

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

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LICENCE

to use the European Mark



Licence No.: **22159-009**

Date of issue: Wien, 2018 04 06
Rev. No.: 03 Wien, 2024 07 18

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

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

Product: **Ceiling recessed luminaires**

Trade Mark:  **ZUMTOBEL**

Series/Type: **PANOS INF**

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>	P-INF ..., see typelist on pages 6 to 10.
* <i>Prüfbericht Test Report</i>	TR 22159-0010-03 ECS
* <i>Nationale Bestimmung(en) National Standard(s)</i>	OVE EN IEC 60598-1:2022-04-01 OVE EN IEC 60598-1/A11:2023-02-01 ÖVE/ÖNORM EN 60598-2-2:2012-11-01
* <i>Europanorm(en) European Standard(s)</i>	EN IEC 60598-1:2021 EN IEC 60598-1:2021/A11:2022 EN 60598-2-2:2012
* <i>Ersatz für Zertifikat Superseded licence</i>	22159-009 Rev. 02 dated 2021 02 19 Items modified are marked with an asterisk (*)
* <i>Anmerkung(en) Remark(s)</i>	--

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<i>Nennspannung</i> <i>Rated voltage</i>	220-240 V; 0/50/60 Hz
<i>Anzahl und Leistung der Lampen</i> <i>Rated wattage and number of lamps</i>	1x LED module 9/15/19 W (see typelist)
<i>Lampentyp(en)</i> <i>Lamp identification</i>	LED modules (ILCOS: DS-...-L)
<i>Schutzgrad</i> <i>Degree of protection</i>	IP20/IP44
<i>Netzanschluss</i> <i>Supply connection</i>	Screwless terminals
<i>Befestigungsfläche</i> <i>Supporting surface</i>	Normally flammable surface. Luminaires 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 are made of aluminium and thermoplastic material.
<i>Zusatzinformation</i> <i>Additional information</i>	Classified within limits of risk group 1 (low risk) according to EN 62471:2008.

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<i>Bauteil Component</i>	<i>Code Code</i>	<i>Hersteller Manufacturer</i>	<i>Typenbezeichnung Type Reference</i>	<i>Konformitätszeichen Mark(s) of conformity</i>
<i>LED control gear</i>	B	Tridonic	LCA 17W 250–700mA one4all SR PRE	ENEC 11
	B	Tridonic	LCA 25 W 350–1050 mA one4all SR PRE	ENEC 11
*	B	Tridonic	LC 17/250-700/50 bDW SC PRE2	ENEC 11
*	B	Tridonic	LC 25/350-1050/50 bDW SC PRE2	ENEC 11
* <i>LED module</i>	A*	CREE	LMB050SB-1350-....-...U..H LMB050SB-2200-....-...U..H LMB050SB-3000-....-...U..H	CB_SE-96764, CB_NL-48307
<i>LED-holder</i>	B	BJB	47.357 DC 150V; 3A; 110°C	VDE
<i>Connector</i>	B	Tyco Electronics	NECTOR S AC 250V; 2,5A	VDE
	B	Phoenix Contact	PTSM 0,5 160V; 6A; 0,5mm²; max.100°C	VDE
* <i>Wiring</i>	A	Salcavi SpA	H03Z1Z1H2-F 2x0,75mm²	IMQ / HAR
	C	Salcavi SpA	(A)03ZZH2-F 2x0,75mm² 90°C	Checked within appliance
*	A	New Square	H03Z1Z1H2-F 2x0,5mm²	HAR
	C	MEDIKabel	Li12YZ 2 x 0,5qmm 300V; 2x0,5mm²; 90°C	Checked within appliance
<i>Sleeve (for MEDIKabel only)</i>	C	Kremer	Polytex UL-1441-A 4mm; 155°C; 600V	Checked within appliance
<i>Reflector</i>	C	Sabic	PC Lexan 123R	Checked within appliance
<i>Frames (for Q- versions</i>	C	Sabic	PC Lexan 123R	Checked within appliance
<i>Housing holder (for WW-types)</i>	C	Sabic	PC Lexan 123R	Checked within appliance
<i>Mounting ring</i>	C	Geba	PC, Gelalon 20% GF	Checked within appliance
<i>Mixing chamber</i>	C	Sabic	LEXAN Resin PC BFL4000U	Checked within appliance
* <i>Mixing chamber cover disc</i>	C	Albis	ALCOM PC 740/4 UV	Checked within appliance
*	C	Sabic	ML3729 CL	Checked within appliance

