

Manufacturer: **Spectra Lighting LLC**  
**Ostródzka st. 53**  
**03-289 Warsaw**

Product name: **TWIST 100**

Product number: **in the attachment nr 02/046**

We hereby declare, under the sole responsibility of the manufacturer, that the above product complies with the provisions of the following directives:

<b>2009/125/WE</b>	Ecodesign
<b>2011/65/UE</b>	Restriction of the use of certain hazardous substances
<b>2014/30/UE</b>	Electromagnetic Compatibility
<b>2014/35/UE</b>	Low Voltage

and the following standards:

<b>PN-EN 55015:2013</b>	Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment
<b>PN-EN 60529:2003</b>	Degrees of protection provided by enclosures (IP code)
<b>PN-EN 60598-1:2015</b>	Luminaires - Part 1: General requirements and tests
<b>PN-EN 60598-2-2:2012</b>	Luminaires - Part 2-2: Particular requirements - Recessed luminaires
<b>PN-EN 61000-3-2:2014</b>	Electromagnetic compatibility (EMC) -- Part 3-2: Limits -- Limits for harmonic current emissions (equipment input current ≤ 16 A per phase)
<b>PN-EN 61000-3-3:2013</b>	Electromagnetic compatibility (EMC) -- Part 3-3: Limits -- Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤ 16 A per phase and not subject to conditional connection
<b>PN-EN 61547:2009</b>	Equipment for general lighting purposes - EMC immunity requirements
<b>PN-EN 62493:2015</b>	Assessment of lighting equipment related to human exposure to electromagnetic fields

The product has been CE marked for the first time in the year:

**2019**

Place and date of issue of the document

**Warszawa, 24.01.2022**

  
**MIROSLAW RAKOCZY**  
**V-ce PREZES**

### ATTACHMENT

Code	Name
25.0010.01.930.250	Twist 100 Recessed LED/930, 25° 250mA RAL9016
25.0010.01.930.250.DALI	Twist 100 Recessed LED/930, 25° DALI 250mA RAL9016
25.0010.01.930.350	Twist 100 Recessed LED/930, 25° 350mA RAL9016
25.0010.01.930.350.DALI	Twist 100 Recessed LED/930, 25° DALI 350mA RAL9016
25.0010.01.930.450	Twist 100 Recessed LED/930, 25° 450mA RAL9016
25.0010.01.930.450.DALI	Twist 100 Recessed LED/930, 25° DALI 450mA RAL9016
25.0010.01.930.500	Twist 100 Recessed LED/930, 25° 500mA RAL9016
25.0010.01.930.500.DALI	Twist 100 Recessed LED/930, 25° DALI 500mA RAL9016
25.0010.01.930.600	Twist 100 Recessed LED/930, 25° 600mA RAL9016
