

# Product Information Sheet

COMMISSION DELEGATED REGULATION (EU) 2019/2015 with regard to energy labelling of light sources

**Supplier's name or trade mark:** VOLTENO

**Supplier's address:** VOLTENO, Leszno 40, 06-300 Przasnysz Przasnysz mazowieckie, PL

**Model identifier:** VO1990

## Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
Light source cap-type (or other electric interface)	SIECI ZASILAJACE		
Mains or non-mains:	MLS	Connected light source (CLS):	No
Colour-tuneable light source:	No	Envelope:	-
High luminance light source:	No		
Anti-glare shield:	No	Dimmable:	No

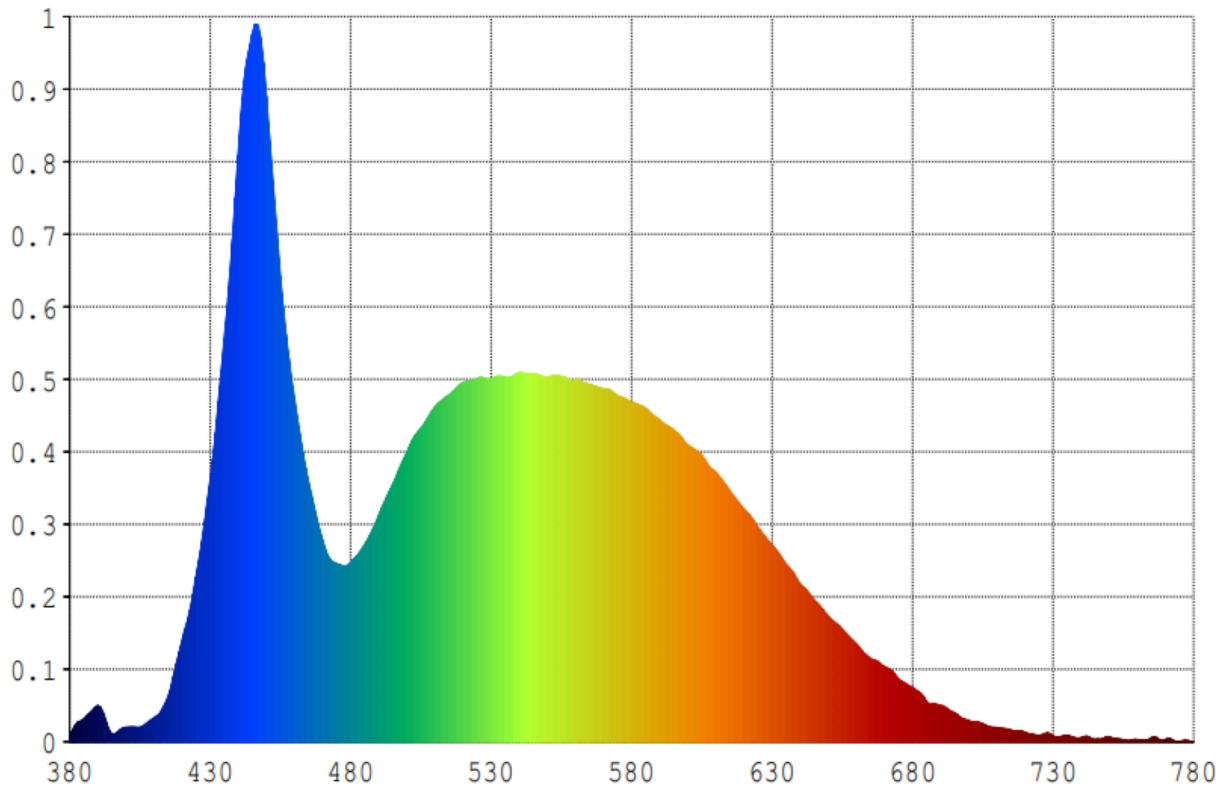
## Product parameters

Parameter	Value	Parameter	Value
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	20	Energy efficiency class	E
Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	2 400 in Sphere (360°)	Correlated colour temperature, rounded to the nearest 100 K, or the range of correlated colour temperatures, rounded to the nearest 100 K, that can be set	6 500
On-mode power ( $P_{on}$ ), expressed in W	20,0	Standby power ( $P_{sb}$ ), expressed in W and rounded to the second decimal	-
Networked standby power ( $P_{net}$ ) for CLS, expressed in W and rounded to the second decimal	-	Colour rendering index, rounded to the nearest integer, or the range of CRI-values that can be set	80
Outer dimensions without separate control gear, lighting control	Height	216	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	150	
	Depth	575	
			See image in last page

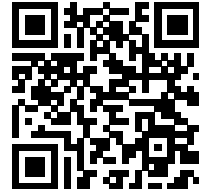
parts and non-lighting control parts, if any (millimetre)			
Claim of equivalent power <sup>(a)</sup>	-	If yes, equivalent power (W)	-
		Chromaticity coordinates (x and y)	0,380 0,380
<b>Parameters for LED and OLED light sources:</b>			
R9 colour rendering index value	0	Survival factor	0,92
the lumen maintenance factor	0,96		
<b>Parameters for LED and OLED mains light sources:</b>			
displacement factor (cos $\phi_1$ )	0,90	Colour consistency in McAdam ellipses	6
Claims that an LED light source replaces a fluorescent light source without integrated ballast of a particular wattage.	-(b)	If yes then replacement claim (W)	-
Flicker metric (Pst LM)	0,7	Stroboscopic effect metric (SVM)	-

(a)-: not applicable;

(b)-: not applicable;



Model placed on the Union market from 08/06/2016



**EPREL registration number:** 1145339

<https://eprel.ec.europa.eu/qr/1145339>

**Supplier:** ZIPP SKUTERY SP. Z O.O. (Importer)

**Website:** [www.volteno.pl](http://www.volteno.pl)

**Customer care service:**

**Name:** VOLTENO

**Website:** [www.volteno.pl](http://www.volteno.pl)

**Email:** [volteno@volteno.pl](mailto:volteno@volteno.pl)

**Phone:** +48 29 7712000

**Address:**

Leszno 40  
06-300 Przasnysz  
Poland