

# Product Information Sheet

COMMISSION DELEGATED REGULATION (EU) 2019/2015 with regard to energy labelling of light sources

**Supplier's name or trade mark:** ENOVALITE

**Supplier's address:** ENOVATEK GmbH, Sillensteder Straße 213, 26441 Jever, DE

**Model identifier:** ELED400103

## 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  | 300                        | 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°) | 39 000 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   | 300,0                      | 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                     | 345  | Spectral power distribution in the range 250 nm to 800 nm, at full-load |
|  | Width                      | 463  |   |
|  | Depth                      | 51   |   |
|  |                            |  | 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)    | 0,380<br>0,380 |
| <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;

# Lightsource Test Report

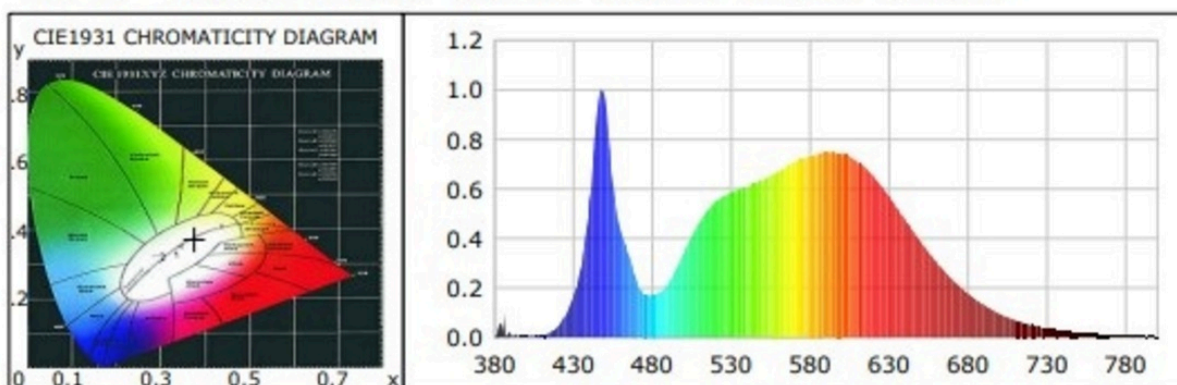
## Product Information

Product Type: ELED400103

Product Spec: 4000K

## CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3743$   $y=0.3739$   $u(u')=0.2222$   $v=0.3329$   $v'=0.4994$   
CCT:  $T_c=4151K$  ( $duv=0.00050$ ) Color Ratio:  $R=0.177$   $G=0.791$   $B=0.032$   
Peak Wavelength: 447.4nm Half Bandwidth: 18.2nm  
Dominant Wavelength: 578.2nm Color Purity: 0.246  
CRI:  $R_a=81.5$  TM30:  $R_f=80$ ,  $R_g=97$   
 $R_1=80$   $R_2=86$   $R_3=90$   $R_4=82$   $R_5=80$   $R_6=81$   $R_7=86$   $R_8=66$   
 $R_9=8$   $R_{10}=66$   $R_{11}=81$   $R_{12}=58$   $R_{13}=81$   $R_{14}=94$   $R_{15}=75$   
Color Quality Scale:  $Q_a=81.6$ ,  $Q_f=81.3$ ,  $Q_p=82.7$ ,  $Q_g=94.2$   
 $Q_1=82$   $Q_2=98$   $Q_3=76$   $Q_4=75$   $Q_5=81$   $Q_6=82$   $Q_7=84$   $Q_8=89$   
 $Q_9=96$   $Q_{10}=85$   $Q_{11}=83$   $Q_{12}=82$   $Q_{13}=83$   $Q_{14}=72$   $Q_{15}=76$



## Photometric Parameters

Luminous Flux: 35225.81 lm Efficiency: 118.89 lm/W Radiant Power: 106.826 W  
EEI: 0.11 Energy Efficiency Class: A+ (EU 874-2012)

## Electric Parameters

Voltage: 230.60V Current: 1.2920A Power: 296.30W  
Power Factor: 0.9930 Frequency: 50.00Hz

### Test Information

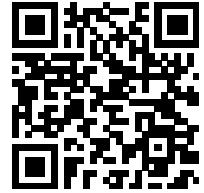
Scan Range: 380~800:1nm  
Stabilization Time: 0 ms  
Max of Signal: 16751 (38138)

Photometric Method: sphere-spectroradiometer  
Photometric Condition: Sphere diameter: 1.00m, 4T  
CCD Integration Time: 16.09 ms

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

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

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



**EPREL registration number:** 1546383

<https://eprel.ec.europa.eu/qr/1546383>

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