25.0010.01.930.600.DALI	Twist 100 Recessed LED/930, 25° DALI 600mA RAL9016
25.0010.01.930.650	Twist 100 Recessed LED/930, 25° 650mA RAL9016
25.0010.01.930.650.DALI	Twist 100 Recessed LED/930, 25° DALI 650mA RAL9016
25.0010.01.930.700	Twist 100 Recessed LED/930, 25° 700mA RAL9016
25.0010.01.930.700.DALI	Twist 100 Recessed LED/930, 25° DALI 700mA RAL9016
25.0010.01.940.250	Twist 100 Recessed LED/940, 25° 250mA RAL9016
25.0010.01.940.250.DALI	Twist 100 Recessed LED/940, 25° DALI 250mA RAL9016
25.0010.01.940.350	Twist 100 Recessed LED/940, 25° 350mA RAL9016
25.0010.01.940.350.DALI	Twist 100 Recessed LED/940, 25° DALI 350mA RAL9016
25.0010.01.940.450	Twist 100 Recessed LED/940, 25° 450mA RAL9016
25.0010.01.940.450.DALI	Twist 100 Recessed LED/940, 25° DALI 450mA RAL9016
25.0010.01.940.500	Twist 100 Recessed LED/940, 25° 500mA RAL9016
25.0010.01.940.500.DALI	Twist 100 Recessed LED/940, 25° DALI 500mA RAL9016
25.0010.01.940.600	Twist 100 Recessed LED/940, 25° 600mA RAL9016
25.0010.01.940.600.DALI	Twist 100 Recessed LED/940, 25° DALI 600mA RAL9016
25.0010.01.940.650	Twist 100 Recessed LED/940, 25° 650mA RAL9016
25.0010.01.940.650.DALI	Twist 100 Recessed LED/940, 25° DALI 650mA RAL9016
25.0010.01.940.700	Twist 100 Recessed LED/940, 25° 700mA RAL9016
25.0010.01.940.700.DALI	Twist 100 Recessed LED/940, 25° DALI 700mA RAL9016
25.0010.02.930.250	Twist 100 Recessed LED/930, 25° 250mA RAL9006
25.0010.02.930.250.DALI	Twist 100 Recessed LED/930, 25° DALI 250mA RAL9006
25.0010.02.930.350	Twist 100 Recessed LED/930, 25° 350mA RAL9006
25.0010.02.930.350.DALI	Twist 100 Recessed LED/930, 25° DALI 350mA RAL9006
25.0010.02.930.450	Twist 100 Recessed LED/930, 25° 450mA RAL9006
25.0010.02.930.450.DALI	Twist 100 Recessed LED/930, 25° DALI 450mA RAL9006
25.0010.02.930.500	Twist 100 Recessed LED/930, 25° 500mA RAL9006
25.0010.02.930.500.DALI	Twist 100 Recessed LED/930, 25° DALI 500mA RAL9006
25.0010.02.930.600	Twist 100 Recessed LED/930, 25° 600mA RAL9006
25.0010.02.930.600.DALI	Twist 100 Recessed LED/930, 25° DALI 600mA RAL9006
25.0010.02.930.650	Twist 100 Recessed LED/930, 25° 650mA RAL9006
25.0010.02.930.650.DALI	Twist 100 Recessed LED/930, 25° DALI 650mA RAL9006
25.0010.02.930.700	Twist 100 Recessed LED/930, 25° 700mA RAL9006
25.0010.02.930.700.DALI	Twist 100 Recessed LED/930, 25° DALI 700mA RAL9006

