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ENEC Certification Body registered under ID # 11.

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# LICENCE

to use the European Mark



Licence No. **85175-004**

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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.I**

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**

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<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-160607-1</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Superseded licence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.I range:

<b>Flexity 250mA diffuse - radial symmetric distribution</b>		
<b>Code</b>	<b>Type Description</b>	<b>LEDs / Module current</b>
96270775	FLEXITY 24L25 R/SC CL1 W5M D60 L730	24 / 250mA
96270776	FLEXITY 24L25 R/SC CL1 W5M D60 L740	24 / 250mA
96270783	FLEXITY 24L25 R/SC CL1 W5M D76 L730	24 / 250mA
96270784	FLEXITY 24L25 R/SC CL1 W5M D76 L740	24 / 250mA
96242257	FLEXITY 24L25 R/SC XIT CL1 CON D60 L730	24 / 250mA
96242258	FLEXITY 24L25 R/SC XIT CL1 CON D60 L740	24 / 250mA

<b>Flexity 250mA clear - symmetric distribution</b>		
<b>Code</b>	<b>Type Description</b>	<b>LEDs / Module current</b>
96271207	FLEXITY 24L25 SYM CL1 W5M D60 L730	24 / 250mA
96271208	FLEXITY 24L25 SYM CL1 W5M D60 L740	24 / 250mA
96271211	FLEXITY 24L25 SYM CL1 W5M D76 L730	24 / 250mA
96271212	FLEXITY 24L25 SYM CL1 W5M D76 L740	24 / 250mA
96242259	FLEXITY 24L25 SYM XIT CL1 CON D60 L730	24 / 250mA
96242260	FLEXITY 24L25 SYM XIT CL1 CON D60 L740	24 / 250mA

<b>Flexity 250mA clear - asymmetric distribution (street optic)</b>		
<b>Code</b>	<b>Type Description</b>	<b>LEDs / Module current</b>
96271223	FLEXITY 24L25 STR CL1 W5M D60 L730	24 / 250mA
96271224	FLEXITY 24L25 STR CL1 W5M D60 L740	24 / 250mA
96271227	FLEXITY 24L25 STR CL1 W5M D76 L730	24 / 250mA
96271228	FLEXITY 24L25 STR CL1 W5M D76 L740	24 / 250mA
96242261	FLEXITY 24L25 STR XIT CL1 CON D60 L730	24 / 250mA
96242262	FLEXITY 24L25 STR XIT CL1 CON D60 L740	24 / 250mA

<b>Flexity 500mA diffuse - radial symmetric distribution</b>		
<b>Code</b>	<b>Type Description</b>	<b>LEDs / Module current</b>
96271408	FLEXITY 24L50 R/SC CL1 HT W5M D60 L740	24 / 500mA
96242264	FLEXITY 24L50 R/SC XIT CL1 CON D60 L740	24 / 500mA
96242263	FLEXITY 24L50 R/SC XIT CL1 CON D60 L730	24 / 500mA

<b>Flexity 500mA clear - symmetric distribution</b>		
<b>Code</b>	<b>Type Description</b>	<b>LEDs / Module current</b>
96271407	FLEXITY 24L50 SYM CL1 HT W5M D60 L740	24 / 500mA
96270777	FLEXITY 24L50 SYM CL1 W5M D60 L730	24 / 500mA
96270778	FLEXITY 24L50 SYM CL1 W5M D60 L740	24 / 500mA
96270785	FLEXITY 24L50 SYM CL1 W5M D76 L730	24 / 500mA
96270786	FLEXITY 24L50 SYM CL1 W5M D76 L740	24 / 500mA
96242265	FLEXITY 24L50 SYM XIT CL1 CON D60 L730	24 / 500mA
96242266	FLEXITY 24L50 SYM XIT CL1 CON D60 L740	24 / 500mA

<b>Flexity 500mA clear - symmetric distribution, bi-power</b>		
<b>Code</b>	<b>Type Description</b>	<b>LEDs / Module current</b>
96270801	FLEXITY 24L50 SYM BP8 CL1 W5M D60 L730	24 / 500mA
96270802	FLEXITY 24L50 SYM BP8 CL1 W5M D60 L740	24 / 500mA
96270809	FLEXITY 24L50 SYM BP8 CL1 W5M D76 L730	24 / 500mA
96270810	FLEXITY 24L50 SYM BP8 CL1 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>
96271406	FLEXITY 24L50 STR CL1 HT W5M D60 L740	24 / 500mA
96270789	FLEXITY 24L50 STR CL1 W5M D60 L730	24 / 500mA
96270790	FLEXITY 24L50 STR CL1 W5M D60 L740	24 / 500mA
96270793	FLEXITY 24L50 STR CL1 W5M D76 L730	24 / 500mA
96270794	FLEXITY 24L50 STR CL1 W5M D76 L740	24 / 500mA
96242267	FLEXITY 24L50 STR XIT CL1 CON D60 L730	24 / 500mA
96242268	FLEXITY 24L50 STR XIT CL1 CON D60 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>
96270813	FLEXITY 24L50 STR BP8 CL1 W5M D60 L730	24 / 500mA
96270814	FLEXITY 24L50 STR BP8 CL1 W5M D60 L740	24 / 500mA
96270817	FLEXITY 24L50 STR BP8 CL1 W5M D76 L730	24 / 500mA
96270818	FLEXITY 24L50 STR BP8 CL1 W5M D76 L740	24 / 500mA



<b>Flexity 700mA diffuse - radial symmetric distribution</b>		
<b>Code</b>	<b>Type Description</b>	<b>LEDs / Module current</b>
96271141	FLEX 24L70 R/SC CL1 HT W5M D60 L740 ANT	24 / 700mA

<b>Flexity 700mA clear - symmetric distribution</b>		
<b>Code</b>	<b>Type Description</b>	<b>LEDs / Module current</b>
96271140	FLEX 24L70 SYM CL1 HT W5M D60 L740 ANT	24 / 700mA

<b>Flexity 700mA clear - asymmetric distribution (street optic)</b>		
<b>Code</b>	<b>Type Description</b>	<b>LEDs / Module current</b>
96271139	FLEX 24L70 STR CL1 HT W5M D60 L740 ANT	24 / 700mA