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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.: **80585-039**

Date of issue: Wien, 2026 04 30

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: **ZG Lighting France**
Route de Paix
27705 Les Andelys
France

Product: **Luminaire for road and street lighting**

Trade Mark: **THORN**

Series/Type: **Series AVENUE CL1**

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>	Thorn Lighting Ltd Durhamgate, Spennymoor, County Durham DL16 6HL United Kingdom
<i>Fertigungsstätte(n) Factory location(s)</i>	Thorn Lighting Ltd Durhamgate, Spennymoor, County Durham DL16 6HL United Kingdom
<i>Typenbezeichnung Type reference</i>	AV 12L.. ... CL1 ..., AV 18L.. ... CL1 ..., AV 24L.. ... CL1 ..., AV 36L.. ... CL1 ..., see type code on page 6.
<i>Prüfbericht Test Report</i>	TR 80585-0057-01 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 60598-2-3:2012-01-01
<i>Europannorm(en) European Standard(s)</i>	EN IEC 60598-1:2021 EN IEC 60598-1:2021/A11:2022 EN 60598-2-3:2003 + A1:2011
<i>Ersatz für Zertifikat Superseded licence</i>	--
<i>Anmerkung(en) Remark(s)</i>	--

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Bemessungsversorgungsspannung
Rated supply voltage

AC 230-240 V; 50/60 Hz

Anzahl und Leistung der Lampen
Rated wattage and number of lamps

see type list on page 7.

Lampentyp(en)
Lamp identification

**LED modules LEM R12 (12 LEDs), LEM H18 (18 LEDs),
LEM R36 (36 LEDs).**

Schutzgrad
Degree of protection

IP66

Netzanschluss
Supply connection

Pre-wired with or without connector.

Befestigungsfläche
Supporting surface

Normally flammable surface

Schutzklasse
Class of protection

CI.I

Umgebungstemperatur t_a
Rated ambient temperature t_a

35°C (25°C for type AV 18L105)

Beschreibung des Aufbaus
Description of construction

**Sustainable urban lighting with different mounting
options: post-top, lateral post-top, lateral arm and
suspended mounting.**

**Electronic, fixed output control gear. Luminaire body
manufactured in die-cast aluminium.**

Zusatzinformation
Additional information

**Classified as risk group 2 (moderate risk) according
EN 62471:2008.**

**The luminaire should be positioned so that prolonged
staring into the luminaire at a distance closer than 1,5 m
is not expected.**

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<i>Bauteil Component</i>	<i>Code Code</i>	<i>Hersteller Manufact.</i>	<i>Typenbezeichnung Type Reference</i>	<i>Konformitätszeichen Mark(s) of conformity</i>
<i>LED control gear</i>	B	Tridonic	LCO 14/100-500/38 NF C ADV3	ENEC 11
	B	Tridonic	LCO 14/100-500/38 o4a NF C EXC3	ENEC 11
	B	Tridonic	LCO 40/200-1050/64 NF C ADV3	ENEC 11
	D	Tridonic	LCO 40/200-1050/77 NF C ADV3	ENEC 11
	B	Tridonic	LCO 40/200-1050/64 o4a NF C EXC3	ENEC 11
	D	Tridonic	LCO 40/200-1050/77 o4a NF C EXC3	ENEC 11
	B	Tridonic	LCO 60/200-1050/100 NF C ADV3	ENEC 11
	B	Tridonic	LCO 60/200-1050/100 o4a NF C EXC3	ENEC 11
	D	Tridonic	LCO 60/200-1050/107 NF C ADV3	ENEC 11
	D	Tridonic	LCO 60/200-1050/107 o4a NF C EXC3	ENEC 11
	B	Tridonic	LCO 80/200-1050/91 2xCH pD+ NF C PRE3	ENEC 11
	B	Tridonic	LCO 90/200-1050/165 NF C ADV3	ENEC 11
	D	Tridonic	LCO 90/200-1050/176 NF C ADV3	ENEC 11
	B	Tridonic	LCO 90/200-1050/165 o4a NFC C EXC3	ENEC 11
	D	Tridonic	LCO 90/200-1050/176 o4a NF C EXC3	ENEC 11
	B	Philips	Xi SR 40W 0.2-1.0A SNEMP 230V C123 sXt	ENEC 05
B	Philips	Xi FP 75W 0.3-1.0A SNLDAE 230V C133 sXt	ENEC 05	
B	Philips	Xi SR 75W 0.2-1.0A SNEMP 230V C150 sXt	ENEC 05	
<i>LED modules</i>	A*	Thorn	LEM R12 tc = 105°C; max. 1050mA	OVE
	A*	Thorn	LEM R36 tc = 105°C; max. 1050mA	OVE
	A*	Thorn	LEM H18 tc = 105°C; max. 1050mA	OVE
<i>Base (Zhaga)</i>	B	Tyco	2213858-1 250V; 5A; 90°C; IP66	CB_US-34131-M2- UL
<i>Base (Nema)</i>	B	Tyco	2213362-4 240V; 7,5A; signal DC 30V; 1,5A	CB_US-37285-M2- UL
<i>Surge protection</i>	B	Citel	MLPC1-230L-R 320V; 5A; Uc= 320V; In= 5kA; Uoc= 10kV; Up= 1,5kV	IMQ
<i>Internal wiring</i>	B	BLF	SIL/0100 U-T2 300V; 180°C; 0,75mm ²	VDE
	B	BLF	UG4G4 0,75mm ² 450/750 V; 180°C; double insulated	IMQ
<i>Appliance coupler</i>	B	Wieland	RST20I3S 250/400V; 20A; IP66	VDE
	B	Wieland	RST20I5S 250/400V; 20A; IP66	VDE
<i>Terminals</i>	A	Electro Terminal	SLK3/2 450V; 16A; T85; 2,5mm ²	VDE
	A	Electro Terminal	SLK3/3 450V; 16A; T85; 2,5mm ²	VDE

