representative sample(s) of the Product described herein ("Certified Product") have been investigated and found in compliance with the Standard(s) indicated on this License, in accordance with the ENEC Requirements. The Designated License holder is entitled to use the ENEC 15 Mark (as shown in annex 1) for the Certified Product manufactured at the production site(s) identified above in accordance with the ENEC Mark Service Agreement including without limitation the ENEC Mark Testing and Certification Services Service Terms. Only those Products bearing the ENEC Mark should be considered as being covered by UL's ENEC Mark Service. This License shall remain valid unless terminated earlier in accordance with the Service Agreement including without limitation if the Standard identified on this Certificate is amended or withdrawn prior the Date of Withdrawal of conflicting Standard(s).

