

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: ELED600801

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
Light source cap-type (or other electric interface)	SMD		
Mains or non-mains:	MLS	Connected light source (CLS):	No
Colour-tuneable light source:	No	Envelope:	-
High luminance light source:	Yes		
Anti-glare shield:	Yes	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	21	Energy efficiency class	B
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°)	4 200 in Narrow cone (90°)	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	6 000
On-mode power (P_{on}), expressed in W	21,0	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	32	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	620	
	Depth	620	
			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)	0,313 0,337
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)	0,95	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

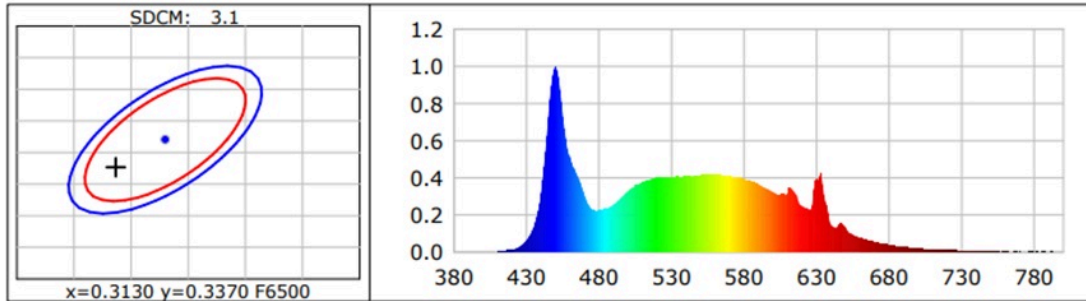
Product Type: 620-620-21W-6000K-模组

Product Number: 2

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3087$ $y=0.3326$ $u(u')=0.1937$ $v=0.3131$ $v'=0.4697$
 CCT: $T_c=6694K$ ($duv=0.00708$) Color Ratio: $R=0.130$ $G=0.812$ $B=0.058$
 Peak Wavelength: 449.9nm Half Bandwidth: 17.9nm
 Dominant Wavelength: 491.4nm Color Purity: 0.084
 CRI: $R_a=83.3$ TM30: $R_f=84$, $R_g=93$
 GAI: $GAI_BB_8=87.8$, $GAI_BB_15=93.5$, $GAI_EES=86.0$

R1 =80	R2 =88	R3 =93	R4 =82	R5 =81	R6 =83	R7 =89	R8 =71
R9 =10	R10=71	R11=81	R12=56	R13=82	R14=96	R15=75	
Color Quality Scale: $Q_a=83.1$, $Q_f=83.3$, $Q_p=82.5$, $Q_g=90.7$							
Q1 =83	Q2 =98	Q3 =80	Q4 =75	Q5 =81	Q6 =83	Q7 =86	Q8 =90
Q9 =97	Q10=89	Q11=86	Q12=85	Q13=84	Q14=73	Q15=77	



Photometric Parameters

Luminous Flux: 4282.5 lm Efficiency: 200.87 lm/W Radiant Power: 13.348 W
 Total mains efficacy: 186.00 lm/W Energy Efficiency Class: B (EU 2019/2015)

Electric Parameters

Voltage: 32.80V Current: 0.6500A Power: 21.32W
 Power Factor: 1.0000 Frequency: 0.00Hz

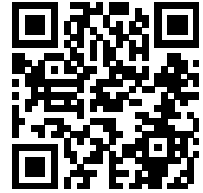
Test Information

Scan Range: 380~800:1nm	Photometric Method: sphere-spectroradiometer
Stabilization Time: 6 Sec ALC.: 1.0000	Photometric Condition: Sphere diameter: 2.00m, 4T
Max of Signal: 47024 (1696)	CCD Integration Time: 317.30 ms

Condition: Tx:9.8°C, Ti:8.9°C, R.H.:60%
 Test Lab:
 Operator:

Test Device: Inventfine CMS-2S (Plus)
 Test Time: 2024-02-24 10:47:25
 Inspector:

Model placed on the Union market from 10/10/2023



EPREL registration number: 1804904

<https://eprel.ec.europa.eu/qr/1804904>

Supplier: ENOVATEK GmbH (Importer)

Website: www.enovatek.de

Customer care service:

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