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<i>Connector</i>	A	Adels	160 BU/3s 400V; 16A; 2,5mm²; 110°C	VDE
	A	Adels	160 BU/5s 400V; 16A; 2,5mm²; 110°C	VDE
	A	Adels	163 ST/3 250V; 16A; 2,5mm²; 110°C	VDE
	A	Adels	163 ST/5 250V; 16A; 2,5mm²; 110°C	VDE
	A	Wago	224-101 400V; 16A; 2,5mm²; 105°C	VDE
<i>Cable Gland</i>	A	Bimed	BM22-L PA 6; IP66; 80°C	VDE
<i>External wiring</i>	A	Lappkabel	H07RN-F 750V; 1,0mm² or 1,5mm²	HAR

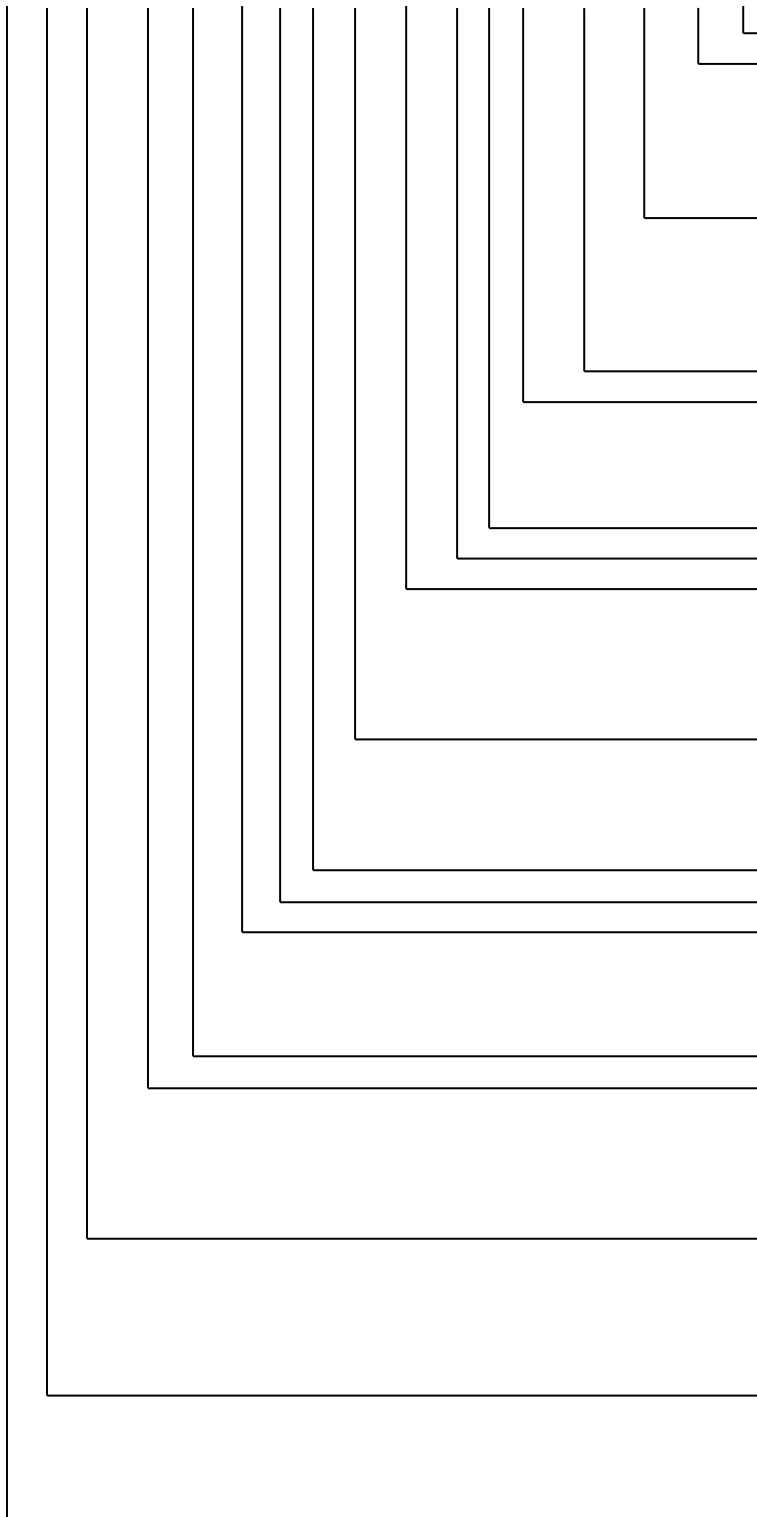
- A The component is replaceable with another one, also certified, with equivalent characteristics.
A* The component is replaceable with another one according to ETF5-OSM-LUM/DSH 2057A
B The component is replaceable if authorised by the test house.
C Integrated component tested together with the appliance.
D Alternative component.

