

# Product Information Sheet

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

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

**Supplier's address:** ENOVATEK GmbH, Sillensteder Straße 213, 26441 Jever, DE

**Model identifier:** LX500120

## Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
Light source cap-type (or other electric interface)	SMD 2835		
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	50	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°)	6 000 in Wide cone (120°)	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	5 000
On-mode power ( $P_{on}$ ), expressed in W	50,0	Standby power ( $P_{sb}$ ), expressed in W and rounded to the second decimal	0,50
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	78	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	118	
	Depth	285	
			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)	0,345 0,355
<b>Parameters for LED and OLED light sources:</b>			
R9 colour rendering index value	80	Survival factor	-
the lumen maintenance factor	-		
<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)	1,0	Stroboscopic effect metric (SVM)	0,9

(a)-: not applicable;

(b)-: not applicable;

## Spectrum Test Report

### Product Information

Product Type: LX500120

Product Spec: 5000K

Product Number: 1

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3425$   $y=0.3585$   $u(u')=0.2070$   $v=0.3251$   $v'=0.4876$

CCT:  $T_c=5118K$  ( $duv=0.00448$ )

Color Ratio:  $R=0.150$   $G=0.808$   $B=0.042$

Peak Wavelength: 0nm

Half Bandwidth: 19.9nm

Dominant Wavelength: 567.9nm

Color Purity: 0.104

CRI:  $R_i$ :  $R_a=81.8$

$R_1=81$

$R_2=82$

$R_3=82$

$R_4=88$

$R_5=81$

$R_6=75$

$R_7=90$

$R_8=75$

$R_9=12$

$R_{10}=56$

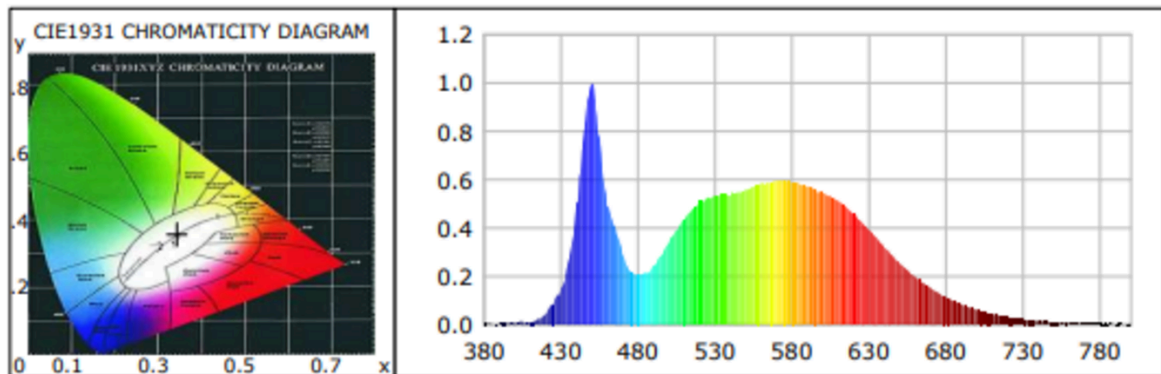
$R_{11}=87$

$R_{12}=49$

$R_{13}=80$

$R_{14}=90$

$R_{15}=78$



### Photometric Parameters

Luminous Flux: 5949.6 lm

Efficiency: 118.28 lm/W

### Electric Parameters

Voltage: 230.70V

Current: 0.2190A

Power: 50.300W

Power Factor: 0.993

Frequency: 50.00Hz

### Test Information

Scan Range: 380nm~800nm:1nm

Stabilization Time: 0 Min

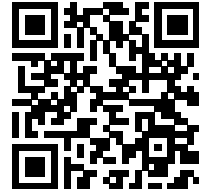
Max of Signal: 12579 (37476)

Photometric Method:

Photometric Condition: Sphere diameter: 1.00m, 4 $\pi$

CCD Integration Time: 69.88 ms

Model placed on the Union market from 15/11/2023



**EPREL registration number:** 1785500

<https://eprel.ec.europa.eu/qr/1785500>

**Supplier:** ENOVATEK GmbH (Importer)

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