

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: LX400125

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 | 20 | 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°) | 2 000 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 | 20,0 | 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 | 98 | Spectral power distribution in the range 250 nm to 800 nm, at full-load |
| | Width | 145 | |
| | Depth | 55 | |
| | | | 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) | 0,380 0,380 |
| 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;

Lightsource Test Report

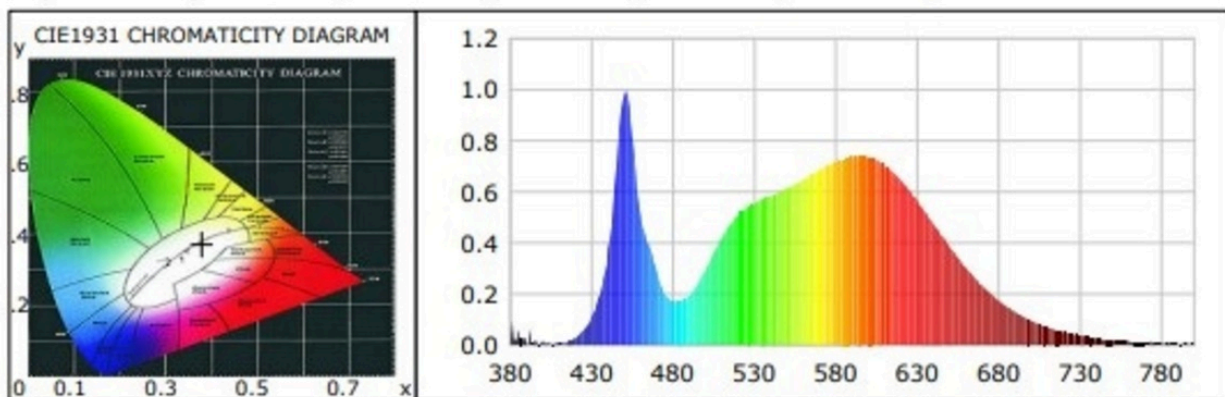
Product Information

Product Type: LX400125
Product Number: 2

Product Spec: 4000K

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3775$ $y=0.3730$ $u(u')=0.2246$ $v=0.3330$ $v'=0.4995$
CCT: $T_c=4055K$ ($duv=-0.00088$) Color Ratio: $R=0.182$ $G=0.786$ $B=0.032$
Peak Wavelength: 451.0nm Half Bandwidth: 17.6nm
Dominant Wavelength: 579.4nm Color Purity: 0.252
CRI: $R_a=81.8$ TM30: $R_f=80$, $R_g=96$
 $R_1=81$ $R_2=87$ $R_3=91$ $R_4=82$ $R_5=80$ $R_6=82$ $R_7=86$ $R_8=66$
 $R_9=9$ $R_{10}=69$ $R_{11}=80$ $R_{12}=56$ $R_{13}=82$ $R_{14}=95$ $R_{15}=76$
Color Quality Scale: $Q_a=80.9$, $Q_f=80.6$, $Q_p=82.2$, $Q_g=94.0$
 $Q_1=83$ $Q_2=98$ $Q_3=74$ $Q_4=72$ $Q_5=79$ $Q_6=82$ $Q_7=83$ $Q_8=88$
 $Q_9=96$ $Q_{10}=85$ $Q_{11}=82$ $Q_{12}=82$ $Q_{13}=83$ $Q_{14}=72$ $Q_{15}=76$



Photometric Parameters

Luminous Flux: 2104.11 lm
EEI: 0.13

Efficiency: 102.64 lm/W
Energy Efficiency Class: A+ (EU 874-2012)

Radiant Power: 6.395 W

Electric Parameters

Voltage: 231.00V
Power Factor: 0.7150

Current: 0.1240A
Frequency: 50.00Hz

Power: 20.50W

Test Information

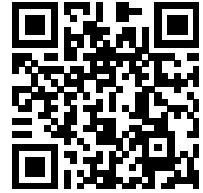
Scan Range: 380~800:1nm
Stabilization Time: 0 ms
Max of Signal: 20313 (37457)

Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 1.00m, 4f
CCD Integration Time: 212.00 ms

Condition: $T_x:0.0^\circ C$, $T_i:0.0^\circ C$, R.H.:60%
Test Lab:
Operator:

Test Device: Inventfine CMS-2S (Plus)
Test Time:
Inspector:

Model placed on the Union market from 03/04/2023



EPREL registration number: 1546309

<https://eprel.ec.europa.eu/qr/1546309>

Supplier: ENOVATEK GmbH (Importer)

Website: www.enovatek.de

Customer care service:

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