

# 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:** LX200123

## 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	45	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°)	5 175 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	4 000
On-mode power ( $P_{on}$ ), expressed in W	45,0	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	43	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	60	
	Depth	1 485	
			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)	0,382 0,380
<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	5
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)	0,4

(a)-: not applicable;

(b)-: not applicable;

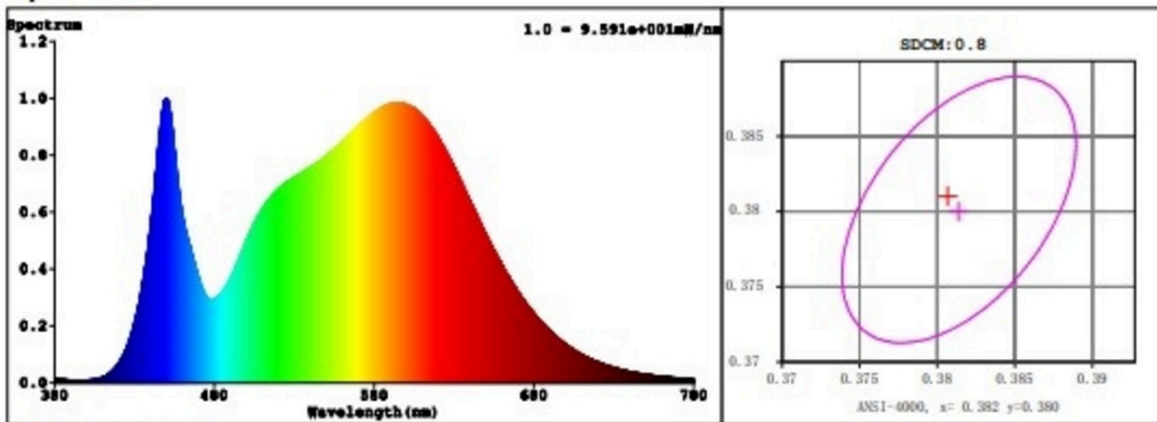
## Spectrum Test Report

Sample :	Date : 2023-04-01 18:11:12
Specification : LX200123	Sam. Status : 4000K
Sample No. : D06-01	Standard :
Manufacturer : ENOVATEK GMBH	Instrument : HaasSuite(EVERFINE)
Assessor : damin	
Remark :	Test by : 011
Device SN :	

### Test Condition

Temperature : 28.1 °C	RH : 65.0%
WL Range : 380nm-780nm	IP : 52656 (80%)
Test Mode : Fast Test High	T : 53 ms

### Spectrum



### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.3811$   $y = 0.3808$  /  $u' = 0.2239$   $v' = 0.5035$  ( $duv=1.68e-03$ )  $Dx, Dy: 0.0012, 0.0044$   
 CCT= 4012K Prcp WL:  $L_d=578.1nm$  Purity=28.7%  
 Peak WL:  $L_p=450nm$  FWHM: =24.7nm Ratio:R=18.3% G=78.1% B=3.6%  
 Render Index:  $R_a = 83.8$   $AvgR = 77.4$

R1 =82 R2 =89 R3 =95 R4 =83 R5 =82 R6 =85 R7 =87  
 R8 =66 R9 =12 R10=74 R11=83 R12=65 R13=84 R14=97 R15=76  
 LEVEL:OUT WHITE:ANSI\_4000K

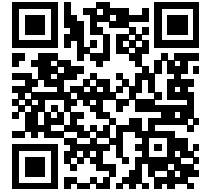
### Photometric & Radiometric Parameters

Flux = 5514.7 lm Eff. : 110.03 lm/W  $F_e = 16.821 W$   
 EEI: 0.12381 A+  
 EEC: 110.0 E

### Electrical parameters

V = 229.68 V I = 0.2228 A P = 50.12 W PF = 0.9796 F=50.00 Hz  
 Kdisp = 0.9835

Model placed on the Union market from 16/02/2023



**EPREL registration number:** 1480891

<https://eprel.ec.europa.eu/qr/1480891>

**Supplier:** ENOVATEK GmbH (Importer)

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