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<i>Bauteil</i> <i>Component</i>	<i>Code</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>
* Diffusor foil	C	Henkel/ Brightview	C-HE55 PE07-SD02	Checked within appliance
A The component is replaceable with another one, also certified, with equivalent characteristics. A* The component is replaceable with another one according to ETF5-OSM-LUM/DSH 2057. B The component is replaceable if authorised by the test house. C Integrated component tested together with the appliance. D Alternative component.				

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	Type	Type description	Rated power [W]	LED-module
	E14749	P-INF R100L 1000-927 LDO yy zz	9	LMB050SB-1350-....U27H
	E14750	P-INF R100L 1000-930 LDO yy zz	9	LMB050SB-1350-....U30H
	E14751	P-INF R100L 1000-940 LDO yy zz	9	LMB050SB-1350-....U40H
	E14752	P-INF R100H 1000-927 LDO yy zz	9	LMB050SB-1350-....U27H
	E14753	P-INF R100H 1000-930 LDO yy zz	9	LMB050SB-1350-....U30H
	E14754	P-INF R100H 1000-940 LDO yy zz	9	LMB050SB-1350-....U40H
	E14755	P-INF R100L 1300-927 LDO yy zz	15	LMB050SB-2200-....U27H
	E14756	P-INF R100L 1300-930 LDO yy zz	15	LMB050SB-2200-....U30H
	E14757	P-INF R100L 1300-940 LDO yy zz	15	LMB050SB-2200-....U40H
	E14758	P-INF R100H 1300-927 LDO yy zz	15	LMB050SB-2200-....U27H
	E14759	P-INF R100H 1300-930 LDO yy zz	15	LMB050SB-2200-....U30H
	E14760	P-INF R100H 1300-940 LDO yy zz	15	LMB050SB-2200-....U40H
	E14761	P-INF Q100L 1000-927 LDO yy zz	9	LMB050SB-1350-....U27H
	E14762	P-INF Q100L 1000-930 LDO yy zz	9	LMB050SB-1350-....U30H
	E14763	P-INF Q100L 1000-940 LDO yy zz	9	LMB050SB-1350-....U40H
	E14764	P-INF Q100H 1000-927 LDO yy zz	9	LMB050SB-1350-....U27H
	E14765	P-INF Q100H 1000-930 LDO yy zz	9	LMB050SB-1350-....U30H
	E14766	P-INF Q100H 1000-940 LDO yy zz	9	LMB050SB-1350-....U40H
	E14767	P-INF Q100L 1600-927 LDO yy zz	15	LMB050SB-2200-....U27H
	E14768	P-INF Q100L 1600-930 LDO yy zz	15	LMB050SB-2200-....U30H
	E14769	P-INF Q100L 1600-940 LDO yy zz	15	LMB050SB-2200-....U40H
	E14770	P-INF Q100H 1600-927 LDO yy zz	15	LMB050SB-2200-....U27H
	E14771	P-INF Q100H 1600-930 LDO yy zz	15	LMB050SB-2200-....U30H
	E14772	P-INF Q100H 1600-940 LDO yy zz	15	LMB050SB-2200-....U40H
	E14773	P-INF R150WW 750-9cc LDO yy zz	9	LMB050SB-1350-....U27H LMB050SB-1350-....U30H LMB050SB-1350-....U40H
	E14774	P-INF R150WW 1300-9cc LDO yy zz	15	LMB050SB-2200-....U27H LMB050SB-2200-....U30H LMB050SB-2200-....U40H
	E14775	P-INF R100WW 1000-927 LDO yy zz	9	LMB050SB-1350-....U27H
	E14776	P-INF R100WW 1000-930 LDO yy zz	9	LMB050SB-1350-....U30H
	E14777	P-INF R100WW 1000-940 LDO yy zz	9	LMB050SB-1350-....U40H
	E14778	P-INF R100WW 1300-927 LDO yy zz	15	LMB050SB-2200-....U27H
	E14779	P-INF R100WW 1300-930 LDO yy zz	15	LMB050SB-2200-....U30H
	E14780	P-INF R100WW 1300-940 LDO yy zz	15	LMB050SB-2200-....U40H
	E14781	P-INF Q100WW 1000-927 LDO yy zz	9	LMB050SB-1350-....U27H
	E14782	P-INF Q100WW 1000-930 LDO yy zz	9	LMB050SB-1350-....U30H
	E14783	P-INF Q100WW 1000-940 LDO yy zz	9	LMB050SB-1350-....U40H
	E14784	P-INF Q100WW 1300-927 LDO yy zz	15	LMB050SB-2200-....U27H
	E14785	P-INF Q100WW 1300-930 LDO yy zz	15	LMB050SB-2200-....U30H

