

OVE Austrian Electrotechnical Association
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OVE Certification
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ENEC Certification Body registered under ID # 11.

Validity of ENEC Licences can be checked at www.enec.com

LICENCE

to use the European Mark



Licence No.: **22159-010**

Date of issue: Wien, 2018 08 08
Rev. No.: 01 Wien, 2021 12 22

OVE the Austrian Electrotechnical Association as signatory to the **"Agreement on the use of a commonly agreed Mark of Conformity for certain electrical equipment complying with European Standards"** hereby grants the right to label the products mentioned hereunder and listed in the Annex with the Mark(s) shown above to the following company

Licenceholder: **Zumtobel Lighting GmbH**
Grevenmarschstr. 74-78
32657 Lemgo
Germany

Product: **Ceiling recessed luminaires**

Trade Mark:  **ZUMTOBEL**

Series/Type: **Cardan Evolution**

Basis for this given right is the conformity of the products with the requirements of the relevant Standard(s) as listed in the Annex and the fulfilment of articles 8 and 9 of the ENEC-Agreement by the manufacturer. This licence refers to the tested specimen and to all products manufactured strictly identical to the submitted one.

This licence has been issued under the presumption and conditional on the fact that the licensee holds all necessary legal rights with regard to the product presented for testing and certification.

Österreichischer Verband für Elektrotechnik
Head of OVE Certification



Digitally signed by T. Neumayer
Email=t.neumayer@ove.at

Dipl.-Ing. T. Neumayer



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<i>Hersteller Manufacturer</i>	Zumtobel Lighting GmbH Grevenmarschstr. 74-78 32657 Lemgo Germany
<i>Fertigungsstätte(n) Factory location(s)</i>	Zumtobel Lighting GmbH Grevenmarschstr. 74-78 32657 Lemgo Germany
<i>Typenbezeichnung Type reference</i>	CAR EVO M ..., CAR EVO L ..., see typelist on page 5.
* <i>Prüfbericht Test Report</i>	TR-22159-0011-02 ECS
* <i>Nationale Bestimmung(en) National Standard(s)</i>	ÖVE/ÖNORM EN 60598-2-2:2012-11-01
* <i>Europanorm(en) European Standard(s)</i>	EN IEC 60598-1:2021 EN 60598-2-2:2012
* <i>Ersatz für Zertifikat Superseded licence</i>	22159-010 dated 2018 08 08 Items modified are marked with an asterisk (*)
<i>Anmerkung(en) Remark(s)</i>	CTF Stage 3

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* <i>Nennspannung</i> <i>Rated voltage</i>	220-240 V, 50/60Hz or 0/50/60 Hz
* <i>Anzahl und Leistung der Lampen</i> <i>Rated wattage and number of lamps</i>	1x LED module 24/36/55/80 W
<i>Lampentyp(en)</i> <i>Lamp identification</i>	LED
<i>Schutzgrad</i> <i>Degree of protection</i>	IP20
<i>Netzanschluss</i> <i>Supply connection</i>	Screwless terminals (of LED control gear)
<i>Befestigungsfläche</i> <i>Supporting surface</i>	Normally flammable surface. Not suitable for covering with thermally insulating material.
<i>Schutzklasse</i> <i>Class of protection</i>	CI.II
<i>Beschreibung des Aufbaus</i> <i>Description of construction</i>	Fixed ceiling recessed luminaires for indoor use. Housing made of aluminium and thermoplastic material.
<i>Zusatzinformation</i> <i>Additional information</i>	Classified within limits of risk group 1 (low risk) according EN 62471:2008.

