

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: LX500143

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
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	200	Energy efficiency class	F
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	20 000 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	4 000
On-mode power (P_{on}), expressed in W	200,0	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	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page
	Width		
	Depth		

parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power ^(a)	-	If yes, equivalent power (W)	-	
		Chromaticity coordinates (x and y)	0,380 0,380	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	80	Survival factor	-	
the lumen maintenance factor	0,70			
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ_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)	-	

(a) '-': not applicable;

(b) '-': not applicable;



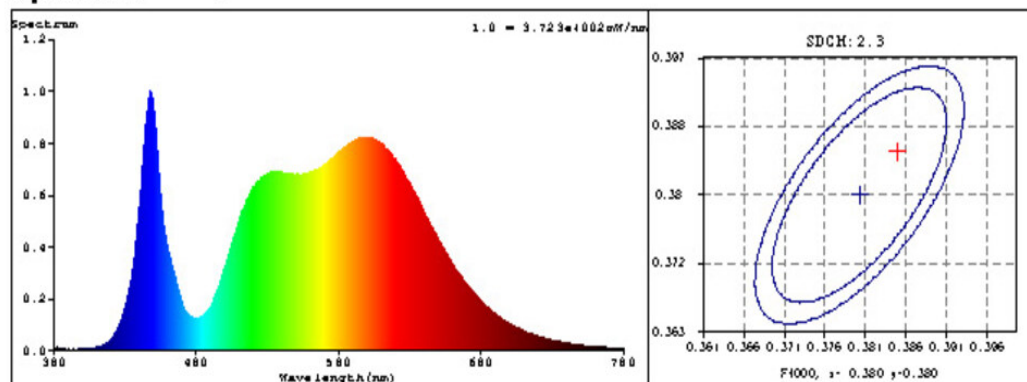
Spectrum Test Report

Sample	:	Date	: 2024-07-20 15:30:26
Specification	:	Sam. Status	:
Sample No.	LX500143	Standard	:
Manufacturer	:	Instrument	: HaasSuite(EVERFINE)
Assessor	: damin	Test by	: DAMIN
Remark	: --		

Test Condition

Temperature	: 25.3Deg	RH	: 65.0%
WL Range	: 380nm-780nm	IP	: 52011 (79%)
Test Mode	: Accuracy Test	T	: 150 ms

Spectrum : High



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3847$ $y = 0.3853$ / $u' = 0.2245$ $v' = 0.5059$ ($duv=2.75e-03$)

CCT= 3950K Prcp WL: $L_d=577.9nm$ Purity=31.1%

Peak WL: $L_p=448nm$ FWHM: $=17.9nm$ Ratio:R=18.5% G=78.9% B=2.6%

Render Index: $R_a = 81.9$

EEL: 0.14391 A+

R1=82 R2=85 R3=88 R4=84 R5=81 R6=80 R7=87

R8=68 R9=12 R10=64 R11=84 R12=55 R13=82 R14=93 R15=75

Photometric & Radiometric Parameters

Flux = 17855 lm Eff.: 94.66 lm/W $P_e = 53.135W$

Electrical parameters

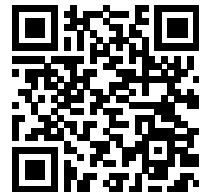
$V = 229.94V$ $I = 0.8255A$ $P = 188.6W$ PF = 0.9937 F=49.99 Hz

Kdisp(IEC) = 1.0000

EVERFINE CORPORATION

<http://www.everfine.cn>

Model placed on the Union market from 31/05/2024



EPREL registration number: 1997309

<https://eprel.ec.europa.eu/qr/1997309>

Supplier: ENOVATEK GmbH (Importer)

Website: www.enovatek.de

Customer care service:

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