

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: ELED400100

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	100	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°)	13 000 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	100,0	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	230	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	307	
	Depth	42	
			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

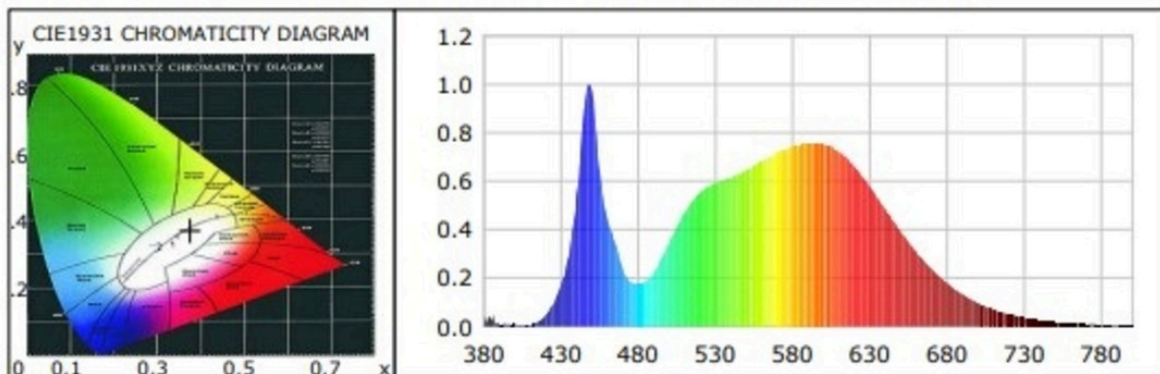
Product Information

Product Type: ELED400100

Product Spec: 4000K

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3744$ $y=0.3736$ $u(u')=0.2223$ $v=0.3329$ $v'=0.4993$
CCT: $T_c=4148K$ ($duv=0.00036$) Color Ratio: $R=0.178$ $G=0.790$ $B=0.032$
Peak Wavelength: 448.0nm Half Bandwidth: 18.7nm
Dominant Wavelength: 578.3nm Color Purity: 0.245
CRI: $R_a=81.5$ TM30: $R_f=80$, $R_g=97$
 $R1=80$ $R2=86$ $R3=90$ $R4=82$ $R5=80$ $R6=81$ $R7=86$ $R8=66$
 $R9=8$ $R10=67$ $R11=81$ $R12=58$ $R13=81$ $R14=94$ $R15=75$
Color Quality Scale: $Q_a=81.5$, $Q_f=81.2$, $Q_p=82.7$, $Q_g=94.2$
 $Q1=82$ $Q2=98$ $Q3=76$ $Q4=75$ $Q5=81$ $Q6=82$ $Q7=84$ $Q8=89$
 $Q9=96$ $Q10=85$ $Q11=83$ $Q12=82$ $Q13=83$ $Q14=72$ $Q15=76$



Photometric Parameters

Luminous Flux: 12135.36 lm Efficiency: 119.56 lm/W Radiant Power: 36.805 W
EEI: 0.11 Energy Efficiency Class: A+ (EU 874-2012)

Electric Parameters

Voltage: 230.70V Current: 0.4420A Power: 101.50W
Power Factor: 0.9930 Frequency: 50.00Hz

Test Information

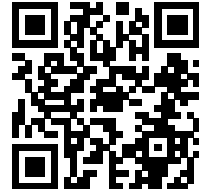
Scan Range: 380~800:1nm
Stabilization Time: 0 ms
Max of Signal: 17178 (38178)

Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 1.00m, 4π
CCD Integration Time: 41.84 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: 1546366

<https://eprel.ec.europa.eu/qr/1546366>

Supplier: ENOVATEK GmbH (Importer)

Website: www.enovatek.de

Customer care service:

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