

CERTIFICATE

Issued to:
Applicant:
SIA VIZULO
Mukusalas street 41
LV-3913 Riga, Latvia

Manufacturer/Licensee:
SIA VIZULO
Mukusalas street 41
LV-3913 Riga, Latvia

Product : Street luminaire with LED light source
Trade name(s) : VIZULO
Type(s)/model(s) : MRS XXX XXX XXX XXXX XX 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 60598-2-3:2003 and EN 60598-2-3:2003/A1:2011
- 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 18 July 2017 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 71-100905

DEKRA Certification B.V.



drs. G.J. Zoetbrood
Managing Director



Henk Barends
Certification Manager

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SPECIFICATION OF THE CERTIFIED PRODUCT
Product data

Product	: Street luminaire with LED light source
Trade name(s)	: VIZULO
Type(s)/model(s)	: MRS xxx xxx xxx xxxx xx xxx
Model	: Mini Martin LED street luminaire
Rated voltage	: 220-240 V
Rated current	: 40mA - 480mA
Rated input power range	: 8 - 110 W
Nature of supply	: ac
Rated frequency	: 50-60 Hz
Ambient temperature range (ta)	: -40 ... + 50 °C (with OSRAM LED drivers only) -30 ... +50 °C (for ROAL and Tridonic LED drivers only)
Class	: I
Degree of protection against dust, solid object and moisture	: IP66
Degree of protection against external mechanical impact	: IK08 for glass cover, IK10 for translucent PC cover, IK09 for housing
Description	: Street lighting luminaire for post or pole mounting

List of components

Component	Manufacturer/ Trade name	Type/Model	Approval mark ¹⁾
LED driver	Osram	OT 40/120...277/1A0 4DIMLT2 E	ENEC
LED driver	Osram	OT 60/170...240/1A0 4DIMLT2 E	ENEC
LED driver	Osram	OT 90/170...240/1A0 4DIMLT2 E	ENEC
LED driver	Osram	OT 165/170...240/1A0 4DIMLT2 E	ENEC
LED driver	Osram	OT 50/120...277/800 2DIMLT2 P	ENEC
LED driver	Osram	OT 100/120...277/800 2DIMLT2 P	ENEC
LED driver	Osram	OT 50/120...277/700 P5	ENEC
LED driver	Osram	OT 100/120...277/700 P5	ENEC
LED driver	Tridonic	LCA 30W 250-700mA one4all C PRE OTD	ENEC
LED driver	Tridonic	LCA 60W 350-1050mA one4all C PRE OTD	ENEC
LED driver	Tridonic	LCA 75W 250-750mA one4all C PRE OTD	ENEC
LED driver	Tridonic	LCA 120W 350- 1050mA one4all C PRE OTD	ENEC
LED driver	Tridonic	LCA 30W 200-550mA 1-10 V C ADV OTD	ENEC
LED driver	Tridonic	LCA 60W 300-1050mA 1-10 V C ADV OTD	ENEC
LED driver	Tridonic	LCA 120W 300- 1050mA 1-10 V C ADV OTD	ENEC
LED driver	Tridonic	RSOZ70, 70W 0.35- 2.1A	ENEC

Surge protection device	Philips	929000886906, Xtreme Surge Protector I, Uc = 255 V, Uoc = 10 kV	KEMA-KEUR
LED Module	Vizulo	VBSR-013-L-01	*
LED Module	Vizulo	VBSR-014-L-01	*
LED Module	Vizulo	VBSR-014-L-02	*
LED Module	Vizulo	VBSR-013-L-02	*
LED Module	Vizulo	VBSR-013-O-02	*
LED Module	Vizulo	VBSR-013-O-03	*
LED Module	Vizulo	VBSR-014-O-01	*
LED Module	Vizulo	VBSR-014-O-02	*
LED Module	Vizulo	VBSR-014-O-03	*
LED Module	Vizulo	VBSR-013-U-01	*
Cable	various	H05RR-F - 3/5 x 0,75/1/1,5 mm ²	<HAR>
Cable	various	H05RN-F - 3/5 x 0,75/1/1,5 mm ²	<HAR>
Cable	various	H07RR-F - 3/5 x 0,75/1/1,5 mm ²	<HAR>
Cable	various	H07RN-F - 3/5 x 0,75/1/1,5 mm ²	<HAR>
Wiring	Alphawire	1855; 6715	*
Wiring	E.M.C. Colosio	H05V2-U, 0,75 mm ² , 90°C, 300 V	<HAR>
Connector	Wago	2061 series, 320 V, 12 A	*/ 2183015.50
Terminal block	Stucchi	ET88713005	ENEC
Terminal block	BJB	46.412 series, 450 V, 16 A	ENEC
Connector	Colosio	M140MN/3, 2 pole with PE, IP68	ENEC
Connector	Colosio	M140MN/6, 5 poles with PE, IP68	ENEC
MCPCB	Polytronic Technology Corp	-	*
LED	Lumileds	Luxeon T; Luxeon TX	*/UL
LED	Cree	XT-E	*/UL
LED	Osram	OSLON SQUARE	*/UL
LED	Seoul	Wicop2 Z8Y19	*

1) * indicates a component tested as part of the appliance

TESTS

Test requirements

EN 60598-1:2015
 EN 60598-1:2015/AC:2015
 EN 60598-1:2015/AC:2016
 EN 60598-2-3:2003
 EN 60598-2-3:2003/A1:2011

Test result

The test results are laid down in DEKRA test file 219900300 and 219340900.

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).

These products have been tested for Photo-biological safety. 8 W up to 110 W comply with non-GLS - Risk-Group 1 (no labeling required); based upon evaluation of whole luminaire according to IEC TR 62778.

This certificate replaces certificate No. 2193409.03 which we herewith declare invalid.

Conclusion

The examination proved that all requirements were met.

Factory location

Sia Vizulo
Laucu Lejas
3913 Lecava Novads, Latvia

