

OVE Austrian Electrotechnical Association
Eschenbachgasse 9 | 1010 Wien | Austria
ZVR: 327279890 | www.ove.at



OVE Testing and Certification
Kahlenberger Str. 2A | 1190 Wien | Austria
T +43 1 370 58 06 | certification@ove.at

ENEC Certification Body registered under ID # 11.

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LICENCE

to use the European Mark



Licence No.: **7590-175**

Date of issue: Wien, 2016 02 18
Rev. No.: 04 Wien, 2020 08 19

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: **Tridonic GmbH & Co KG**
Färbergasse 15
6851 Dornbirn
Austria

Product: **LED modules for general lighting**

Trade Mark: **TRIDONIC**

Series/Type: **LLE FLEX...**

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
Email=w.martin@ove.at
Dipl.-Ing. W. Martin



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<i>Hersteller Manufacturer</i>	Tridonic Jennersdorf GmbH Technologiepark 10 8380 Jennersdorf Austria
* <i>Fertigungsstätte(n) Factory location(s)</i>	ID: 88535 ID: 73888 ID: 7590
* <i>Typenbezeichnung Type reference</i>	Series LLE FLEX G1 ... EXC, Series LLE FLEX 8x... EXC2, Series LLE FLEX 12x... EXC2, Series LLE FLEX 8x... ADV3, Series LLE FLEX 12x... ADV3, see page 4
* <i>Prüfbericht Test Report</i>	TGM-VA EE 35497b ECS, MA 39 - VFA 2015-1479.01, TGM-VA EE 35497g ECS, TGM-VA EE 35497h ECS, TGM-VA EE 35497i ECS, TGM-VA EE 35497j ECS
<i>Nationale Bestimmung(en) National Standard(s)</i>	ÖVE/ÖNORM EN 62031:2015-10-01
<i>Europannorm(en) European Standard(s)</i>	EN 62031:2008 + A1:2013 + A2:2015
* <i>Ersatz für Zertifikat Superseded licence</i>	7590-175 Rev. 03 dated 2019 10 28 Items modified are marked with an asterisk (*)
<i>Anmerkung(en) Remark(s)</i>	Tested and found within limits of risk group 1 (low risk). CTF Stage 2

