

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: LX-LHB-100-5000

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	100	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°)	12 400 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	662	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	95	
	Depth	53	
			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 0,352
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: H021EI-100W
Product Number: 1

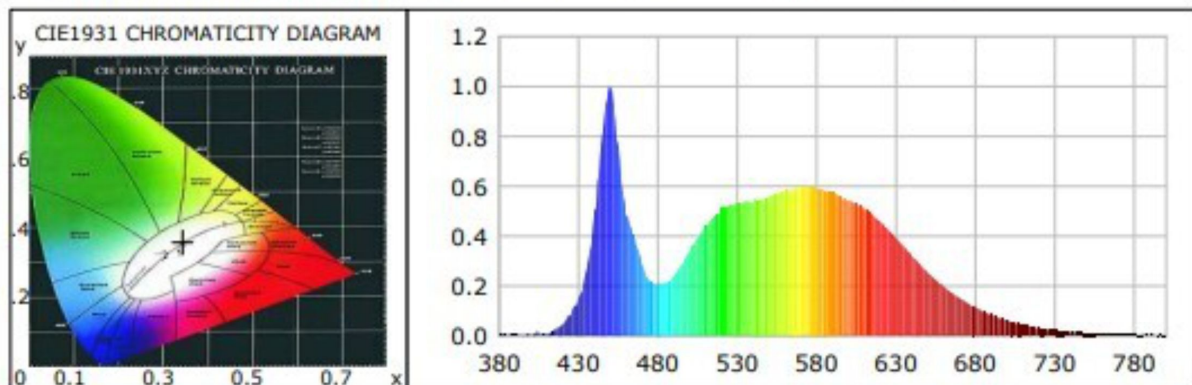
Product Spec: 5000K

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3427$ $y=0.3588$ $u(u')=0.2070$ $v=0.3252$ $v'=0.4878$
 CCT: $T_c=5114K$ ($duv=0.00456$) Color Ratio: $R=0.150$ $G=0.809$ $B=0.042$
 Peak Wavelength: 0nm Half Bandwidth: 19.7nm
 Dominant Wavelength: 585.7nm Color Purity: 0.105

CRI: Ri: Ra= 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=77	



Photometric Parameters

Luminous Flux: 11889.9 lm Efficiency: 118.84 lm/W

Electric Parameters

Voltage: 230.30V Current: 0.4375A Power: 100.050W
 Power Factor: 0.993 Frequency: 50.00Hz

Test Information

Scan Range: 380nm~800nm:1nm
 Stabilization Time: 0 Min
 Max of Signal: 12609 (37475)

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

Condition:
 Test Lab:
 Operator:

Test Device: Inventfine CMS-2S
 Test Time:
 Inspector:

Model placed on the Union market from 09/12/2022



EPREL registration number: 1425949

<https://eprel.ec.europa.eu/qr/1425949>

Supplier: ENOVATEK GmbH (Importer)

Website: www.enovatek.de

Customer care service:

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