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	Type	Type description	Rated power [W]	LED-module
	E14786	P-INF Q100WW 1300-940 LDO yy zz	15	LMB050SB-2200-....U40H
*	E14787	P-INF R150H 1000-9cc LDO yyy zz	9	LMB050SB-1350-....U27H LMB050SB-1350-....U30H LMB050SB-1350-....U40H
*	E14788	P-INF R150L 1000-9cc LDO yyy zz	9	LMB050SB-1350-....U27H LMB050SB-1350-....U30H LMB050SB-1350-....U40H
*	E14789	P-INF R150H 1800-9cc LDO yyy zz	15	LMB050SB-2200-....U27H LMB050SB-2200-....U30H LMB050SB-2200-....U40H
*	E14790	P-INF R150L 1800-9cc LDO yyy zz	15	LMB050SB-2200-....U27H LMB050SB-2200-....U30H LMB050SB-2200-....U40H
*	E14791	P-INF R200H 1800-9cc LDO yyy zz	15	LMB050SB-2200-....U27H LMB050SB-2200-....U30H LMB050SB-2200-....U40H
*	E14792	P-INF R200L 1800-9cc LDO yyy zz	15	LMB050SB-2200-....U27H LMB050SB-2200-....U30H LMB050SB-2200-....U40H
*	E14793	P-INF R200H 2500-9cc LDO yyy zz	19	LMB050SB-3000-....U27H LMB050SB-3000-....U30H LMB050SB-3000-....U40H
*	E14794	P-INF R200L 2500-9cc LDO yyy zz	19	LMB050SB-3000-....U27H LMB050SB-3000-....U30H LMB050SB-3000-....U40H
*	E14795	P-INF R200WW 1000-9cc LDO yy zz	9	LMB050SB-1350-....U27H LMB050SB-1350-....U30H LMB050SB-1350-....U40H
*	E14796	P-INF R200WW 1800-9cc LDO yy zz	15	LMB050SB-2200-....U27H LMB050SB-2200-....U30H LMB050SB-2200-....U40H
*	E14797	P-INF Q140H 1000-9cc LDO yyy zz	9	LMB050SB-1350-....U27H LMB050SB-1350-....U30H LMB050SB-1350-....U40H
*	E14798	P-INF Q140L 1000-9cc LDO yyy zz	9	LMB050SB-1350-....U27H LMB050SB-1350-....U30H LMB050SB-1350-....U40H
*	E14799	P-INF Q140H 1800-9cc LDO yyy zz	15	LMB050SB-2200-....U27H LMB050SB-2200-....U30H LMB050SB-2200-....U40H
*	E14800	P-INF Q190H 1800-9cc LDO yyy zz	15	LMB050SB-2200-....U27H LMB050SB-2200-....U30H LMB050SB-2200-....U40H

