

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.: **251-207**

Date of issue: Wien, 2020 03 20
Rev. No.: 01 Wien, 2024 05 21

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**
Schweizer Str. 30
6850 Dornbirn
Austria

Product: **Escape sign emergency luminaire with limited surface temperature**

Trade Mark:  **ZUMTOBEL**

Series/Type: **ECOSIGN 160 P...**

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

T. Neumayer

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 Schweizer Str. 30 6850 Dornbirn Austria
<i>Fertigungsstätte(n) Factory location(s)</i>	ZG Lighting SRB doo Ulica Cumtobel br. 1 18000 Nis Serbia Zumtobel Lighting GmbH Schweizer Str. 30 6850 Dornbirn Austria
<i>Typenbezeichnung Type reference</i>	Series ECOSIGN 160 P..., see page 5
<i>* Prüfbericht Test Report</i>	TR-251-0181-01 ECS, TR-251-0181-02 ECS, TR-251-0181-03 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 OVE EN IEC 60598-2-22:2023-08-01 ÖVE/ÖNORM EN 60598-2-24:2014-05-01
<i>* Europannorm(en) European Standard(s)</i>	EN IEC 60598-1:2021 EN IEC 60598-1:2021/A11:2022 EN IEC 60598-2-22:2022 EN 60598-2-24:2013
<i>* Ersatz für Zertifikat Superseded licence</i>	251-207 dated 2020 03 20 Items modified are marked with an asterisk (*)
<i>* Anmerkung(en) Remark(s)</i>	--

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<i>Nennspannung</i> <i>Rated voltage</i>	For centrally supplied types: 220-240 V, 0/50/60 Hz, For battery supplied types: 220-240 V, 50/60 Hz
<i>Anzahl und Leistung der Lampen</i> <i>Rated wattage and number of lamps</i>	1x LEM S24...
* <i>Lampentyp(en)</i> <i>Lamp identification</i>	LED modules
<i>Schutzgrad</i> <i>Degree of protection</i>	IP65
<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>	Escape sign emergency luminaire with limited surface temperature for fixed installation with housing made polycarbonate and exit sign cover. The escape sign is digitally printed.
* <i>Zusatzinformation</i> <i>Additional information</i>	Light source classified as RG1(low risk).

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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>
<i>LED module</i>	A*	Zumtobel	LEM S24...	ÖVE
<i>LED control gear</i>	B	Tridonic	EM powerLED NTx 102 DIM 5W ZUM	ENEC 12
	B	Tridonic	EM powerLED NSI 100 DIM 5W ZUM	ENEC 12
	B	Tridonic	EM powerLED NDA 100 DIM 5W ZUM	ENEC 12
	B	Tridonic	EM powerLED NPS 100 DIM 5W ZUM	ENEC 12
* <i>Battery</i>	A	GP	GP220SCHT; 1,2 V; 2200mAh; T=50°C	CB (DK-87294-UL)
*	A	GP	400LALHT; 1,2 V; 4000mAh; T=50°C	CB (DK-98228-UL)
* <i>Terminal</i>	A	Electro Terminal	SLK 3; 450V; 24A; 0,5-2,5 mm²; T110	ENEC 11
	A	Electro Terminal	SLK 5; 450V; 24A; 0,5-2,5 mm²; T85	ENEC 11
* <i>Wiring</i>	A	Leoni	Ecosense LI2X-U; 300/500 V; 0,5-1 mm²; 110°C	BBJ
	C	Huber + Suhner	RADOX/ UL 3266 / CSA AWM I A/B; 300 V; 0,38 mm² (AWG22), 125°C	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.

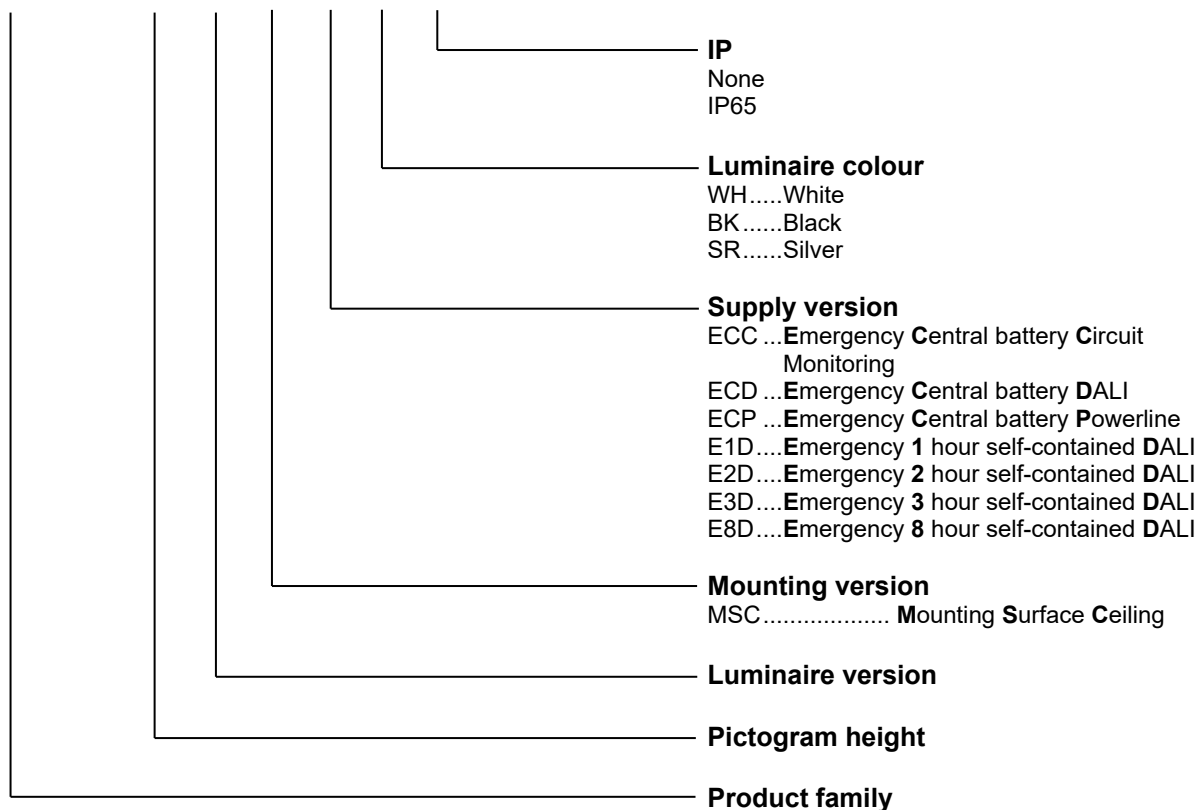
D Alternative component.