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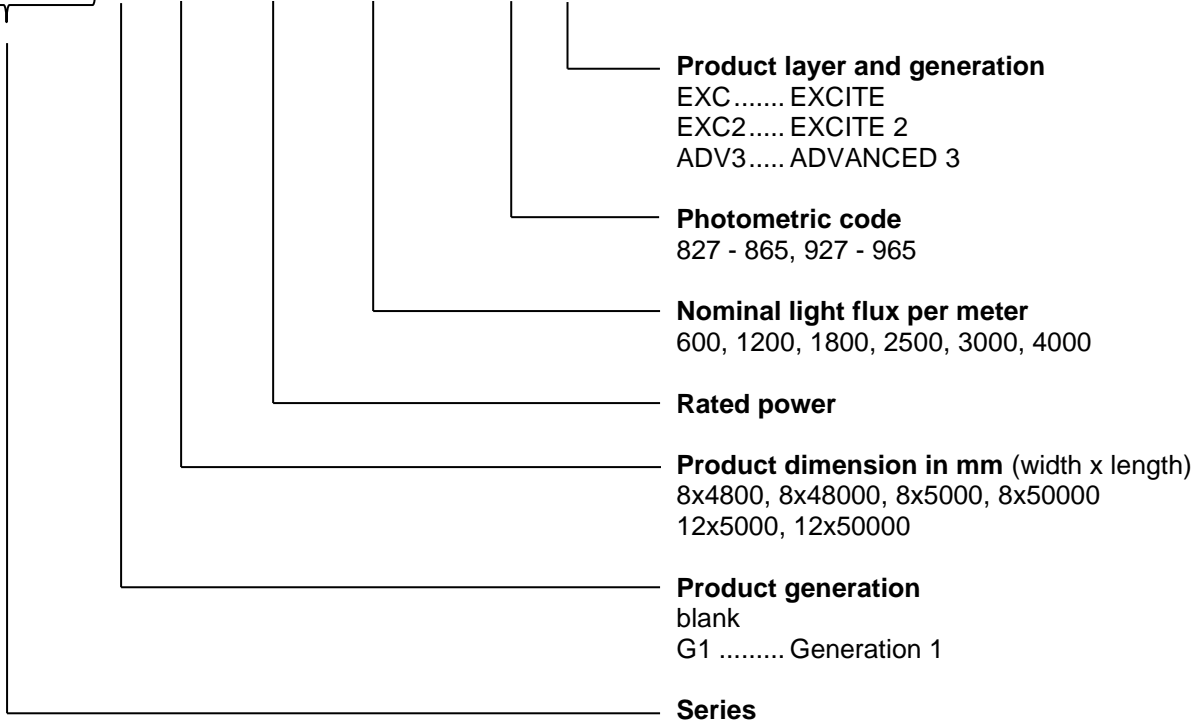
<i>Nennspannung</i> <i>Rated voltage</i>	DC 24 V
* <i>Nennleistung</i> <i>Rated power</i>	see page 5 to 9
<i>Zulässige Arbeitsspannung</i> <i>Working voltage for insulation</i>	26,4 V
<i>Max. Betriebstemperatur tc</i> <i>Rated max. operating temperature tc</i>	75°C
* <i>Umgebungstemperatur ta</i> <i>Rated ambient temperature ta</i>	For series LLE FLEX G1 ... EXC: -35 to +50°C, For series LLE FLEX 8x... EXC2: -20 to +45°C, For series LLE FLEX 12x... EXC2: -25 to +45°C, For series LLE FLEX 8x... ADV3: -35 to +50°C For series LLE FLEX 12x... ADV3: -35 to +50°C
<i>Anschlussart</i> <i>Method of connection</i>	Soldering pads or Connector (separately available, not part of this certification)
<i>Beschreibung des Aufbaus</i> <i>Description of construction</i>	Built-in LED modules, constant voltage type.
* <i>Zusatzinformation</i> <i>Additional information</i>	Series LLE FLEX... EXC and LLE FLEX... EXC2 are separable each 50 mm and series LLE FLEX... ADV3 is seperable each 100 mm with the full function of each segment and has a self-adhesive 3M tape at the backside for mounting on different surfaces.

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Typecode:

LLE FLEXx..... ..W -lm/m



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Typelist:

TRADEMARK / TYPECODE						
TRIDONIC			Supply voltage	Power ¹	No. of LEDs per segment	Rated max. operating temperature tc
	Type Reference		[V]	[W/m]		[°C]
1	LLE FLEX G1 8x4800 6W-600lm/m 927 EXC	Rated	24	6,2	7	75
2	LLE FLEX G1 8x4800 6W-600lm/m 930 EXC	Rated	24	6,2	7	75
3	LLE FLEX G1 8x4800 6W-600lm/m 940 EXC	Rated	24	5,6	7	75
4	LLE FLEX G1 8x4800 6W-600lm/m 965 EXC	Rated	24	5,6	7	75
5	LLE FLEX G1 8x4800 11W-1200lm/m 927 EXC	Rated	24	11,2	7	75
6	LLE FLEX G1 8x4800 11W -1200lm/m 930 EXC	Rated	24	11,2	7	75
7	LLE FLEX G1 8x4800 11W -1200lm/m 940 EXC	Rated	24	10,8	7	75
8	LLE FLEX G1 8x4800 11W -1200lm/m 965 EXC	Rated	24	10,8	7	75
9	LLE FLEX G1 8x4800 18W-1800lm/m 927 EXC	Rated	24	18,0	7	75
10	LLE FLEX G1 8x4800 18W-1800lm/m 930 EXC	Rated	24	18,0	7	75
11	LLE FLEX G1 8x4800 16W-1800lm/m 940 EXC	Rated	24	15,8	7	75
12	LLE FLEX G1 8x4800 16W-1800lm/m 965 EXC	Rated	24	15,8	7	75
13	LLE FLEX G1 8x4800 26W-2500lm/m 927 EXC	Rated	24	26,0	7	75
14	LLE FLEX G1 8x4800 26W-2500lm/m 930 EXC	Rated	24	26,0	7	75
15	LLE FLEX G1 8x4800 23W-2500lm/m 940 EXC	Rated	24	22,6	7	75
16	LLE FLEX G1 8x4800 23W-2500lm/m 965 EXC	Rated	24	22,6	7	75
17	LLE FLEX G1 8x48000 11W-1200lm/m 927 EXC	Rated	24	11,2	7	75
18	LLE FLEX G1 8x48000 11W-1200lm/m 930 EXC	Rated	24	11,2	7	75
19	LLE FLEX G1 8x48000 11W-1200lm/m 940 EXC	Rated	24	10,8	7	75
20	LLE FLEX G1 8x48000 18W-1800lm/m 927 EXC	Rated	24	18,0	7	75
21	LLE FLEX G1 8x48000 18W-1800lm/m 930 EXC	Rated	24	18,0	7	75
22	LLE FLEX G1 8x48000 16W-1800lm/m 940 EXC	Rated	24	15,8	7	75
23	LLE FLEX G1 8x48000 26W-2500lm/m 927 EXC	Rated	24	26,0	7	75
24	LLE FLEX G1 8x48000 26W-2500lm/m 930 EXC	Rated	24	26,0	7	75
25	LLE FLEX G1 8x48000 23W-2500lm/m 940 EXC	Rated	24	22,6	7	75
26	LLE FLEX 8x5000 6W-600lm/m 927 EXC2	Rated	24	5,3	7	75
		Max.	26,4	5,8		
27	LLE FLEX 8x5000 6W-600lm/m 930 EXC2	Rated	24	5,3	7	75
		Max.	26,4	5,8		
28	LLE FLEX 8x5000 6W-600lm/m 940 EXC2	Rated	24	5,3	7	75
		Max.	26,4	5,8		
29	LLE FLEX 8x5000 6W-600lm/m 965 EXC2	Rated	24	5,3	7	75
		Max.	26,4	5,8		

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TRADEMARK / TYPECODE						
TRIDONIC			Supply voltage	Power ⁱ	No. of LEDs per segment	Rated max. operating temperature tc
	Type Reference		[V]	[W/m]		[°C]
30	LLE FLEX 8x5000 11W-1200lm/m 927 EXC2	Rated	24	11	7	75
		Max.	26,4	12,1		
31	LLE FLEX 8x50000 11W-1200lm/m 927 EXC2	Rated	24	11	7	75
		Max.	26,4	12,1		
32	LLE FLEX 8x5000 11W-1200lm/m 930 EXC2	Rated	24	11	7	75
		Max.	26,4	12,1		
33	LLE FLEX 8x50000 11W-1200lm/m 930 EXC2	Rated	24	11	7	75
		Max.	26,4	12,1		
34	LLE FLEX 8x5000 11W-1200lm/m 940 EXC2	Rated	24	11	7	75
		Max.	26,4	12,1		
35	LLE FLEX 8x50000 11W-1200lm/m 940 EXC2	Rated	24	11	7	75
		Max.	26,4	12,1		
36	LLE FLEX 8x5000 11W-1200lm/m 965 EXC2	Rated	24	11	7	75
		Max.	26,4	12,1		
37	LLE FLEX 8x5000 19W-1800lm/m 927 EXC2	Rated	24	19,2	7	75
		Max.	26,4	21,1		
38	LLE FLEX 8x50000 19W-1800lm/m 927 EXC2	Rated	24	19,2	7	75
		Max.	26,4	21,1		
39	LLE FLEX 8x5000 19W-1800lm/m 930 EXC2	Rated	24	19,2	7	75
		Max.	26,4	21,1		
40	LLE FLEX 8x50000 19W-1800lm/m 930 EXC2	Rated	24	19,2	7	75
		Max.	26,4	21,1		
41	LLE FLEX 8x5000 17W-1800lm/m 940 EXC2	Rated	24	16,8	7	75
		Max.	26,4	18,5		
42	LLE FLEX 8x50000 17W-1800lm/m 940 EXC2	Rated	24	16,8	7	75
		Max.	26,4	18,5		
43	LLE FLEX 8x5000 17W-1800lm/m 965 EXC2	Rated	24	16,8	7	75
		Max.	26,4	18,5		
44	LLE FLEX 8x5000 27W-2500lm/m 927 EXC2	Rated	24	26,9	7	75
		Max.	26,4	29,6		
45	LLE FLEX 8x50000 27W-2500lm/m 927 EXC2	Rated	24	26,9	7	75
		Max.	26,4	29,6		
46	LLE FLEX 8x5000 27W-2500lm/m 930 EXC2	Rated	24	26,9	7	75
		Max.	26,4	29,6		