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<i>Bauteil</i> <i>Component</i>	<i>Code</i>	<i>Hersteller</i> <i>Manufacturer</i>	<i>Typenbezeichnung</i> <i>Type Reference</i>	<i>Konformitätszeichen</i> <i>Mark(s) of conformity</i>
<i>LED control gears:</i>				
*	B	Tridonic	LC 25/600/42 fixC SC ADV2	ENEC 11
	B	Tridonic	LC 40W 900mA fixC SC ADV	ENEC 11
	B	Tridonic	LCA 25W 350-1050mA one4all SR PRE	ENEC 11
	B	Tridonic	LCA 45W 500-1400mA one4all SR PRE	ENEC 11
	B	Tridonic	LC 100W 1100-2100mA flexC SR EXC	ENEC 11
	B	Tridonic	LCA 100W 1100-2100mA one4all SR PRE	ENEC 11
*	B	Tridonic	LC 38/900/42 fixC SC ADV2	ENEC 11
*	B	Tridonic	LC 60W 900-1750mA flexC SR EXC	ENEC 11
*	B	Tridonic	LCA 60W 900-1750mA one4all SR PRE	ENEC 11
<i>LED modules:</i>				
* CAR EVO M	B	Citizen	CLU038-1205C4-35...	ENEC 18
*	B	Citizen	CLU03J-1205C9-...	ENEC 18
*	B	Citizen	CLU03J-1208C9-...	ENEC 18
* CAR EVO L	B	Citizen	CLU04J-1812C9-40...	ENEC 18
<i>Wiring:</i>				
CAR EVO L	C	Salcavi Spa	(A)03ZZH2-F 2x0,75mm ²	Checked within appliance
CAR EVO M	C	Helukabel	Helutherm 145 2x0,5mm ²	Checked within appliance
<i>Sleeve:</i>				
only EVO M	C	Kremer	POLYTEX UL-1441-A 20103	Checked within appliance
<i>LED holder:</i>				
* CAR EVO L	B	BJB	47.319 DC 150V, 3A, T105°C	VDE
* CAR EVO M	B	BJB	47.361 DC 150V, 3A, T105°C	VDE
<i>Connector:</i>				
* only EVO L	B	TE Connectivity	Nector S 7.5 mm Mini HVL plug/connector system 2933xx, AC 250V; 2,5A; 120°C	VDE
<i>Thermal interface</i>				
	C	Bergquist	Hi-Flow 300P 0,127mm; 5kV	Checked within appliance
<i>Insulation materials:</i>				
CAR EVO M/L and Frames	C	Sabic	PC Lexan 915R	Checked within appliance
Rings for CAR EVO L	C	Geba	Gebalon PC Ultimate G10 FR	Checked within appliance
Center ring for CAR EVO L	C	Sabic	PC LEXAN Resin 123R	Checked within appliance

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Reflectors	C	Sabic	PC LEXAN Resin 123R	Checked within appliance
A The component is replaceable with another one, also certified, with equivalent characteristics. B The component is replaceable if authorised by the test house. C Integrated component tested together with the appliance. D Alternative component.				

Typelist:

	Type	Type description	Rated power [W]	LED-module
	E14714	CAR EVO M LED....-9.. SWI ...	24	CLU038-1205C4-35... CLU03J-1205C9-...
	E14715	CAR EVO M LED....-... SWI ...	36	CLU03J-1208C9-...
	E14716	CAR EVO M LED....-... SWI ...	36	CLU03J-1208C9-...
	E14718	CAR EVO M LED....-9.. LDO ...	24	CLU038-1205C4-35... CLU03J-1205C9-...
	E14719	CAR EVO M LED....-... LDO ...	36	CLU03J-1208C9-...
	E14720	CAR EVO M LED....-... LDO ...	36	CLU03J-1208C9-...
	E14722	CAR EVO L LED....-940 SWI ...	80	CLU04J-1812C9-40...
	E14723	CAR EVO L LED....-940 LDO ...	80	CLU04J-1812C9-40...
	E14872	CAR EVO L LED....-940 SWI ...	55	CLU04J-1812C9-40...
	E14873	CAR EVO L LED....-940 LDO ...	55	CLU04J-1812C9-40...

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Typecode:

CAR EVO . LED..... -

Body/ring colour

WH.....white

SMsilver matt

Reflector

SPspot

FLflood

WFL.....wide-flood

VOPT.....vertical optic

Type of controlgear / dimmable

LDO DALI dimmable

SWI.....Switchable

Luminous colour

930.....3000K, CRI > 90

935.....3500K, CRI > 90

940.....4000K, CRI > 90

830.....3000K, CRI > 80

840.....4000K, CRI > 80

Special colours for types E14716 and E14720:

FW, BKY, MEAT, BKY, FISH, DELIC, CHEESE, FRUIT

Nominal luminous flux

Light source

Size

M.....ceiling cut-out Ø145mm

L.....ceiling cut-out Ø225mm

Luminaire series

CAR EVO Cardan Evolution

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