

# Product Information Sheet

COMMISSION DELEGATED REGULATION (EU) 2019/2015 with regard to energy labelling of light sources

**Supplier's name or trade mark:** ENOVA

**Supplier's address:** ENOVATEK GmbH, Sillensteder Straße 213, 26441 Jever, DE

**Model identifier:** ELED 600120

## 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:	No		
Anti-glare shield:	Yes	Dimmable:	No

## Product parameters

Parameter	Value	Parameter	Value
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	36	Energy efficiency class	E
Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	4 320 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	36,0	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	620	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	620	
	Depth	9	
			See image in last page

parts and non-lighting control parts, if any (millimetre)			
Claim of equivalent power <sup>(a)</sup>	-	If yes, equivalent power (W)	-
		Chromaticity coordinates (x and y)	0,382 0,385
<b>Parameters for LED and OLED light sources:</b>			
R9 colour rendering index value	80	Survival factor	-
the lumen maintenance factor	-		
<b>Parameters for LED and OLED mains light sources:</b>			
displacement factor (cos $\phi_1$ )	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

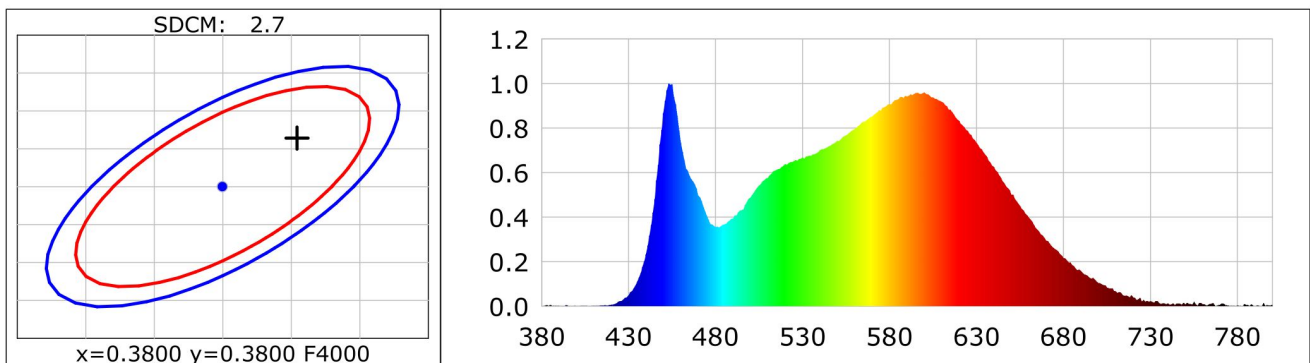
## Product Information

Product Type: 620-620-36W-4000K

Product Number: 1

## CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3854$   $y=0.3864$   $u(u')=0.2245$   $v=0.3377$   $v'=0.5065$   
CCT:  $T_c=3939K$  ( $duv=0.00303$ ) Color Ratio:  $R=0.186$   $G=0.773$   $B=0.040$   
Peak Wavelength: 453.4nm Half Bandwidth: 24.8nm  
Dominant Wavelength: 577.8nm Color Purity: 0.317  
Central Wave: 457.6nm Gravity Wave: 456.1nm  
CRI:  $R_a=84.6$  TM30:  $R_f=84$ ,  $R_g=93$   
GAI:  $GAI\_BB\_8=86.8$ ,  $GAI\_BB\_15=94.8$ ,  $GAI\_EES=67.6$   
R1 =83 R2 =92 R3 =96 R4 =82 R5 =83 R6 =90 R7 =85 R8 =65  
R9 =13 R10=82 R11=82 R12=63 R13=86 R14=99 R15=76  
Color Quality Scale:  $Q_a=84.7$ ,  $Q_f=85.2$ ,  $Q_p=82.6$ ,  $Q_g=90.4$   
Q1 =80 Q2 =96 Q3 =86 Q4 =80 Q5 =82 Q6 =83 Q7 =86 Q8 =90  
Q9 =97 Q10=94 Q11=91 Q12=88 Q13=86 Q14=75 Q15=77



## Photometric Parameters

Luminous Flux: 4495.0 lm Efficiency: 120.44 lm/W Radiant Power: 13.452 W  
Total mains efficacy: 120.44 lm/W Energy Efficiency Class: E (EU 2019/2015)  
Auxiliary lamp correction factor: 0.90

## Electric Parameters

Voltage: 230.50V Current: 0.1680A Power: 37.32W  
Power Factor: 0.9660 Frequency: 49.99Hz

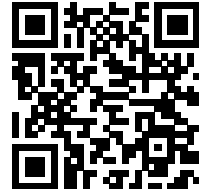
## Test Information

Scan Range: 380~800:1nm Photometric Method: sphere-spectroradiometer  
Stabilization Time: 0 Min ALC.: 0.9000 Photometric Condition: Sphere diameter: 2.00m, 4T  
Max of Signal: 47028 (3789) CCD Integration Time: 1373.76 ms

Condition: Tx:22.4'C, Ti:19.5'C, R.H.:60%  
Test Lab:  
Operator:

Test Device: CMS-2S (Plus)  
Test Time: 2022-08-30 16:25:18  
Inspector:

Model placed on the Union market from 05/09/2022



**EPREL registration number:** 1347039

<https://eprel.ec.europa.eu/qr/1347039>

**Supplier:** ENOVATEK GmbH (Importer)

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