

CERTIFICATE

Issued to:
Applicant:
VEKO Lightsystems International BV
Witte Paal 38
1742 NL Schagen, Netherlands

Licensee:
VEKO Lightsystems International BV
Witte Paal 38
1742 NL Schagen, Netherlands

Product : Luminaires with LED light source
Trade name(s) : VEKO
Type(s)/model(s) : RENOFIT Series

The product and any acceptable variation thereto as 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 EN IEC 60598-1:2021, EN IEC 60598-1:2021/A11:2022, EN IEC 60598-2-1:2021 and EN 60598-2-24:2013
- an inspection of the factory location according to CENELEC Operational Document CIG 021
- a DEKRA certification agreement with the number 961855

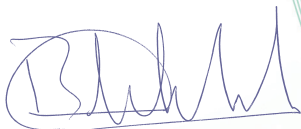
DEKRA hereby grants the right to use the ENEC certification mark.

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

This certificate is issued on 25 February 2024 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 71-135544

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



Miranda Zhou
Certification Manager

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SPECIFICATION OF THE CERTIFIED PRODUCT
Product data

Product	: Luminaires with LED light source
Trade name(s)	: VEKO
Type(s)/model(s)	: Renofit Series (LRFx-Axxx-07-840-DD Z)
Rated voltage / nature of supply	: 230 Vac or 220-240 Vac
Rated frequency	: 50-60 Hz
Rated Current	: 244 - 494 mA
Rated power	: max 70,3 W
Classification	: Class I
Ambient temperature	: ta: 35 °C
Degree of protection against ingress of dust, solid objects and moisture	: IP40

List of components

Component	Manufacturer/ Trade name	Type/Model	Approval mark ¹⁾
Trunking profiles T2501/07	VEKO	PNR 05500	*
Trunking profiles T2501/07	VEKO	PNR05515	*
Trunking profiles T2501/07	VEKO	PNR 05532	*
Trunking profiles T2501/07	VEKO	PNR 05532/1	*
Trunking profiles T2501/07	VEKO	PNHR 05500	*
Trunking profiles T2501/07	VEKO	PNR 05500-B	*
Trunking profiles T2501/07	VEKO	PNR 05532/B-1	*
Trunking profiles T2501/07	VEKO	PPR 05515/1	*
Trunking profiles T2501/07	VEKO	PWR 05500	*
Trunking profiles T2501/07	VEKO	PWR 05500-B	*
Trunking profiles T2501/07	VEKO	PNR 05554/1	*
Trunking profiles T2501/07	VEKO	PNR 11154/2	*
Trunking profiles T2501/07	VEKO	PNR 07500	*
Trunking profiles T2501/07	VEKO	PNR03000	*
Trunking profiles T2501/07	VEKO	PNHR 096 Lucan	*
Internal wiring	Salcavi	H05Z-U, 0,5 mm ² , min. 90°C	IMQ, <HAR>
Internal wiring	Leoni	H05Z-U, 0,5 mm ² , min. 90°C	KEMA-KEUR, <HAR>
Internal wiring	Eldra	H05Z-U, 0,5 mm ² , min. 90°C	<HAR>
PWB LED module	Various	MCPCB, min. 90°C, min. 94V-1	*/UL

