

# CERTIFICATE

Issued to:  
Applicant:  
**SIA VIZULO**  
Starta street 1  
LV-1026 Riga, Latvia

Licensee:  
**SIA VIZULO**  
Starta street 1  
LV-1026 Riga, Latvia

Product : Street lighting / Floodlight luminaire with LED light source  
Trade name(s) : VIZULO  
Type(s)/model(s) : Micro Martin (MRUy XXX XXX XXX XXXX XXX XXX)

The product and any acceptable variation thereto is specified in the Annex to this certificate and the documents therein referred to.

DEKRA hereby declares that the above-mentioned product has been certified on the basis of:

- a type test according to the standard EN 60598-1:2015, EN 60598-1:2015/AC:2015, EN 60598-1:2015/AC:2016, EN 60598-1:2015/A1:2018, EN 60598-2-3:2003, EN 60598-2-3:2003/C11:2005, EN 60598-2-3:2003/A1:2011 and EN 60598-2-5:2015
- an inspection of the production location according to CENELEC Operational Document CIG 021
- a certification agreement with the number 2171759

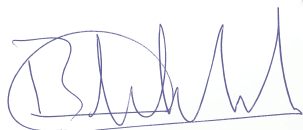
DEKRA hereby grants the right to use the ENEC certification mark.

The ENEC certification mark may be applied to the product as specified in this certificate for the duration of the ENEC certification agreement and under the conditions of the ENEC certification agreement.

This certificate is issued on 12 December 2018 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 71-106453

DEKRA Certification B.V.



B.T.M. Holtus  
Managing Director



A.C. Slingerland  
Certification Manager

© Integral publication of this certificate is allowed

ACCREDITED BY THE  
DUTCH ACCREDITATION  
COUNCIL



**SPECIFICATION OF THE CERTIFIED PRODUCT****Product data**

Product	: Street lighting / Floodlight luminaire with LED light source
Trade name(s)	: VIZULO
Type(s)/model(s)	: MRUy XXX XXX XXX XXXX XXX XXX
Product series	: Micro Martin
Rated voltage/nature of supply	: 220 - 240 Vac
Rated frequency	: 50/60 Hz
Rated current	: 30 mA - 330 mA
Rated power	: 5 - 75 W
Ambient temperature range	: ta = -40... +50 °C
Classification	: class I
Degree of protection against dust, moisture and solid objects	: IP66
Degree of protection against external mechanical impact	: IK08

**TESTS****Test requirements**

EN 60598-1:2015  
EN 60598-1:2015/AC:2015  
EN 60598-1:2015/AC:2016  
EN 60598-1:2015/A1:2018  
EN 60598-2-3:2003  
EN 60598-2-3:2003/C11:2005  
EN 60598-2-3:2003/A1:2011  
EN 60598-2-5:2015

**Test result**

The test results are laid down in DEKRA test file 222999600.

**Additional information**

The luminaire contains a LED module which is in compliance with EN 62031:2008 + A1:2013 + A2:2015 (tested as part of the appliance).

The Luminaires also fulfil the requirements of 62262 / IEC/TR 62969 with regard to protection provided by enclosures for electrical equipment against external mechanical impacts. IK08 for housing and IK08 for glass cover.

Retinal blue light hazard:

Luminaires (@ maximum rated wattage) equipped with LEDs manufactured by Osram model Oslon square (5700 K) have been evaluated according to IEC/TR 62778:2014 and a threshold distances of 2,11 m has been identified (details are laid down in SIA Baltic Research Center test report no. 1/31.07.18./PhB-01 issued on 2018-07-31).

Luminaires (@ maximum rated wattage) equipped with LEDs manufactured by Lumiled model Luxeon 5050 LED (5700 K) have been evaluated according to IEC/TR 62778:2014 and a threshold distances of 1,85 m has been identified (details are laid down in SIA Baltic Research Center test report no. 1/27.07.18./PhB-05 issued on 2018-07-27).

The list of components is laid down at test report 2229996.50.