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	Type Reference		[V]	[W/m]		[°C]
47	LLE FLEX 8x50000 27W-2500lm/m 930 EXC2	Rated	24	26,9	7	75
		Max.	26,4	29,6		
48	LLE FLEX 8x5000 23W-2500lm/m 940 EXC2	Rated	24	23	7	75
		Max.	26,4	25,3		
49	LLE FLEX 8x50000 23W-2500lm/m 940 EXC2	Rated	24	23	7	75
		Max.	26,4	25,3		
50	LLE FLEX 8x5000 23W-2500lm/m 965 EXC2	Rated	24	23	7	75
		Max.	26,4	25,3		
51	LLE FLEX 12x5000 35W-3000lm/m 927 EXC2	Rated	24	35	7	75
		Max.	26,4	38,5		
52	LLE FLEX 12x50000 35W-3000lm/m 927 EXC2	Rated	24	35	7	75
		Max.	26,4	38,5		
53	LLE FLEX 12x5000 35W-3000lm/m 930 EXC2	Rated	24	35	7	75
		Max.	26,4	38,5		
54	LLE FLEX 12x50000 35W-3000lm/m 930 EXC2	Rated	24	35	7	75
		Max.	26,4	38,5		
55	LLE FLEX 12x5000 30W-3000lm/m 940 EXC2	Rated	24	30,2	7	75
		Max.	26,4	33,3		
56	LLE FLEX 12x50000 30W-3000lm/m 940 EXC2	Rated	24	30,2	7	75
		Max.	26,4	33,3		
57	LLE FLEX 12x5000 30W-3000lm/m 965 EXC2	Rated	24	30,2	7	75
		Max.	26,4	33,3		
58	LLE FLEX 12x5000 48W-4000lm/m 927 EXC2	Rated	24	47,5	7	75
		Max.	26,4	52,3		
59	LLE FLEX 12x50000 48W-4000lm/m 927 EXC2	Rated	24	47,5	7	75
		Max.	26,4	52,3		
60	LLE FLEX 12x5000 48W-4000lm/m 930 EXC2	Rated	24	47,5	7	75
		Max.	26,4	52,3		
61	LLE FLEX 12x50000 48W-4000lm/m 930 EXC2	Rated	24	47,5	7	75
		Max.	26,4	52,3		
62	LLE FLEX 12x5000 44W-4000lm/m 940 EXC2	Rated	24	43,8	7	75
		Max.	26,4	48,2		
63	LLE FLEX 12x50000 44W-4000lm/m 940 EXC2	Rated	24	43,8	7	75
		Max.	26,4	48,2		