Place and date of issue of the document

**Warszawa, 24.01.2022**



MIROSLAW-RAKOCZY  
V-ce PREZES

Code	Name
25.0010.02.940.250	Twist 100 Recessed LED/940, 25° 250mA RAL9006
25.0010.02.940.250.DALI	Twist 100 Recessed LED/940, 25° DALI 250mA RAL9006
25.0010.02.940.350	Twist 100 Recessed LED/940, 25° 350mA RAL9006
25.0010.02.940.350.DALI	Twist 100 Recessed LED/940, 25° DALI 350mA RAL9006
25.0010.02.940.450	Twist 100 Recessed LED/940, 25° 450mA RAL9006
25.0010.02.940.450.DALI	Twist 100 Recessed LED/940, 25° DALI 450mA RAL9006
25.0010.02.940.500	Twist 100 Recessed LED/940, 25° 500mA RAL9006
25.0010.02.940.500.DALI	Twist 100 Recessed LED/940, 25° DALI 500mA RAL9006
25.0010.02.940.600	Twist 100 Recessed LED/940, 25° 600mA RAL9006
25.0010.02.940.600.DALI	Twist 100 Recessed LED/940, 25° DALI 600mA RAL9006
25.0010.02.940.650	Twist 100 Recessed LED/940, 25° 650mA RAL9006
25.0010.02.940.650.DALI	Twist 100 Recessed LED/940, 25° DALI 650mA RAL9006
25.0010.02.940.700	Twist 100 Recessed LED/940, 25° 700mA RAL9006
25.0010.02.940.700.DALI	Twist 100 Recessed LED/940, 25° DALI 700mA RAL9006
25.0010.03.930.250	Twist 100 Recessed LED/930, 25° 250mA RAL9005
25.0010.03.930.250.DALI	Twist 100 Recessed LED/930, 25° DALI 250mA RAL9005
25.0010.03.930.350	Twist 100 Recessed LED/930, 25° 350mA RAL9005
25.0010.03.930.350.DALI	Twist 100 Recessed LED/930, 25° DALI 350mA RAL9005
25.0010.03.930.450	Twist 100 Recessed LED/930, 25° 450mA RAL9005
25.0010.03.930.450.DALI	Twist 100 Recessed LED/930, 25° DALI 450mA RAL9005
25.0010.03.930.500	Twist 100 Recessed LED/930, 25° 500mA RAL9005
25.0010.03.930.500.DALI	Twist 100 Recessed LED/930, 25° DALI 500mA RAL9005
25.0010.03.930.600	Twist 100 Recessed LED/930, 25° 600mA RAL9005
25.0010.03.930.600.DALI	Twist 100 Recessed LED/930, 25° DALI 600mA RAL9005
25.0010.03.930.650	Twist 100 Recessed LED/930, 25° 650mA RAL9005
25.0010.03.930.650.DALI	Twist 100 Recessed LED/930, 25° DALI 650mA RAL9005
25.0010.03.930.700	Twist 100 Recessed LED/930, 25° 700mA RAL9005
25.0010.03.930.700.DALI	Twist 100 Recessed LED/930, 25° DALI 700mA RAL9005
25.0010.03.940.250	Twist 100 Recessed LED/940, 25° 250mA RAL9005
25.0010.03.940.250.DALI	Twist 100 Recessed LED/940, 25° DALI 250mA RAL9005
25.0010.03.940.350	Twist 100 Recessed LED/940, 25° 350mA RAL9005
25.0010.03.940.350.DALI	Twist 100 Recessed LED/940, 25° DALI 350mA RAL9005
25.0010.03.940.450	Twist 100 Recessed LED/940, 25° 450mA RAL9005
25.0010.03.940.450.DALI	Twist 100 Recessed LED/940, 25° DALI 450mA RAL9005
25.0010.03.940.500	Twist 100 Recessed LED/940, 25° 500mA RAL9005
25.0010.03.940.500.DALI	Twist 100 Recessed LED/940, 25° DALI 500mA RAL9005
25.0010.03.940.600	Twist 100 Recessed LED/940, 25° 600mA RAL9005
25.0010.03.940.600.DALI	Twist 100 Recessed LED/940, 25° DALI 600mA RAL9005
25.0010.03.940.650	Twist 100 Recessed LED/940, 25° 650mA RAL9005
25.0010.03.940.650.DALI	Twist 100 Recessed LED/940, 25° DALI 650mA RAL9005
25.0010.03.940.700	Twist 100 Recessed LED/940, 25° 700mA RAL9005
25.0010.03.940.700.DALI	Twist 100 Recessed LED/940, 25° DALI 700mA RAL9005
25.0020.01.930.250	Twist 100 Recessed LED/930, 38° 250mA RAL9016
25.0020.01.930.250.DALI	Twist 100 Recessed LED/930, 38° DALI 250mA RAL9016

