

**OVE Austrian Electrotechnical Association**  
1010 Wien, Eschenbachgasse 9, Austria  
ZVR: 327279890 | DVR: 1055887 | www.ove.at

**OVE Testing & Certification**  
1190 Wien, Kahlenberger Str. 2A, Austria  
T +43 1 370 58 06 | F +43 1 370 58 06-199



ENEC Certification Body registered under ID # 11.

Validity of ENEC Licences can be checked at [www.enec.com](http://www.enec.com)

# LICENCE

to use the European Mark



Licence No. **85175-005**

Date of issue: Wien, 2016 08 12

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: **Thorn Lighting Ltd**  
Durhamgate, Spennymoor,  
County Durham  
DL16 6HL  
United Kingdom

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

Trade Mark: **THORN**

Series/Type: **Flexity (LED) CI.II**

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.

**Austrian Electrotechnical Association**  
Head of Testing & Certification

  
Digitally signed by M. Neugebauer  
on behalf of W. Martin  
Email=m.neugebauer@ove.at

Dipl.-Ing. W. Martin



## **OVE Testing & Certification**

Accredited by the Federal Ministry of Science, Research and Economy as Certification Body for products within the scope as given in the official decree and published under [www.en.bmwfw.gv.at/accreditation](http://www.en.bmwfw.gv.at/accreditation)



<p><i>Hersteller</i> <i>Manufacturer</i></p>	<p><b>Thorn Lighting Ltd</b> <b>Durhamgate, Spennymoor,</b> <b>County Durham</b> <b>DL16 6HL</b> <b>United Kingdom</b></p>
<p><i>Fertigungsstätte(n)</i> <i>Factory location(s)</i></p>	<p><b>Thorn Lighting Ltd</b> <b>Durhamgate, Spennymoor,</b> <b>County Durham</b> <b>DL16 6HL</b> <b>United Kingdom</b></p>
<p><i>Typenbezeichnung</i> <i>Type reference</i></p>	<p><b>FLEXITY 24L.. ..., see type list</b></p>
<p><i>Prüfbericht</i> <i>Test Report</i></p>	<p><b>OVE-160607-2</b></p>
<p><i>Nationale Bestimmung(en)</i> <i>National Standard(s)</i></p>	<p><b>ÖVE/ÖNORM EN 60598-1:2015-11-01</b> <b>ÖVE/ÖNORM EN 60598-2-3:2012-01-01</b></p>
<p><i>Europannorm(en)</i> <i>European Standard(s)</i></p>	<p><b>EN 60598-1:2015</b> <b>EN 60598-2-3:2003 + A1:2011</b></p>
<p><i>Ersatz für Zertifikat</i> <i>Superseded licence</i></p>	<p>--</p>
<p><i>Anmerkung(en)</i> <i>Remark(s)</i></p>	<p><b>SMT-procedure</b></p>

<i>Nennspannung</i> <i>Rated voltage</i>	<b>110-240 V, 50-60 Hz or 220-240 V, 50-60 Hz</b>
<i>Anzahl und Leistung der Lampen</i> <i>Rated wattage and number of lamps</i>	<b>2x LED module RLE49 (12 LEDs each, max 700mA)</b>
<i>Lampentyp(en)</i> <i>Lamp identification</i>	<b>LED module (DSL-23,1-L)</b>
<i>Schutzgrad</i> <i>Degree of protection</i>	<b>IP66</b>
<i>Netzanschluß</i> <i>Supply connection</i>	<b>Screwless terminals (with supply Cord installed at factory)</b>
<i>Befestigungsfläche</i> <i>Supporting surface</i>	<b>Not suitable for direct mounting on normally flammable surfaces</b>
<i>Schutzklasse</i> <i>Class of protection</i>	<b>CI.I</b>
<i>Beschreibung des Aufbaus</i> <i>Description of construction</i>	<b>Post Top Luminaire available in base diameters 60mm &amp; 76mm. Two different diffusers: Opal for more comfort and Clear for Efficiency. With 24 LEDs, 3000K or 4000K. Distributions: Radial/Symmetrical, Symmetrical, Street.</b>
<i>Zusatzinformation</i> <i>Additional information</i>	<b>Classified as risk group 2 (moderate risk) according EN 62471:2008 (clear variant). The luminaire should be positioned so that prolonged staring into the luminaire at a distance <math>\leq 1,1</math> m is not expected (for clear variant).</b>

