

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: ELED400101

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	150	Energy efficiency class	E
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°)	19 500 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	150,0	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	290	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	388	
	Depth	46	
			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: ELED400101

Product Spec: 4000K

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3753$ $y=0.3750$ $u(u')=0.2224$ $v=0.3334$ $v'=0.5000$

CCT: $T_c=4131K$ ($duv=0.00070$)

Color Ratio: $R=0.178$ $G=0.791$ $B=0.032$

Peak Wavelength: 447.4nm

Half Bandwidth: 18.3nm

Dominant Wavelength: 578.2nm

Color Purity: 0.252

CRI: $R_a=81.3$

TM30: $R_f=80$, $R_g=97$

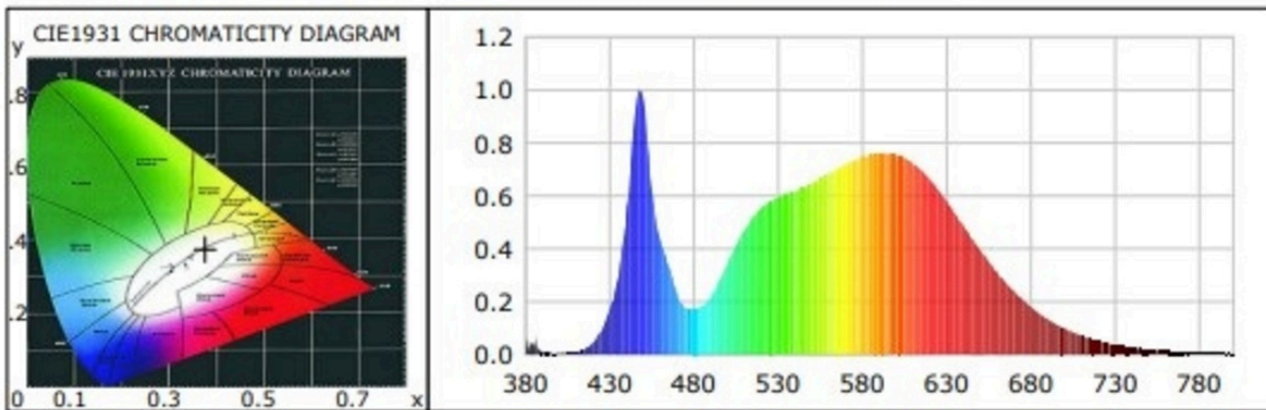
$R_1=80$ $R_2=86$ $R_3=90$ $R_4=82$ $R_5=80$ $R_6=81$ $R_7=86$ $R_8=66$

$R_9=7$ $R_{10}=66$ $R_{11}=81$ $R_{12}=58$ $R_{13}=81$ $R_{14}=94$ $R_{15}=74$

Color Quality Scale: $Q_a=81.5$, $Q_f=81.2$, $Q_p=82.6$, $Q_g=94.1$

$Q_1=82$ $Q_2=98$ $Q_3=76$ $Q_4=75$ $Q_5=81$ $Q_6=82$ $Q_7=84$ $Q_8=89$

$Q_9=96$ $Q_{10}=85$ $Q_{11}=83$ $Q_{12}=82$ $Q_{13}=83$ $Q_{14}=72$ $Q_{15}=76$



Photometric Parameters

Luminous Flux: 189133.02 lm Efficiency: 1241.03 lm/W Radiant Power: 572.743 W
EEI: 0.01 Energy Efficiency Class: A++ (EU 874-2012)

Electric Parameters

Voltage: 230.70V Current: 0.6640A Power: 152.40W
Power Factor: 0.9930 Frequency: 50.00Hz

Test Information

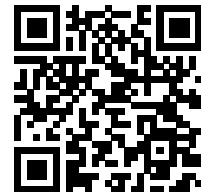
Scan Range: 380~800:1nm
Stabilization Time: 0 ms
Max of Signal: 17835 (38163)

Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 1.00m, 4[
CCD Integration Time: 30.22 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: 1546373

<https://eprel.ec.europa.eu/qr/1546373>

Supplier: ENOVATEK GmbH (Importer)

Website: www.enovatek.de

Customer care service:

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