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TRIDONIC			Supply voltage	Power ⁱ	No. of LEDs per segment	Rated max. operating temperature tc
	Type Reference		[V]	[W/m]		[°C]
64	LLE FLEX 12x5000 44W-4000lm/m 965 EXC2	Rated	24	43,8	7	75
		Max.	26,4	48,2		
* 65	LLE FLEX 8x5000 4W-600lm/m .27 ADV3	Rated	24	3,86	7	75
		Max.	26,4	4,89		
* 66	LLE FLEX 8x5000 4W-600lm/m .30 ADV3	Rated	24	3,62	7	75
		Max.	26,4	4,58		
* 67	LLE FLEX 8x5000 4W-600lm/m .40 ADV3	Rated	24	3,50	7	75
		Max.	26,4	4,43		
* 68	LLE FLEX 8x5000 4W-600lm/m .65 ADV3	Rated	24	3,50	7	75
		Max.	26,4	4,43		
* 69	LLE FLEX 8x5000 7W-1200lm/m .27 ADV3	Rated	24	7,85	7	75
		Max.	26,4	9,93		
* 70	LLE FLEX 8x5000 7W-1200lm/m .30 ADV3	Rated	24	7,49	7	75
		Max.	26,4	9,47		
* 71	LLE FLEX 8x5000 7W-1200lm/m .40 ADV3	Rated	24	7,01	7	75
		Max.	26,4	8,87		
* 72	LLE FLEX 8x5000 7W-1200lm/m .65 ADV3	Rated	24	7,01	7	75
		Max.	26,4	8,87		
* 73	LLE FLEX 8x5000 11W-1800lm/m .27 ADV3	Rated	24	12,19	7	75
		Max.	26,4	15,42		
* 74	LLE FLEX 8x5000 11W-1800lm/m .30 ADV3	Rated	24	11,23	7	75
		Max.	26,4	14,21		
* 75	LLE FLEX 8x5000 11W-1800lm/m .40 ADV3	Rated	24	10,75	7	75
		Max.	26,4	13,60		
* 76	LLE FLEX 8x5000 11W-1800lm/m .65 ADV3	Rated	24	10,75	7	75
		Max.	26,4	13,60		
* 77	LLE FLEX 8x5000 16W-2500lm/m .27 ADV3	Rated	24	17,14	7	75
		Max.	26,4	21,68		
* 78	LLE FLEX 8x5000 16W-2500lm/m .30 ADV3	Rated	24	16,30	7	75
		Max.	26,4	20,61		
* 79	LLE FLEX 8x5000 16W-2500lm/m .40 ADV3	Rated	24	15,34	7	75
		Max.	26,4	19,40		
* 80	LLE FLEX 8x5000 16W-2500lm/m .65 ADV3	Rated	24	15,34	7	75
		Max.	26,4	19,40		

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	Type Reference		[V]	[W/m]		[°C]	
*	81	LLE FLEX 12x5000 20W-3000lm/m .27 ADV3	Rated	24	21,22	7	75
			Max.	26,4	26,84		
*	82	LLE FLEX 12x5000 20W-3000lm/m .30 ADV3	Rated	24	21,22	7	75
			Max.	26,4	26,84		
*	83	LLE FLEX 12x5000 20W-3000lm/m .40 ADV3	Rated	24	19,66	7	75
			Max.	26,4	24,86		
*	84	LLE FLEX 12x5000 20W-3000lm/m .65 ADV3	Rated	24	19,66	7	75
			Max.	26,4	24,86		
*	85	LLE FLEX 12x5000 27W-4000lm/m .27 ADV3	Rated	24	28,06	7	75
			Max.	26,4	35,49		
*	86	LLE FLEX 12x5000 27W-4000lm/m .30 ADV3	Rated	24	28,06	7	75
			Max.	26,4	35,49		
*	87	LLE FLEX 12x5000 27W-4000lm/m .40 ADV3	Rated	24	26,38	7	75
			Max.	26,4	33,37		
*	88	LLE FLEX 12x5000 27W-4000lm/m .65 ADV3	Rated	24	26,38	7	75
			Max.	26,4	33,37		

ⁱ Rated values at tp = 65°C

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