<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>
<i>LED control gear</i>	<b>B</b>	<b>TCI</b>	<b>MP50K3 0,35.0,5A</b>	<b>ENEC 05</b>
	<b>B</b>	<b>Osram</b>	<b>OT 50/220-240/700 3DIMLT+ F</b>	<b>ENEC 10</b>
	<b>B</b>	<b>Osram</b>	<b>OT 60/170-240/1A0 4DIMLT2 E</b>	<b>ENEC 10</b>
	<b>B</b>	<b>Osram</b>	<b>OT 90/170-240/1A0 4DIMLT2 E</b>	<b>ENEC 10</b>
	<b>B</b>	<b>Philips</b>	<b>XITANIUM 40W 0.53A Prog+ GL-J sXt</b>	<b>ENEC 05</b>
<i>LED module</i>	<b>B</b>	<b>Thorn</b>	<b>RLE49</b>	<b>OVE</b>
<i>Terminals</i>	<b>B</b>	<b>Electro Terminal</b>	<b>SLK3 450V; 24A</b>	<b>VDE</b>

- A The component is replaceable with another one, also certified, with equivalent characteristics.  
 B The component is replaceable if authorised by the test house.  
 C Integrated component tested together with the appliance.  
 D Alternative component.

Typelist of Flexity (LED) luminaire Cl.II range:

<b>Flexity 250mA diffuse - radial symmetric distribution</b>		
<b>Code</b>	<b>Type Description</b>	<b>LEDs / Module current</b>
96270771	FLEXITY 24L25 R/SC CL2 W5M D60 L730	24 / 250mA
96270772	FLEXITY 24L25 R/SC CL2 W5M D60 L740	24 / 250mA
96270779	FLEXITY 24L25 R/SC CL2 W5M D76 L730	24 / 250mA
96270780	FLEXITY 24L25 R/SC CL2 W5M D76 L740	24 / 250mA

<b>Flexity 250mA clear - symmetric distribution</b>		
<b>Code</b>	<b>Type Description</b>	<b>LEDs / Module current</b>
96271205	FLEXITY 24L25 SYM CL2 W5M D60 L730	24 / 250mA
96271206	FLEXITY 24L25 SYM CL2 W5M D60 L740	24 / 250mA
96271209	FLEXITY 24L25 SYM CL2 W5M D76 L730	24 / 250mA
96271210	FLEXITY 24L25 SYM CL2 W5M D76 L740	24 / 250mA

<b>Flexity 250mA clear - asymmetric distribution (street optic)</b>		
<b>Code</b>	<b>Type Description</b>	<b>LEDs / Module current</b>
96271221	FLEXITY 24L25 STR CL2 W5M D60 L730	24 / 250mA
96271222	FLEXITY 24L25 STR CL2 W5M D60 L740	24 / 250mA
96271225	FLEXITY 24L25 STR CL2 W5M D76 L730	24 / 250mA
96271226	FLEXITY 24L25 STR CL2 W5M D76 L740	24 / 250mA

<b>Flexity 500mA clear - symmetric distribution</b>		
<b>Code</b>	<b>Type Description</b>	<b>LEDs / Module current</b>
96270773	FLEXITY 24L50 SYM CL2 W5M D60 L730	24 / 500mA
96270774	FLEXITY 24L50 SYM CL2 W5M D60 L740	24 / 500mA
96270781	FLEXITY 24L50 SYM CL2 W5M D76 L730	24 / 500mA
96270782	FLEXITY 24L50 SYM CL2 W5M D76 L740	24 / 500mA

<b>Flexity 500mA clear - symmetric distribution, bi-power</b>		
<b>Code</b>	<b>Type Description</b>	<b>LEDs / Module current</b>
96270797	FLEXITY 24L50 SYM BP8 CL2 W5M D60 L730	24 / 500mA
96270798	FLEXITY 24L50 SYM BP8 CL2 W5M D60 L740	24 / 500mA
96270805	FLEXITY 24L50 SYM BP8 CL2 W5M D76 L730	24 / 500mA
96270806	FLEXITY 24L50 SYM BP8 CL2 W5M D76 L740	24 / 500mA

<b>Flexity 500mA clear - asymmetric distribution (street optic)</b>		
<b>Code</b>	<b>Type Description</b>	<b>LEDs / Module current</b>
96270787	FLEXITY 24L50 STR CL2 W5M D60 L730	24 / 500mA
96270788	FLEXITY 24L50 STR CL2 W5M D60 L740	24 / 500mA
96270791	FLEXITY 24L50 STR CL2 W5M D76 L730	24 / 500mA
96270792	FLEXITY 24L50 STR CL2 W5M D76 L740	24 / 500mA

<b>Flexity 500mA clear - asymmetric distribution (street optic), bi-power</b>		
<b>Code</b>	<b>Type Description</b>	<b>LEDs / Module current</b>
96270811	FLEXITY 24L50 STR BP8 CL2 W5M D60 L730	24 / 500mA
96270812	FLEXITY 24L50 STR BP8 CL2 W5M D60 L740	24 / 500mA
96270815	FLEXITY 24L50 STR BP8 CL2 W5M D76 L730	24 / 500mA
96270816	FLEXITY 24L50 STR BP8 CL2 W5M D76 L740	24 / 500mA