

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: LX500123

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	E
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°)	24 000 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	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	78	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	118	
	Depth	1 076	
			See image in last page

parts and non-lighting control parts, if any (millimetre)			
Claim of equivalent power ^(a)	-	If yes, equivalent power (W)	-
		Chromaticity coordinates (x and y)	0,345 0,355
Parameters for LED and OLED light sources:			
R9 colour rendering index value	80	Survival factor	-
the lumen maintenance factor	-		
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)	0,9

(a)-: not applicable;

(b)-: not applicable;

Spectrum Test Report

Product Information

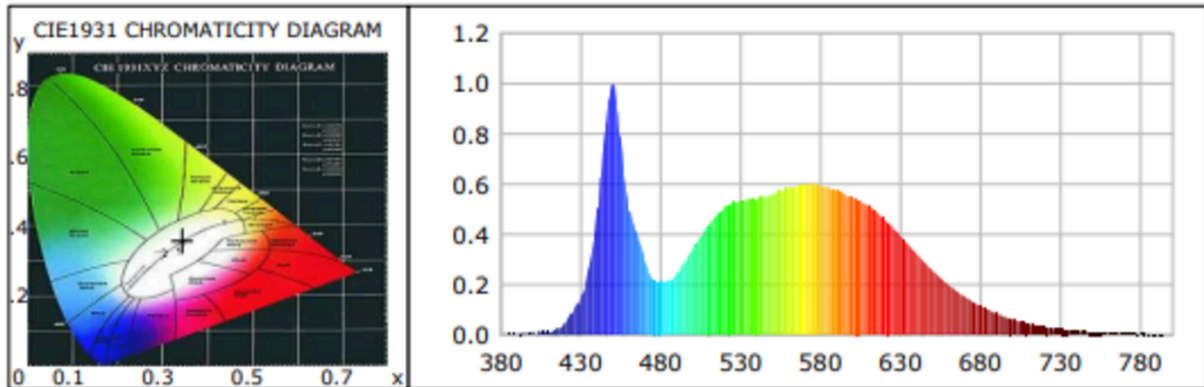
Product Type: LX500123
Product Number: 1

Product Spec: 5000K

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3423$ $y=0.3583$ $u(u')=0.2070$ $v=0.3250$ $v'=0.4875$
 CCT: $T_c=5128K$ ($duv=0.00448$) Color Ratio: $R=0.150$ $G=0.808$ $B=0.042$
 Peak Wavelength: 0nm Half Bandwidth: 19.9nm
 Dominant Wavelength: 567.7nm Color Purity: 0.102
 CRI: $R_i: R_a= 81.8$

R1 =81 R2 =82 R3 =82 R4 =88 R5 =81 R6 =75 R7 =90 R8 =75
 R9 =12 R10=56 R11=87 R12=49 R13=80 R14=90 R15=78



Photometric Parameters

Luminous Flux: 18008.6 lm Efficiency: 119.35 lm/W

Electric Parameters

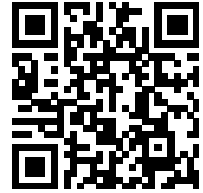
Voltage: 230.70V Current: 0.6580A Power: 150.890W
 Power Factor: 0.994 Frequency: 50.00Hz

Test Information

Scan Range: 380nm~800nm:1nm
 Stabilization Time: 0 Min
 Max of Signal: 12561 (37479)

Photometric Method:
 Photometric Condition: Sphere diameter: 1.00m, 4π
 CCD Integration Time: 69.88 ms

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



EPREL registration number: 1785511

<https://eprel.ec.europa.eu/qr/1785511>

Supplier: ENOVATEK GmbH (Importer)

Website: www.enovatek.de

Customer care service:

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