

# 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-50-5000

## 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
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	50	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°)	6 200 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	50,0	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	332	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 <sup>(a)</sup>	-	If yes, equivalent power (W)	-
		Chromaticity coordinates (x and y)	0,345 0,352
<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

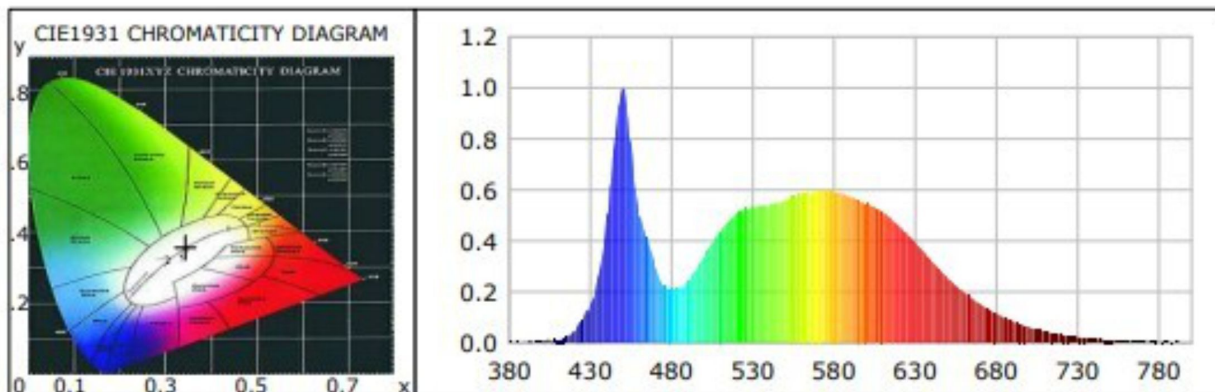
### Product Information

Product Type: H021I-50W  
Product Number: 1

Product Spec: 5000K

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3422$   $y=0.3582$   $u(u')=0.2070$   $v=0.3250$   $v'=0.4874$   
 CCT:  $T_c=5128K$  ( $duv=0.00444$ ) Color Ratio:  $R=0.150$   $G=0.808$   $B=0.042$   
 Peak Wavelength: 0nm Half Bandwidth: 20.0nm  
 Dominant Wavelength: 567.7nm Color Purity: 0.102  
 CRI:  $R_i$ :  $R_a=81.9$   
 $R_1=81$   $R_2=82$   $R_3=82$   $R_4=88$   $R_5=81$   $R_6=75$   $R_7=90$   $R_8=75$   
 $R_9=12$   $R_{10}=56$   $R_{11}=87$   $R_{12}=49$   $R_{13}=80$   $R_{14}=90$   $R_{15}=78$



### Photometric Parameters

Luminous Flux: 5913.3 lm Efficiency: 117.96 lm/W

### Electric Parameters

Voltage: 230.30V Current: 0.2190A Power: 50.130W  
 Power Factor: 0.994 Frequency: 50.00Hz

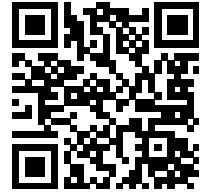
### Test Information

Scan Range: 380nm~800nm:1nm Photometric Method:  
 Stabilization Time: 0 Min Photometric Condition: Sphere diameter: 1.00m, 4π  
 Max of Signal: 12605 (37479) 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:** 1425890

<https://eprel.ec.europa.eu/qr/1425890>

**Supplier:** ENOVATEK GmbH (Importer)

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