Place and date of issue of the document

**Warszawa, 24.01.2022**



MIROSLAW-RAKOCZY  
V-ce PREZES

Code	Name
25.0020.01.930.350	Twist 100 Recessed LED/930, 38° 350mA RAL9016
25.0020.01.930.350.DALI	Twist 100 Recessed LED/930, 38° DALI 350mA RAL9016
25.0020.01.930.450	Twist 100 Recessed LED/930, 38° 450mA RAL9016
25.0020.01.930.450.DALI	Twist 100 Recessed LED/930, 38° DALI 450mA RAL9016
25.0020.01.930.500	Twist 100 Recessed LED/930, 38° 500mA RAL9016
25.0020.01.930.500.DALI	Twist 100 Recessed LED/930, 38° DALI 500mA RAL9016
25.0020.01.930.600	Twist 100 Recessed LED/930, 38° 600mA RAL9016
25.0020.01.930.600.DALI	Twist 100 Recessed LED/930, 38° DALI 600mA RAL9016
25.0020.01.930.650	Twist 100 Recessed LED/930, 38° 650mA RAL9016
25.0020.01.930.650.DALI	Twist 100 Recessed LED/930, 38° DALI 650mA RAL9016
25.0020.01.930.700	Twist 100 Recessed LED/930, 38° 700mA RAL9016
25.0020.01.930.700.DALI	Twist 100 Recessed LED/930, 38° DALI 700mA RAL9016
25.0020.01.940.250	Twist 100 Recessed LED/940, 38° 250mA RAL9016
25.0020.01.940.250.DALI	Twist 100 Recessed LED/940, 38° DALI 250mA RAL9016
25.0020.01.940.350	Twist 100 Recessed LED/940, 38° 350mA RAL9016
25.0020.01.940.350.DALI	Twist 100 Recessed LED/940, 38° DALI 350mA RAL9016
25.0020.01.940.450	Twist 100 Recessed LED/940, 38° 450mA RAL9016
25.0020.01.940.450.DALI	Twist 100 Recessed LED/940, 38° DALI 450mA RAL9016
25.0020.01.940.500	Twist 100 Recessed LED/940, 38° 500mA RAL9016
25.0020.01.940.500.DALI	Twist 100 Recessed LED/940, 38° DALI 500mA RAL9016
25.0020.01.940.600	Twist 100 Recessed LED/940, 38° 600mA RAL9016
25.0020.01.940.600.DALI	Twist 100 Recessed LED/940, 38° DALI 600mA RAL9016
25.0020.01.940.650	Twist 100 Recessed LED/940, 38° 650mA RAL9016
25.0020.01.940.650.DALI	Twist 100 Recessed LED/940, 38° DALI 650mA RAL9016
25.0020.01.940.700	Twist 100 Recessed LED/940, 38° 700mA RAL9016
25.0020.01.940.700.DALI	Twist 100 Recessed LED/940, 38° DALI 700mA RAL9016
25.0020.02.930.250	Twist 100 Recessed LED/930, 38° 250mA RAL9006
25.0020.02.930.250.DALI	Twist 100 Recessed LED/930, 38° DALI 250mA RAL9006
25.0020.02.930.350	Twist 100 Recessed LED/930, 38° 350mA RAL9006
25.0020.02.930.350.DALI	Twist 100 Recessed LED/930, 38° DALI 350mA RAL9006
25.0020.02.930.450	Twist 100 Recessed LED/930, 38° 450mA RAL9006
25.0020.02.930.450.DALI	Twist 100 Recessed LED/930, 38° DALI 450mA RAL9006
25.0020.02.930.500	Twist 100 Recessed LED/930, 38° 500mA RAL9006
25.0020.02.930.500.DALI	Twist 100 Recessed LED/930, 38° DALI 500mA RAL9006
25.0020.02.930.600	Twist 100 Recessed LED/930, 38° 600mA RAL9006
25.0020.02.930.600.DALI	Twist 100 Recessed LED/930, 38° DALI 600mA RAL9006
25.0020.02.930.650	Twist 100 Recessed LED/930, 38° 650mA RAL9006
25.0020.02.930.650.DALI	Twist 100 Recessed LED/930, 38° DALI 650mA RAL9006
25.0020.02.930.700	Twist 100 Recessed LED/930, 38° 700mA RAL9006
25.0020.02.930.700.DALI	Twist 100 Recessed LED/930, 38° DALI 700mA RAL9006
25.0020.02.940.250	Twist 100 Recessed LED/940, 38° 250mA RAL9006
25.0020.02.940.250.DALI	Twist 100 Recessed LED/940, 38° DALI 250mA RAL9006
25.0020.02.940.350	Twist 100 Recessed LED/940, 38° 350mA RAL9006
25.0020.02.940.350.DALI	Twist 100 Recessed LED/940, 38° DALI 350mA RAL9006

