

# 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:** ELED400201

## 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	500	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°)	60 000 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	500,0	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	658	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	537	
	Depth	154	
			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 0,355
<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: ELED400201  
Product Number: 1

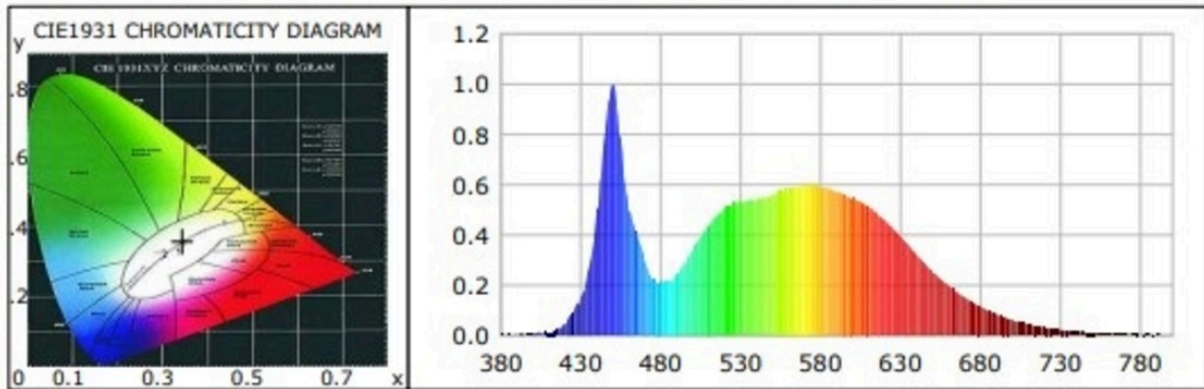
Product Spec: 5000K

## 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: Ri: Ra= 81.9

R1 =81	R2 =82	R3 =82	R4 =88	R5 =81	R6 =75	R7 =90	R8 =75
R9 =12	R10=56	R11=87	R12=49	R13=80	R14=90	R15=78	



## Photometric Parameters

Luminous Flux: 47877.74 lm

Efficiency: 119.17 lm/W

## Electric Parameters

Voltage: 230.70V

Current: 1.752A

Power: 401.76W

Power Factor: 0.994

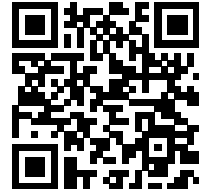
Frequency: 50.00Hz

## Test Information

Scan Range: 380nm~800nm:1nm  
Stabilization Time: 0 Min  
Max of Signal: 12605 (37479)

Photometric Method:  
Photometric Condition: Sphere diameter: 1.00m, 4π  
CCD Integration Time: 69.88 ms

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



**EPREL registration number:** 1546472

<https://eprel.ec.europa.eu/qr/1546472>

**Supplier:** ENOVATEK GmbH (Importer)

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