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OVE Testing and Certification
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ENEC Certification Body registered under ID # 11.

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LICENCE

to use the European Mark



Licence No.: **251-198**

Date of issue: Wien, 2018 10 25
Rev. No.: 01 Wien, 2020 11 26

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**
Schweizer Str. 30
6850 Dornbirn
Austria

Product: **Fixed general purpose luminaires**

Trade Mark:  **ZUMTOBEL**

Series/Type: **Amphibia**

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 Testing and Certification

Digitally signed by W. Martin
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Dipl.-Ing. W. Martin



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<i>Hersteller Manufacturer</i>	Zumtobel Lighting GmbH Schweizer Str. 30 6850 Dornbirn Austria
<i>Fertigungsstätte(n) Factory location(s)</i>	Zumtobel Lighting GmbH Schweizer Str. 30 6850 Dornbirn Austria
* <i>Typenbezeichnung Type reference</i>	Series AMP... TEC, Series AMP R..., see page 5 and 6
* <i>Prüfbericht Test Report</i>	TR-251-0118-01 ECS, TR-251-0118-03 ECS
* <i>Nationale Bestimmung(en) National Standard(s)</i>	OVE EN 60598-1:2018-11-01 ÖVE-LI/EN 60598-2-1:1989 ÖVE/ÖNORM EN 60598-2-22:2015-07-01
* <i>Europanorm(en) European Standard(s)</i>	EN 60598-1:2015 + A1:2018 EN 60598-2-1:1989 EN 60598-2-22:2014
* <i>Ersatz für Zertifikat Superseded licence</i>	251-198 dated 2018 10 25 Items modified are marked with an asterisk (*)
* <i>Anmerkung(en) Remark(s)</i>	Classification Z 1 for centrally supplied maintained emergency luminaire according EN 60598-2-22 optional. CTF Stage 2

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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>	AMP S... TEC: 2x LEM S56..., AMP L... TEC: 3x LEM S56..., AMP RS...: 4x LEM S32..., AMP RL...: 2x LEM S32... + 4x LEM S56
<i>Lampentyp(en)</i> <i>Lamp identification</i>	LED modules (ILCOS: DSL)
* <i>Schutzgrad</i> <i>Degree of protection</i>	IP65 for series AMP R..., IP20 for series AMP... TEC
<i>Netzanschluss</i> <i>Supply connection</i>	Screwless terminals
<i>Befestigungsfläche</i> <i>Supporting surface</i>	Normally flammable surface
<i>Schutzklasse</i> <i>Class of protection</i>	Cl. I
* <i>Beschreibung des Aufbaus</i> <i>Description of construction</i>	Fixed general purpose luminaires for wall and ceiling mounting. The luminaires have a special drip-edge-effect. Four different optics: Asymetric Beam, Nerrow Beam, Middle Beam or Wide Beam. The LED modules and the ECG are fixed on the light engine with screws.
<i>Zusatzinformation</i> <i>Additional information</i>	Light source classified as RG1 according to EN 62471:2008.