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Typecode:

AV ..L... - CL1



SYNInternational connector for mains (optional)

Mounting

MSUSuspended
T60Spigot 60mm (version with arms)
T76Spigot 76mm (version with arms)
L42ELateral mounting
T42ELateral Top mounting

Colour

ANTAnthracite
BKBlack
GYLight grey
WHWhite
RALxxxRAL colour

CL1**Class I**

Wiring (optional)

WSxH07RN-F 1,5mm²
DSxfor DACH region 1,5mm²
CW0.3H07RN-F with connector 0,3m
CD0.3for DACH region with connector

SPSurge Protection (optional)

HFXDALI dimmable (optional)

Bi-Power Light Reduction (optional)

BPLBi Power Line
LRTLight Reduction Twin Phases
BSxxxBi-Power switchable reduction around midnight
MLD1Multi Diming Levels (MLD1 profil)
BPxxxBi-Power reduction around midnight

Controls (optional)

N7Nema photocell
ZUZhaga socket Up
ZDZhaga socket Down
ZUDZhaga socket Up & Down

C95Constant Light Output 95% (optional)

LVInternal louvre (optional)

Enclosure

CLPlastic bowl
CL-DComfort Optic Diffuser
GLFlat Glass
PRPrismatic foil

Optics

CCT+CRI

722CRI 70 2200K
727CRI 70 2700K827 CRI 80 2700K
730CRI 70 3000K830 CRI 80 3000K
740CRI 70 4000K840 CRI 90 4000K
722-40CRI 70 2200-4000K (Night Tune)

Current of LED module

35 350 mA
50 500 mA
60 600 mA (only AV 36L...)
70 700 mA (not for AV 36L...)
1051050 mA (only AV 18L...)

Number of LEDs

1212 LEDs
1818 LEDs
2424 LEDs
3636 LEDs

Series AVENUE

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Typelist, thermal and electrical specification:

Series	Type	Built-in LED modules	No. of LEDs	Module current	Rated input power*	Rated ambient temperature Ta
				[mA]	[W]	[°C]
AVENUE	AV 12L35	1x LEM R12	12	350	14	35
	AV 12L50			500	20	
	AV 12L70			700	27	
	AV 18L35	1x LEM H18	18	350	21	35
	AV 18L50			500	29	
	AV 18L70			700	40	
	AV 18L105			1050	61	25
	AV 24L35	2x LEM R12	24	350	27	35
	AV 24L50			500	38	
	AV 24L70			700	52	
	AV 36L35	1x LEM R36	36	350	39	35
	AV 36L50			500	55	
AV 36L60	600			66		

* Rated input power given for basic types.

Types with extended features (options) may have a higher power rating up to +3 W.

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