PWB LED module	Various	FR4, min. 90°C, min. 94V-1	*/UL
PWB LED module	Various	CEM1, min. 90°C, min. 94V-1	*/UL
LED Module	VEKO	PCB LIN 355 4000K	*/UL E359086
LEDs	SSC	STWxQ14D-xx	*
LEDs	SSC	STWxA12D-xx	*
LEDs	Samsung	LM281B+	*
LEDs	Samsung	LM561B+	*
LEDs	Samsung	LM561C	*
LEDs	Lumileds	Luxeon 3535LHE	*
LEDs	Lumileds	Luxeon 2835x 3V	*
LEDs	Neumuller	NMOP-1000xB	*
Electronic LED drivers	OSRAM	OT FIT 35/220-240/350 D LT2 L, 220-240 V, 35 W, max. 350 mA	ENEC
Electronic LED driver	OSRAM	OT FIT 75/220-240/550 D LT2 L, 220-240 V, 75 W, max. 550 mA	ENEC
Electronic LED driver	OSRAM	OTi DALI 35/220-240/400 D LT2 L, 220-240 V, 35 W, max. 400 mA	ENEC
Electronic LED driver	OSRAM	OTi DALI 35/220-240/400 D NFC TW L, 220-240 V, 35 W, max. 400 mA	ENEC
Electronic LED driver	OSRAM	OTi DALI 75/220-240/700 D NFC TW L, 220-240 V, 75 W, max. 700 mA	ENEC
Electronic LED driver	OSRAM	OT FIT 35/220-240/350 D NFC L, 220-240 V, 350 mA	ENEC
Electronic LED driver	OSRAM	OT FIT 75/220-240/550 D NFC L, 220-240 V, 550 mA	ENEC
Electronic LED driver	OSRAM	OT FIT 75/220...240/550 D NFC IND L, 75 W, max 550 mA	ENEC
Electronic LED driver	OSRAM	OTI DX 75/220...240/600 D NFC L, 75 W, max 600 mA	ENEC
Electronic LED driver	OSRAM	OTI DX 35/220...240/400 D NFC L, 35 W, 700 mA	ENEC
Cable Gland	HUMMEL	HSK-K-PG13,5 & PG16, HSK-M16 & M20; IP68	VDE
Cable Gland	KLEINHUIS	IPON PG13,5 , PG16, M16, M20; IP68	VDE
Cable Gland	LAPP KABEL	Skintop PG13,5 , PG16, M16, M20; IP68	VDE
Cable Gland	WISKA	SKV & ESKV PG13,5 , PG16, M16, M20, IP68	VDE

Cable Gland	WISKA	KVG13,5 & 16; IP54	VDE
Cable Gland	WISKA	M25	VDE
Connector system	WAGO	267-437, 500 V, 6 A, 3 to 7 pole, 1,5 - 2,5 mm ²	KEMA-KEUR
Connector female	WAGO	267-16x (x = 3 to 7 denoting no. of poles), 500 V, 6 A, 0,5 - 1,0 mm ²	KEMA-KEUR
Connector female	WAGO	267-516, 500 V, 16 A, 7 pole, 1,5 - 2,5 mm ²	KEMA-KEUR
Connector male	WAGO	267-501, 500 V, 16 A, 7 pole, 1,5 - 2,5 mm ²	KEMA-KEUR
Connector female	WAGO	267-551; 500 V, 16 A, 3 pole, 1,5 - 2,5 mm ²	KEMA-KEUR
Connector male	WAGO	267-560, 500 V, 16 A, 3 pole, 1,5 - 2,5 mm ²	KEMA-KEUR
Plastic Material	VEKO	Optic Beam Renofit 1495	*
Plastic Material	VEKO	Renofit Endcap	*
Plastic Material	Essentra	Cable holder	*
Plastic Material	VEKO	Endcap profile closed	*
Plastic Material	VEKO	Endcap profile closed with M25 slot	*
Plastic Material	VEKO	Endcap seal	*
Plastic Material	VEKO	Fallout safety clip	*
Plastic Material	VEKO	Flatcable fixing clip	*

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

TESTS

Test requirements

EN IEC 60598-1:2021
 EN IEC 60598-1:2021/A11:2022
 EN IEC 60598-2-1:2021
 EN 60598-2-24:2013

Test result

The test results are laid down in DEKRA test file 228243600.

Additional information

The RENOFIT luminaire series is based on the MAGUS series of VEKO, they are for use in combination with Carrying tracks type P..., manufactured by the same manufacturer. The RENOFIT series can also be brought as an upgrade pack to update fluorescent lamp luminaires into led luminaires.

These products may be provided with a D-marking, as laid down in EN 60598-2-24:2013

The built in LED modules used for the luminaire series have been separately evaluated and are compliant with IEC EN 62031:2020+A11:2021

A representative luminaire was tested against the requirements of IEC TR 62778. The luminaire complies with classification group: "Exempt" (no marking required)

Conclusion

The examination proved that all requirements were met.

Factory location

VEKO Lightsystems International BV
Witte Paal 38
1742 NL Schagen, Netherlands

Product Key:

LRFx-C352-07-840-04 nSjQfy21bxcz
LRFx-Axxx-07-840-DD Z

LRFx	= Renofit series Luminaire
A	= Optic lens (C, N) N = Wide C = Circular
xxx	= Length + number of LEDs (352, 355) 352 = 1,53m with 144 LEDs 355 = 1,53m with 288 LEDs
840	= CRI + CTT (CRI80, 4000K)
DD	= LED Driver (01, 04) 01 = 35W Driver 04 = 75W Driver
Z	= Programming code