

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: ELED500120

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	50	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°)	6 000 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	50,0	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	295	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	115	
	Depth	105	
			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)	0,343 0,386
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;

Spectrum Test Report

Product Information

Product Type: H018E-50W
Product Number: 1

Product Spec: 5000K

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3425$ $y=0.3585$ $u(u')=0.2070$ $v=0.3251$ $v'=0.4876$
CCT: $T_c=5118K$ ($duv=0.00448$) Color Ratio: $R=0.150$ $G=0.808$ $B=0.042$

Peak Wavelength: 0nm

Half Bandwidth: 19.9nm

Dominant Wavelength: 567.9nm

Color Purity: 0.104

CRI: Ri: Ra= 81.8

R1 =81 R2 =82

R3 =82

R4 =88

R5 =81

R6 =75

R7 =90

R8 =75

R9 =12

R10=56

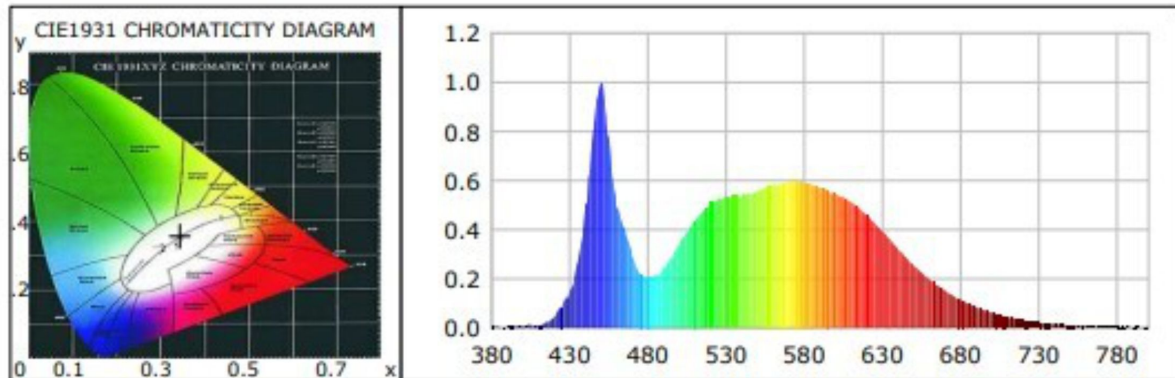
R11=87

R12=49

R13=80

R14=90

R15=78



Photometric Parameters

Luminous Flux: 5949.6 lm

Efficiency: 118.28 lm/W

Electric Parameters

Voltage: 230.70V

Current: 0.2190A

Power: 50.300W

Power Factor: 0.993

Frequency: 50.00Hz

Test Information

Scan Range: 380nm~800nm:1nm

Stabilization Time: 0 Min

Max of Signal: 12579 (37476)

Photometric Method:

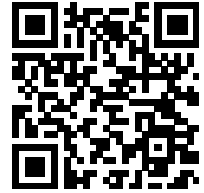
Photometric Condition: Sphere diameter: 1.00m, 4T

CCD Integration Time: 69.88 ms

Condition: _____
Test Lab _____
Operator: _____

Test Device: Inventfine CMS-2S
Test Time: _____
Inspector: _____

Model placed on the Union market from 09/12/2022



EPREL registration number: 1785271

<https://eprel.ec.europa.eu/qr/1785271>

Supplier: ENOVATEK GmbH (Importer)

Website: www.enovatek.de

Customer care service:

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