

# 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:** LX500132

## 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                                                                  | 200                        | Energy efficiency class                                                                                                                                    | F                      |
| 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°) | 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 | 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                     | 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 <sup>(a)</sup>                                                                                | -    | If yes, equivalent power (W)          | -              |  |
|                                                                                                                         |      | Chromaticity coordinates (x and y)    | 0,345<br>0,355 |  |
| <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: LX500132

Product Spec: 5000K

## CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3504$   $y=0.3$

CCT:  $T_c=4862K$  ( $duv=0.00514$ )

Peak Wavelength: 450.7nm

Dominant Wavelength: 570.4nm

CRI: Ri: Ra= 81.5

R1 =79

R2 =87

R3 =93

R4 =80

R5 =79

R6 =82

R7 =88

R8 =66

R9 =3

R10=69

R11=78

R12=52

R13=81

R14=96

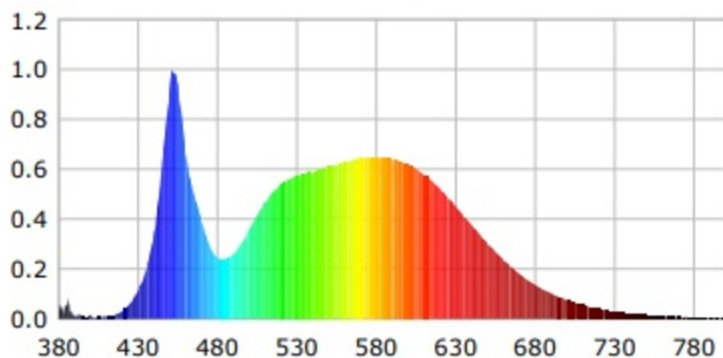
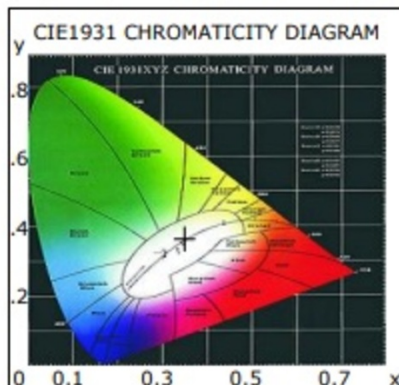
R15=73

$v=0.3283$   $v'=0.4924$

Color Ratio: R=0.156 G=0.802 B=0.042

Half Bandwidth: 22.0nm

Color Purity: 0.151



## Photometric Parameters

Luminous Flux: 9455.0 lm

Efficiency: 46.74 lm/W

Radiant Power: 28.825 W

## Electric Parameters

Voltage: 230.20V

Current: 0.8850A

Power: 202.300W

Power Factor: 0.993

Frequency: 50.00Hz

## Test Information

Scan Range: 380nm~800nm:1nm

Stabilization Time: 0 Sec

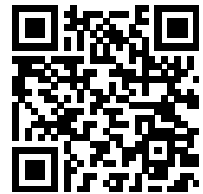
Max of Signal: 11587 (38185)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 1.00m, 4T

CCD Integration Time: 27.28 ms

Model placed on the Union market from 01/03/2024



**EPREL registration number:** 1864236

<https://eprel.ec.europa.eu/qr/1864236>

**Supplier:** ENOVATEK GmbH (Importer)

**Website:** [www.enovatek.de](http://www.enovatek.de)

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