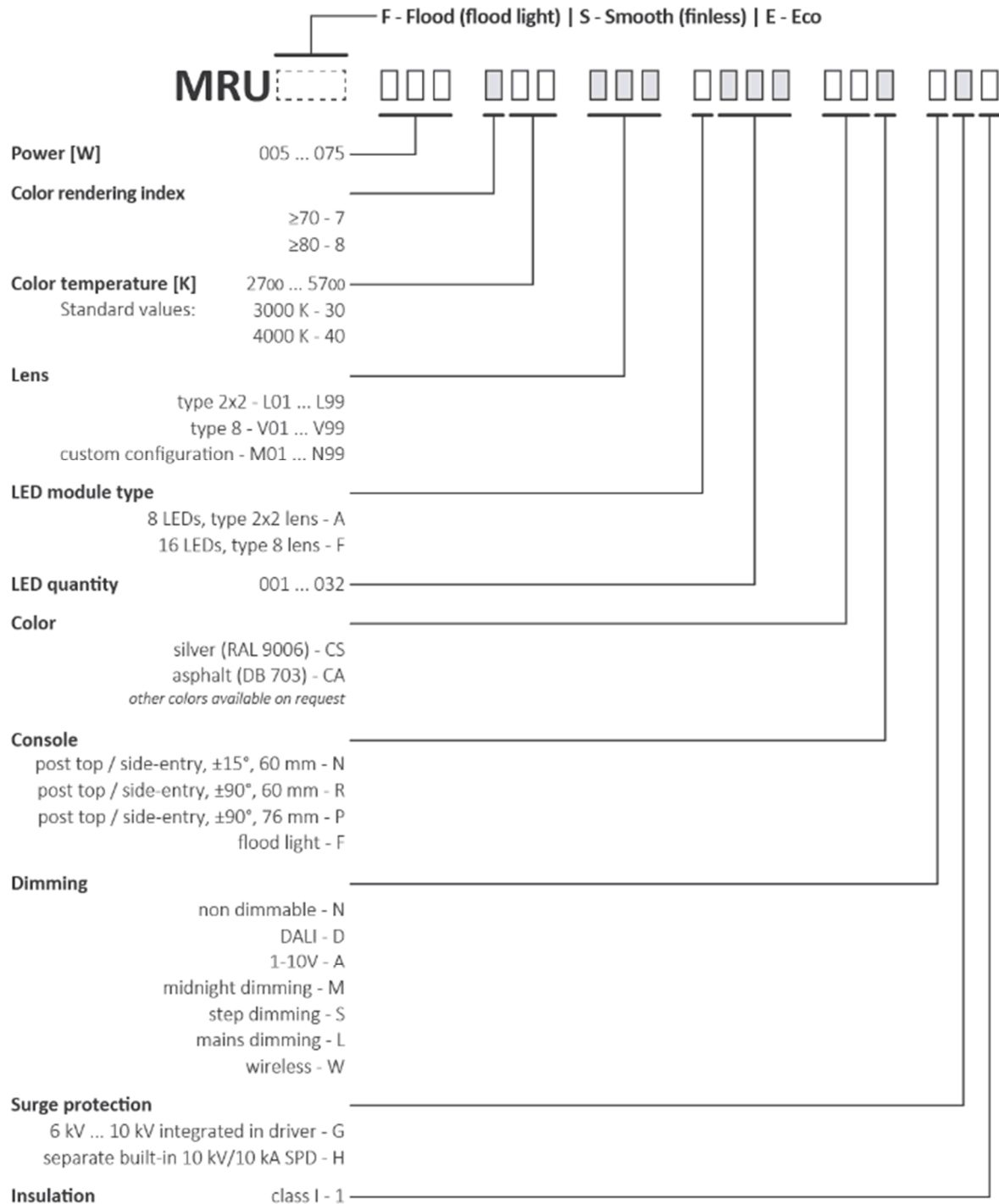
**Conclusion**

The examination proved that all requirements were met.

**Factory location**

Sia Vizulo  
Laucu Lejas  
3913 Lecava Novads, Latvia

**Product key:**



*NOTE: The "E" in the main model indication can be used in combination with other codes (e.g. MRUE, MRUFE and MRUSE).*