

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 600220

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
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	36	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°)	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	295	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	1 195	
	Depth	9	
			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)	0,379 0,383
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

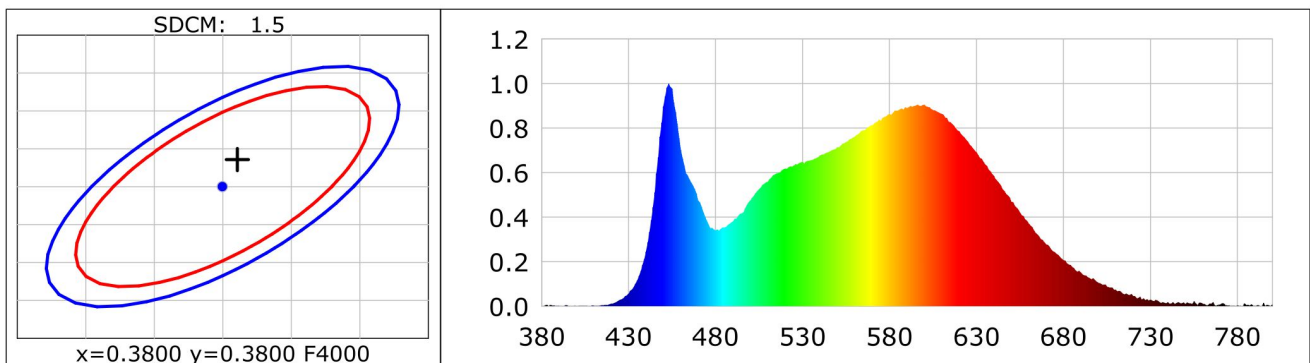
Product Information

Product Type: 295-1195-36W-4000K

Product Number: 1

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3811$ $y=0.3836$ $u(u')=0.2228$ $v=0.3364$ $v'=0.5046$
CCT: $T_c=4032K$ ($duv=0.00297$) Color Ratio: $R=0.183$ $G=0.776$ $B=0.041$
Peak Wavelength: 453.1nm Half Bandwidth: 24.4nm
Dominant Wavelength: 577.4nm Color Purity: 0.295
Central Wave: 457.0nm Gravity Wave: 455.7nm
CRI: $R_a=84.7$ TM30: $R_f=84$, $R_g=93$
GAI: $GAI_{BB_8}=87.3$, $GAI_{BB_15}=95.1$, $GAI_{EES}=69.3$
R1 =83 R2 =92 R3 =97 R4 =82 R5 =83 R6 =89 R7 =85 R8 =65
R9 =14 R10=82 R11=82 R12=63 R13=86 R14=99 R15=77
Color Quality Scale: $Q_a=84.8$, $Q_f=85.2$, $Q_p=82.8$, $Q_g=90.7$
Q1 =81 Q2 =96 Q3 =85 Q4 =80 Q5 =82 Q6 =84 Q7 =86 Q8 =91
Q9 =97 Q10=94 Q11=90 Q12=88 Q13=87 Q14=75 Q15=77



Photometric Parameters

Luminous Flux: 4274.7 lm Efficiency: 121.72 lm/W Radiant Power: 12.870 W
Total mains efficacy: 121.72 lm/W Energy Efficiency Class: E (EU 2019/2015)
Auxiliary lamp correction factor: 0.90

Electric Parameters

Voltage: 230.30V Current: 0.1560A Power: 35.12W
Power Factor: 0.9750 Frequency: 49.99Hz

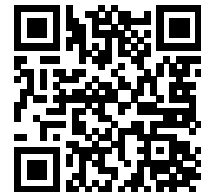
Test Information

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: 48160 (3775) CCD Integration Time: 1501.83 ms

Condition: $T_x:21.7^\circ C$, $T_i:20.6^\circ C$, R.H.:60%
Test Lab:
Operator:

Test Device: CMS-2S (Plus)
Test Time: 2022-08-29 08:18:56
Inspector:

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



EPREL registration number: 1347389

<https://eprel.ec.europa.eu/qr/1347389>

Supplier: ENOVATEK GmbH (Importer)

Website: www.enovatek.de

Customer care service:

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