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<i>Bauteil</i> <i>Component</i>	<i>Code</i>	<i>Hersteller</i> <i>Code Manufacturer</i>	<i>Typenbezeichnung</i> <i>Type Reference</i>	<i>Konformitätszeichen</i> <i>Mark(s) of conformity</i>
LED module	A*	Zumtobel	LEM S56...	ÖVE
	A*	Zumtobel	LEM S32...	ÖVE
LED control gear	B	Tridonic	LCA 50W...	ENEC 11
	B	Tridonic	LCA 75W...	ENEC 11
	B	Tridonic	LC 50W...	ENEC 11
	B	Tridonic	LC 75W...	ENEC 11
	B	Tridonic	LC 100W...	ENEC 11
	B	Tridonic	LCAI 35W...	ENEC 11
	B	Tridonic	LCAI 65W...	ENEC 11
	B	Tridonic	LCAI 100W...	ENEC 11
	B	Tridonic	LCI 100W...	ENEC 11
	B	Philips	Xitanium 36W...	ENEC 05
	B	Philips	Xitanium 60W...	ENEC 05
	B	Philips	Xitanium 75W...	ENEC 05
	B	Osram	OTi ... 35...	VDE
	B	Osram	OTi ... 60...	VDE
	B	Osram	OTi ... 75...	VDE
	B	Osram	OTi ... 90...	VDE
Sensor	A	Tridonic	smartSWITCH HF...; 220-240V; 50Hz; Tc 70°C	ENEC 05
* Terminals	A	Electro Terminal	SLK 3; 450V; 0,5-2,5 mm ² ; T110	ENEC 11
*	A	Electro Terminal	SLK5; 450V; 0,5-2,5 mm ² ; T85	ENEC 11
Adaptor	A	Zumtobel	4574455; 250V; 6A; T115	ENEC 14
Connector	A	Stucchi	3701, 3702; 400V; 16A; T110	IMQ
Wiring	A	Leoni	Ecosense S05G-U; 300/500 V; 0,5 mm ² ; 110°C	BBJ
	A	Leoni	Ecosense S07G-U; 450/750 V; 1,5/2,5 mm ² ; 110°C	BBJ
	A	HEIRU	H03VV...; 300/300 V; 0,75 mm ² ; 60°C	ÖVE
* Enclosure	C	Zumtobel	GPL MPP-Z...; PMMA, PC, CHEMO	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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Typecode:

AMP -

Through wiring

None

Quick connect

TEC.....Tecton connection

Emergency

None

Sensor

MWSMicro wave sensor

MWCF Micro wave sensor
corridor function

MWRFMicro wave sensor

Radio Frequency (Master)

RFRadio frequency (Slave)

None

Type of ballast

EVGnot dimmable

LDO.....only DALI dimmable

IVG.....Industry

N4MNet for more

Light distribution

ABAsymmetric Beam

MB.....Middle beam

NBNarrow beam

WB Wide beam

Material of housing

PCPolycarbonate

PMPolymethylmethacrylat

CH Chemo

Luminous colour

830, 840, 865

Lumen output

2900 - 10000

Application

BAS.....Polycarbonate

LT.....low temperature

None

Dimension

S Small

LLarge

Luminaire series

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AMP R. -

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graph BT
    A[Luminaire series] --> B[Dimension]
    A --> C[Lumen output]
    A --> D[Luminous colour]
    A --> E[Type of ballast]
    A --> F[Closure]
    B --> B1[S.....Round S]
    B --> B2[L.....Round L]
    C --> C1[3000 - 5600]
    D --> D1[830, 840]
    E --> E1[LDO.....only DALI dimmable]
    F --> F1[KST.....Plastic Clips]
    F --> F2[V2A.....Metall Clips]
  
```

Luminaire series

Dimension
 SRound S
 LRound L

Lumen output
 3000 - 5600

Luminous colour
 830, 840

Type of ballast
 LDO.....only DALI dimmable

Closure
 KSTPlastic Clips
 V2AMetall Clips

Accessories: ABH TRIANGEL 10 SET
ABH TRIANGEL 50 SET
FTS 2000 Set
FTS 500 Set
HLD TW AMP
MOUNTING SET AMPHIBIA
PRIMARY OPTIC AMPHIBIA L NB
PRIMARY OPTIC AMPHIBIA L WB-AB-MB
PRIMARY OPTIC AMPHIBIA S WB-AB-MB
TROMPETENNIPPEL GY VERP SET (50 STK)
VERSCHR M20x1,5 compl
DIFFUSER AMPHIBIA L CH MB-NB
DIFFUSER AMPHIBIA L CH WB-AB
DIFFUSER AMPHIBIA L PC MB-NB
DIFFUSER AMPHIBIA L PC WB-AB
DIFFUSER AMPHIBIA L PM MB-NB
DIFFUSER AMPHIBIA L PM WB-AB
DIFFUSER AMPHIBIA S CH MB-NB
DIFFUSER AMPHIBIA S CH WB-AB
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DIFFUSER AMPHIBIA S PC WB-AB
DIFFUSER AMPHIBIA S PM MB
DIFFUSER AMPHIBIA S PM WB

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