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Typecode:

ECOSIGN 160 P



Accessories:

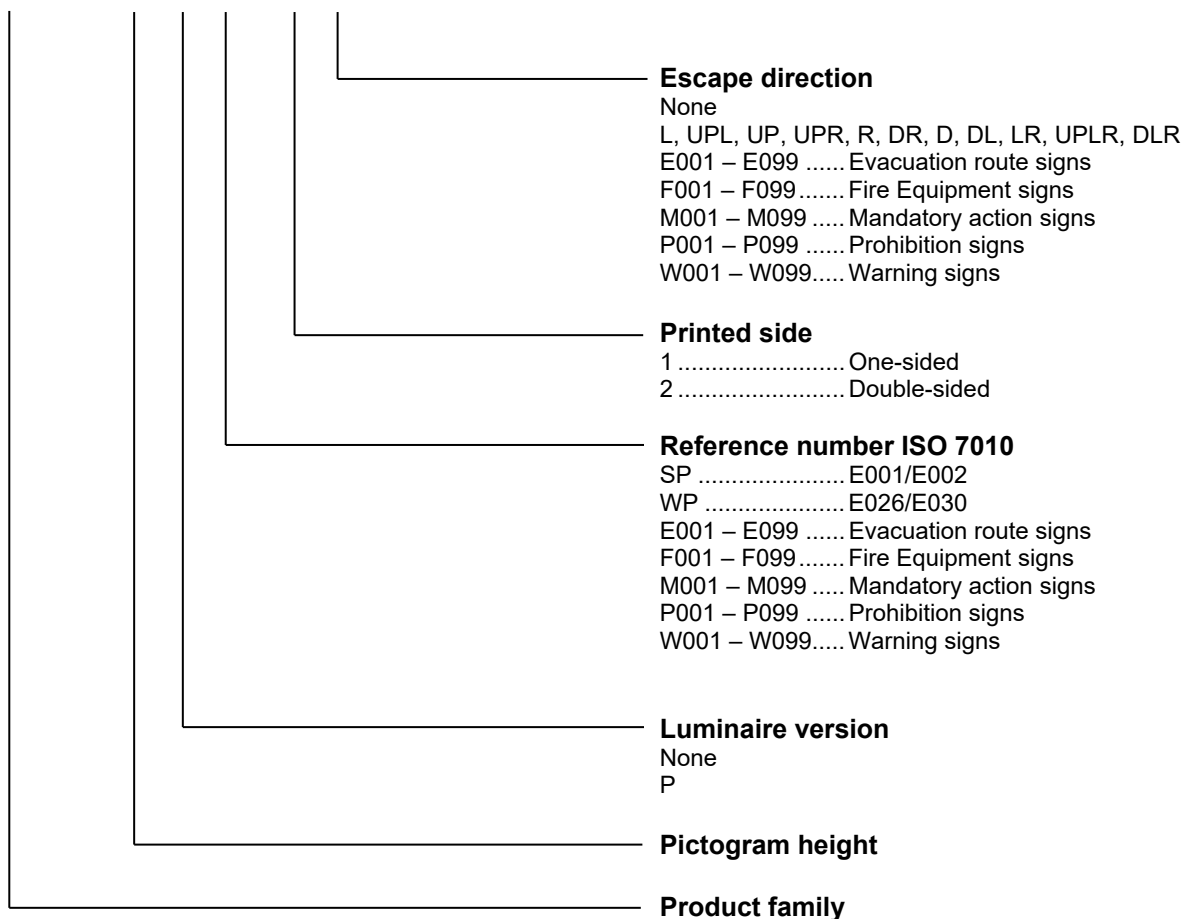
SAFETYSIGNS P BP Grid
ECOSIGN 160 P MSC-CORD15 suspension
ECOSIGN 160 P MSC-R05 suspension
ECOSIGN 160 P transparent cover
ECOSIGN 160 P MS90° bracket
ECOSIGN 160 P MSW bracket

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Typecode Pictogram:

ECOSIGN 160 -



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