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	Type	Type description	Rated power [W]	LED-module
*	E14801	P-INF Q190H 1800-9cc LDO yyz zz	15	LMB050SB-2200-....U27H LMB050SB-2200-....U30H LMB050SB-2200-....U40H
*	E14802	P-INF Q190L 1800-9cc LDO yyz zz	15	LMB050SB-2200-....U27H LMB050SB-2200-....U30H LMB050SB-2200-....U40H
*	E14803	P-INF Q190H 2500-9cc LDO yyz zz	19	LMB050SB-3000-....U27H LMB050SB-3000-....U30H LMB050SB-3000-....U40H
*	E14804	P-INF Q190L 2500-9cc LDO yyz zz	19	LMB050SB-3000-....U27H LMB050SB-3000-....U30H LMB050SB-3000-....U40H
*	E14955	P-INF R100L 1000-9cc BC yy zz	9	LMB050SB-1350-....U27H LMB050SB-1350-....U30H LMB050SB-1350-....U40H
*	E14956	P-INF R100H 1000-9cc BC yy zz	9	LMB050SB-1350-....U27H LMB050SB-1350-....U30H LMB050SB-1350-....U40H
*	E14957	P-INF R100L 1600-9cc BC yy zz	15	LMB050SB-2200-....U27H LMB050SB-2200-....U30H LMB050SB-2200-....U40H
*	E14958	P-INF R100H 1600-9cc BC yy zz	15	LMB050SB-2200-....U27H LMB050SB-2200-....U30H LMB050SB-2200-....U40H
*	E14959	P-INF Q100L 1000-9cc BC yy zz	9	LMB050SB-1350-....U27H LMB050SB-1350-....U30H LMB050SB-1350-....U40H
*	E14960	P-INF Q100H 1000-9cc BC yy zz	9	LMB050SB-1350-....U27H LMB050SB-1350-....U30H LMB050SB-1350-....U40H
*	E14961	P-INF Q100L 1600-9cc BC yy zz	15	LMB050SB-2200-....U27H LMB050SB-2200-....U30H LMB050SB-2200-....U40H
*	E14962	P-INF Q100H 1600-9cc BC yy zz	15	LMB050SB-2200-....U27H LMB050SB-2200-....U30H LMB050SB-2200-....U40H
*	E14963	P-INF R100WW 1000-9cc BC yy zz	9	LMB050SB-1350-....U27H LMB050SB-1350-....U30H LMB050SB-1350-....U40H
*	E14964	P-INF R100WW 1300-9cc BC yy zz	15	LMB050SB-2200-....U27H LMB050SB-2200-....U30H LMB050SB-2200-....U40H
*	E14965	P-INF Q100WW 1000-9cc BC yy zz	9	LMB050SB-1350-....U27H LMB050SB-1350-....U30H LMB050SB-1350-....U40H

