

# 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:** LX500130

## Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
Light source cap-type (or other electric interface)	SMD		
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	100	Energy efficiency class	F
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°)	10 000 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	100,0	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	70	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	255	
	Depth	255	
			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

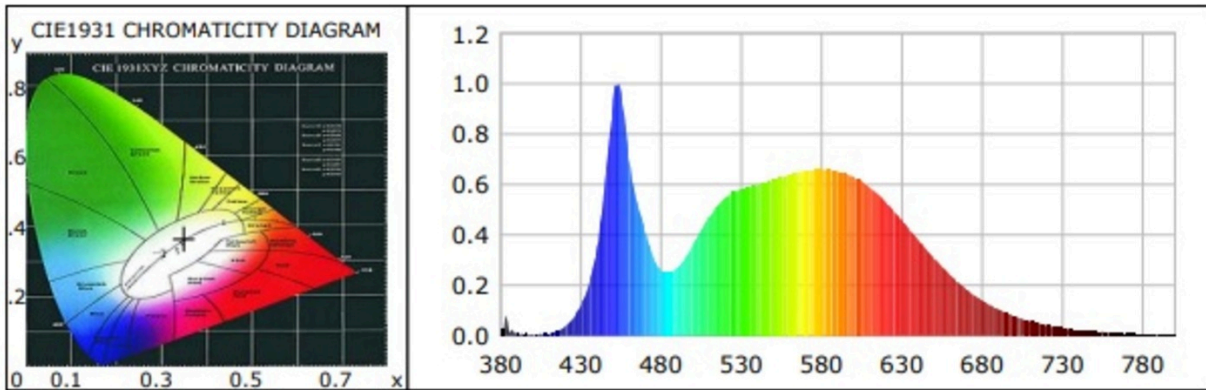
## Product Information

Product Type: LX500130  
Product Number: 4

Product Spec: 5000K

## CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3496$   $y=0.3650$   $u(u')=0.2093$   $v=0.3278$   $v'=0.4917$   
CCT:  $T_c=4884K$  ( $duv=0.00484$ ) Color Ratio:  $R=0.156$   $G=0.801$   $B=0.043$   
Peak Wavelength: 1073741824nm Half Bandwidth: 23.2nm  
Dominant Wavelength: 570.3nm Color Purity: 0.145  
CRI:  $R_i$ :  $R_a=81.7$   
 $R1=79$   $R2=87$   $R3=93$   $R4=80$   $R5=79$   $R6=82$   $R7=87$   $R8=66$   
 $R9=4$   $R10=69$   $R11=78$   $R12=53$   $R13=81$   $R14=96$   $R15=73$



## Photometric Parameters

Luminous Flux: 9686.1 lm

Efficiency: 95.97 lm/W

Radiant Power: 29.585 W

## Electric Parameters

Voltage: 230.50V  
Power Factor: 0.993

Current: 0.4410A  
Frequency: 50.00Hz

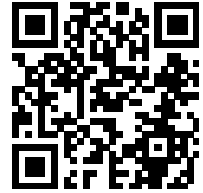
Power: 100.930W

## Test Information

Scan Range: 380nm~800nm:1nm  
Stabilization Time: 0 Sec  
Max of Signal: 11523 (38187)

Photometric Method: sphere-spectroradiometer  
Photometric Condition: Sphere diameter: 1.00m, 4 $\pi$   
CCD Integration Time: 27.28 ms

Model placed on the Union market from 01/03/2024



**EPREL registration number:** 1864226

<https://eprel.ec.europa.eu/qr/1864226>

**Supplier:** ENOVATEK GmbH (Importer)

**Website:** [www.enovatek.de](http://www.enovatek.de)

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