

COMMISSION REGULATION (EU) No 2019/2020 of 1 October 2019 laying down ecodesign requirements for light source and separate control gears pursuant to Directive 2009/125/EC of the European Parliament and of the Council and repealing Commission Regulations (EC) No 244/2009, (EC) No 245/2209 and (EU) No 1194/2012

<i>Manufacturer</i>	SOVIL Srl Strada Statale Ortana, Km.15 - 01038 - Soriano nel Cimino (VT) – Italy
<i>Model</i>	99240/16
<i>Model identifier of all equivalent models already placed on the market</i>	99240/02
<i>Tested by</i>	Maximiliano Della Coletta
<i>Approved by</i>	Piarpaolo Paganini
<i>Useful luminous flux (Φ_{use})</i>	715 lm
<i>On-mode power (P_{on})</i>	6 W
<i>F_{TM} (lm/W)</i>	1
<i>Energy efficiency class</i>	E
<i>Colour Rendering Index (CRI)</i>	82
<i>Beam angle</i>	N/A
<i>CCT (K)</i>	4000
<i>Stand-by power (P_{sb})</i>	N/A
<i>Networked stand-by power for (P_{net}) CLS</i>	N/A
<i>Displacement factor ($\cos \phi_1$) for LED and OLED mains light sources</i>	0,93
<i>Colour consistency in McAdam ellipses</i>	3
<i>Luminance-HLLS in cd/mm^2 (only for HLLS)</i>	N/A
<i>Flicker metric (Pst LM)</i>	0,9
<i>Stroboscopic effect metric (SVM)</i>	0,4
<i>Excitation purity, only for CTLS, for the following colours and dominant wavelength within the given range: Colour Dominant wave-length range Blue 440 nm – 490 nm Green 520 nm – 570 nm Red 610 nm – 670 nm</i>	N/A
<i>MLS or NMLS</i>	MLS
<i>DLS or NDLS</i>	NDLS
<i>Length(mm) x Width(mm) x Height(mm)</i>	145x15x2
<i>Chromaticity coordinates (x, y)</i>	0,3842 0,3791
<i>Test ambient temperature</i>	25,0°C
<i>Power supply</i>	AC 230 V, 50 Hz
<i>Test procedure</i>	Photometric (useful luminous flux, light distribution), colorimetric (color coordinates, CRI, R9 and spectral distribution) and electrical test (power)
<i>Instruments</i>	Hopoo Goniophotometer HP880 Spectrometer OHP-350F-BF-SF Constant Voltage Power Supply Peak Tech 6227

equation used to perform the calculation of the NERGY EFFICIENCY CLASS:

$$\eta_{TM} = (\Phi_{use}/P_{on}) \times F_{TM} \text{ (lm/W)}$$

The light fitting must be installed by qualified personnel. Make sure the power is turned off before installing, maintaining or starting any work on the device (power OFF). Before starting any work, be sure to wear appropriate gloves. Do not make short-circuit while power supplying the light source.