

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: ELED600800

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	4 000
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)	0,376 0,371
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

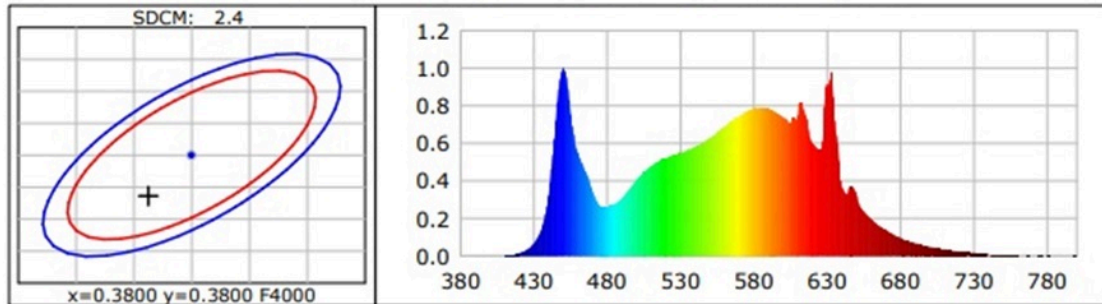
Product Information

Product Type: 620-620-21W-4000K-模组

Product Number: 1

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3763$ $y=0.3736$ $u(u')=0.2236$ $v=0.3330$ $v'=0.4996$
 CCT: $T_c=4094K$ ($duv=-0.00024$) Color Ratio: $R=0.180$ $G=0.781$ $B=0.039$
 Peak Wavelength: 450.0nm Half Bandwidth: 19.5nm
 Dominant Wavelength: 578.8nm Color Purity: 0.250
 CRI: $R_a=83.0$ TM30: $R_f=83$, $R_g=94$
 GAI: $GAI_BB_8=90.9$, $GAI_BB_15=98.0$, $GAI_EES=72.7$
 R1 =81 R2 =90 R3 =96 R4 =81 R5 =81 R6 =86 R7 =85 R8 =64
 R9 =8 R10=76 R11=80 R12=62 R13=83 R14=98 R15=75
 Color Quality Scale: $Q_a=82.5$, $Q_f=82.9$, $Q_p=82.0$, $Q_g=91.7$
 Q1 =81 Q2 =97 Q3 =80 Q4 =76 Q5 =81 Q6 =83 Q7 =85 Q8 =89
 Q9 =98 Q10=90 Q11=86 Q12=84 Q13=83 Q14=73 Q15=76



Photometric Parameters

Luminous Flux: 4311.9 lm Efficiency: 202.25 lm/W Radiant Power: 12.537 W
 Total mains efficacy: 187.28 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

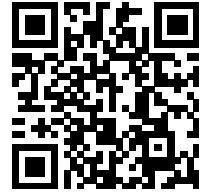
Test Information

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: 47985 (1743) CCD Integration Time: 547.41 ms

Condition: $T_x:9.6^{\circ}C$, $T_i:8.9^{\circ}C$, R.H.:60%
 Test Lab:
 Operator:

Test Device: Inventfine CMS-2S (Plus)
 Test Time: 2024-02-24 10:43:30
 Inspector:

Model placed on the Union market from 28/09/2023



EPREL registration number: 1785637

<https://eprel.ec.europa.eu/qr/1785637>

Supplier: ENOVATEK GmbH (Importer)

Website: www.enovatek.de

Customer care service:

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