Place and date of issue of the document

**Warszawa, 24.01.2022**



MIROSLAW-RAKOCZY  
V-ce PREZES

Code	Name
25.0020.02.940.450	Twist 100 Recessed LED/940, 38° 450mA RAL9006
25.0020.02.940.450.DALI	Twist 100 Recessed LED/940, 38° DALI 450mA RAL9006
25.0020.02.940.500	Twist 100 Recessed LED/940, 38° 500mA RAL9006
25.0020.02.940.500.DALI	Twist 100 Recessed LED/940, 38° DALI 500mA RAL9006
25.0020.02.940.600	Twist 100 Recessed LED/940, 38° 600mA RAL9006
25.0020.02.940.600.DALI	Twist 100 Recessed LED/940, 38° DALI 600mA RAL9006
25.0020.02.940.650	Twist 100 Recessed LED/940, 38° 650mA RAL9006
25.0020.02.940.650.DALI	Twist 100 Recessed LED/940, 38° DALI 650mA RAL9006
25.0020.02.940.700	Twist 100 Recessed LED/940, 38° 700mA RAL9006
25.0020.02.940.700.DALI	Twist 100 Recessed LED/940, 38° DALI 700mA RAL9006
25.0020.03.930.250	Twist 100 Recessed LED/930, 38° 250mA RAL9005
25.0020.03.930.250.DALI	Twist 100 Recessed LED/930, 38° DALI 250mA RAL9005
25.0020.03.930.350	Twist 100 Recessed LED/930, 38° 350mA RAL9005
25.0020.03.930.350.DALI	Twist 100 Recessed LED/930, 38° DALI 350mA RAL9005
25.0020.03.930.450	Twist 100 Recessed LED/930, 38° 450mA RAL9005
25.0020.03.930.450.DALI	Twist 100 Recessed LED/930, 38° DALI 450mA RAL9005
25.0020.03.930.500	Twist 100 Recessed LED/930, 38° 500mA RAL9005
25.0020.03.930.500.DALI	Twist 100 Recessed LED/930, 38° DALI 500mA RAL9005
25.0020.03.930.600	Twist 100 Recessed LED/930, 38° 600mA RAL9005
25.0020.03.930.600.DALI	Twist 100 Recessed LED/930, 38° DALI 600mA RAL9005
25.0020.03.930.650	Twist 100 Recessed LED/930, 38° 650mA RAL9005
25.0020.03.930.650.DALI	Twist 100 Recessed LED/930, 38° DALI 650mA RAL9005
25.0020.03.930.700	Twist 100 Recessed LED/930, 38° 700mA RAL9005
25.0020.03.930.700.DALI	Twist 100 Recessed LED/930, 38° DALI 700mA RAL9005
25.0020.03.940.250	Twist 100 Recessed LED/940, 38° 250mA RAL9005
25.0020.03.940.250.DALI	Twist 100 Recessed LED/940, 38° DALI 250mA RAL9005
25.0020.03.940.350	Twist 100 Recessed LED/940, 38° 350mA RAL9005
25.0020.03.940.350.DALI	Twist 100 Recessed LED/940, 38° DALI 350mA RAL9005
25.0020.03.940.450	Twist 100 Recessed LED/940, 38° 450mA RAL9005
25.0020.03.940.450.DALI	Twist 100 Recessed LED/940, 38° DALI 450mA RAL9005
25.0020.03.940.500	Twist 100 Recessed LED/940, 38° 500mA RAL9005
25.0020.03.940.500.DALI	Twist 100 Recessed LED/940, 38° DALI 500mA RAL9005
25.0020.03.940.600	Twist 100 Recessed LED/940, 38° 600mA RAL9005
25.0020.03.940.600.DALI	Twist 100 Recessed LED/940, 38° DALI 600mA RAL9005
25.0020.03.940.650	Twist 100 Recessed LED/940, 38° 650mA RAL9005
25.0020.03.940.650.DALI	Twist 100 Recessed LED/940, 38° DALI 650mA RAL9005
25.0020.03.940.700	Twist 100 Recessed LED/940, 38° 700mA RAL9005
25.0020.03.940.700.DALI	Twist 100 Recessed LED/940, 38° DALI 700mA RAL9005

Place and date of issue of the document

**Warszawa, 24.01.2022**



MIROSLAW RAKOCZY  
V-ce PREZES