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	Type	Type description	Rated power [W]	LED-module
*	E14966	P-INF Q100WW 1300-9cc BC yy zz	15	LMB050SB-2200-....U27H LMB050SB-2200-....U30H LMB050SB-2200-....U40H
*	E14967	P-INF R150WW 750-9cc BC yy zz	9	LMB050SB-1350-....U27H LMB050SB-1350-....U30H LMB050SB-1350-....U40H
*	E14968	P-INF R150WW 1300-9cc BC yy zz	15	LMB050SB-2200-....U27H LMB050SB-2200-....U30H LMB050SB-2200-....U40H
*	E14969	P-INF R150L 1000-9cc BC yy zz	9	LMB050SB-1350-....U27H LMB050SB-1350-....U30H LMB050SB-1350-....U40H
*	E14970	P-INF R150H 1000-9cc BC yy zz	9	LMB050SB-1350-....U27H LMB050SB-1350-....U30H LMB050SB-1350-....U40H
*	E14971	P-INF R150L 1800-9cc BC yy zz	15	LMB050SB-2200-....U27H LMB050SB-2200-....U30H LMB050SB-2200-....U40H
*	E14972	P-INF R150H 1800-9cc BC yy zz	15	LMB050SB-2200-....U27H LMB050SB-2200-....U30H LMB050SB-2200-....U40H
*	E14973	P-INF R200L 1800-9cc BC yy zz	15	LMB050SB-2200-....U27H LMB050SB-2200-....U30H LMB050SB-2200-....U40H
*	E14974	P-INF R200H 1800-9cc BC yy zz	15	LMB050SB-2200-....U27H LMB050SB-2200-....U30H LMB050SB-2200-....U40H
*	E14975	P-INF R200L 2500-9cc BC yy zz	19	LMB050SB-3000-....U27H LMB050SB-3000-....U30H LMB050SB-3000-....U40H
*	E14976	P-INF R200H 2500-9cc BC yy zz	19	LMB050SB-3000-....U27H LMB050SB-3000-....U30H LMB050SB-3000-....U40H
*	E14977	P-INF R200WW 1000-9cc BC yy zz	9	LMB050SB-1350-....U27H LMB050SB-1350-....U30H LMB050SB-1350-....U40H
*	E14978	P-INF R200WW 1800-9cc BC yy zz	15	LMB050SB-2200-....U27H LMB050SB-2200-....U30H LMB050SB-2200-....U40H
*	E14979	P-INF Q140L 1000-9cc BC yy zz	9	LMB050SB-1350-....U27H LMB050SB-1350-....U30H LMB050SB-1350-....U40H
*	E14980	P-INF Q140H 1000-9cc BC yy zz	9	LMB050SB-1350-....U27H LMB050SB-1350-....U30H LMB050SB-1350-....U40H

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	Type	Type description	Rated power [W]	LED-module
*	E14981	P-INF Q140L 1800-9cc BC yy zz	15	LMB050SB-2200-....U27H LMB050SB-2200-....U30H LMB050SB-2200-....U40H
*	E14982	P-INF Q140H 1800-9cc BC yy zz	15	LMB050SB-2200-....U27H LMB050SB-2200-....U30H LMB050SB-2200-....U40H
*	E14983	P-INF Q190L 1800-9cc BC yy zz	15	LMB050SB-2200-....U27H LMB050SB-2200-....U30H LMB050SB-2200-....U40H
*	E14984	P-INF Q190H 1800-9cc BC yy zz	15	LMB050SB-2200-....U27H LMB050SB-2200-....U30H LMB050SB-2200-....U40H
*	E14985	P-INF Q190L 2500-9cc BC yy zz	19	LMB050SB-3000-....U27H LMB050SB-3000-....U30H LMB050SB-3000-....U40H
*	E14986	P-INF Q190H 2500-9cc BC yy zz	19	LMB050SB-3000-....U27H LMB050SB-3000-....U30H LMB050SB-3000-....U40H

ccCCT: 27 = 2700K, 30 = 3000K, 40 = 4000K

yyReflector: AL, SM, BK, GD, WH

yyy.....Reflector: FAL

zzCover ring: WH = white, TL = without (trimless)

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Typecode:

P-INF

Cover ring

WH.....with cover ring (white)

TLwithout cover ring (trimless)

Reflector

FALfacetted, aluminium-sputtered

ALaluminum-sputtered

BK.....black

SMmatt aluminium

GDmatt gold colour

WH.....coated white

Type of controlgear / dimmable

LDOLuxmate DALI only

BC.....Bluetooth

Luminous colour

927.....2700 K, CRI > 90

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

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

Nominal luminous output

Mounting depth / light distribution

Hhigh

L.....flat design

WW Wallwasher

Dimensions / ceiling cut-out

100, 140, 150, 190 or 200mm

Shape

Rround

Q.....square

Luminaire series

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