

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: LX400126

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 | 30 | 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°) | 3 000 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 | 30,0 | 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 | 143 | Spectral power distribution in the range 250 nm to 800 nm, at full-load |
| | Width | 180 | |
| | 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

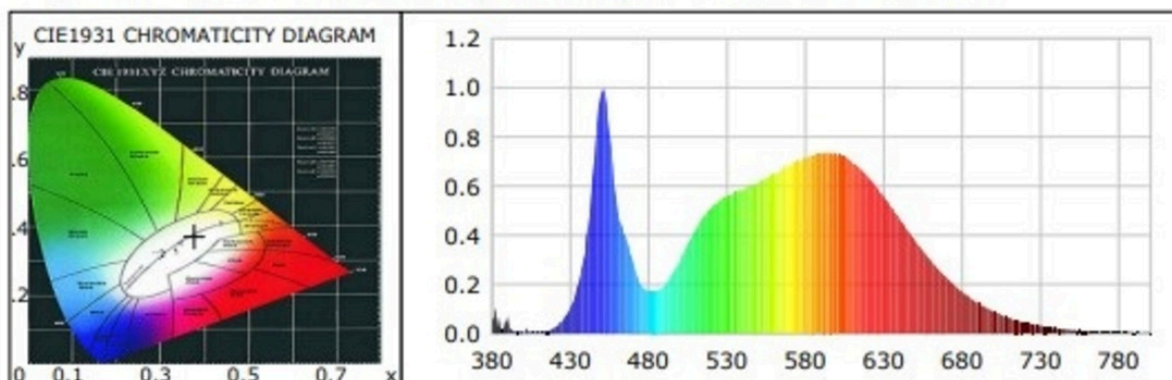
Product Information

Product Type: LX400126
Product Number: 3

Product Spec: 4000K

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3759$ $y=0.3729$ $u(u')=0.2237$ $v=0.3328$ $v'=0.4992$
CCT: $T_c=4099K$ ($duv=-0.00047$) Color Ratio: $R=0.180$ $G=0.788$ $B=0.033$
Peak Wavelength: 451.0nm Half Bandwidth: 17.8nm
Dominant Wavelength: 597.9nm Color Purity: 0.247
CRI: $R_a=81.7$ TM30: $R_f=80$, $R_g=96$
 $R1=80$ $R2=87$ $R3=91$ $R4=81$ $R5=80$ $R6=82$ $R7=86$ $R8=66$
 $R9=8$ $R10=68$ $R11=80$ $R12=55$ $R13=82$ $R14=95$ $R15=75$
Color Quality Scale: $Q_a=80.9$, $Q_f=80.6$, $Q_p=82.0$, $Q_g=93.7$
 $Q1=83$ $Q2=98$ $Q3=74$ $Q4=72$ $Q5=79$ $Q6=81$ $Q7=83$ $Q8=88$
 $Q9=96$ $Q10=85$ $Q11=82$ $Q12=82$ $Q13=83$ $Q14=72$ $Q15=76$



Photometric Parameters

Luminous Flux: 2911.27 lm
EEI: 0.15

Efficiency: 93.01 lm/W
Energy Efficiency Class: A+ (EU 874-2012)

Radiant Power: 8.821 W

Electric Parameters

Voltage: 231.00V
Power Factor: 0.9480

Current: 0.1430A
Frequency: 50.00Hz

Power: 31.30W

Test Information

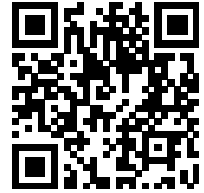
Scan Range: 380~800:1nm
Stabilization Time: 0 ms
Max of Signal: 10918 (37390)

Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 1.00m, 4T
CCD Integration Time: 83.16 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: 1546324

<https://eprel.ec.europa.eu/qr/1546324>

Supplier: ENOVATEK GmbH (Importer)

Website: www.enovatek.de

Customer care service:

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