

Product Information Sheet

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

Supplier's name or trade mark: LUXULA

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

Model identifier: LX300242

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:	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	12	Energy efficiency class	F
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°)	1 080 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	4 500
On-mode power (P_{on}), expressed in W	12,0	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	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page
	Width		
	Depth		

parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power ^(a)	-	If yes, equivalent power (W)	-	
		Chromaticity coordinates (x and y)	0,380 0,380	
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)	0,70	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)	0,4	

(a) '-': not applicable;

(b) '-': not applicable;

Lightsource Test Report

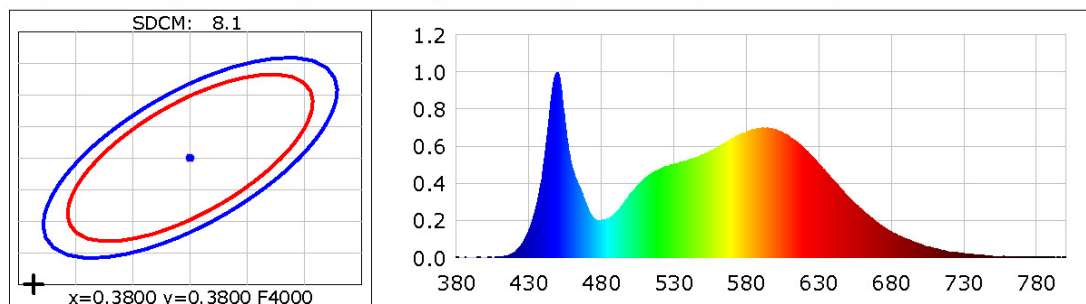
Product Information

Product Type: C 12W 4500K

Product Number: 3

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3663$ $y=0.3589$ $u(u')=0.2229$ $v=0.3275$ $v'=0.4913$
 CCT: $T_c=4291K$ ($duv=-0.00422$) Color Ratio: $R=0.178$ $G=0.783$ $B=0.038$
 Peak Wavelength: 449.6nm Half Bandwidth: 19.4nm
 Dominant Wavelength: 581.2nm Color Purity: 0.176
 Central Wave: 450.0nm Gravity Wave: 450.0nm
 CRI: $R_a=83.5$ TM30: $R_f=83$, $R_g=97$
 GAI: $GAI_BB_8=98.1$, $GAI_BB_15=103.6$, $GAI_EES=81.6$
 R1 =83 R2 =89 R3 =93 R4 =83 R5 =83 R6 =85 R7 =85 R8 =66
 R9 =11 R10=74 R11=83 R12=64 R13=84 R14=97 R15=78
 Color Quality Scale: $Q_a=81.5$, $Q_f=81.1$, $Q_p=83.0$, $Q_g=94.6$
 Q1 =83 Q2 =98 Q3 =76 Q4 =74 Q5 =81 Q6 =84 Q7 =86 Q8 =89
 Q9 =97 Q10=86 Q11=82 Q12=81 Q13=81 Q14=72 Q15=76



Photometric Parameters

Luminous Flux: 1759.1 lm Efficiency: 138.51 lm/W Radiant Power: 5.405 W
 Total mains efficacy: 138.51 lm/W Energy Efficiency Class: D (EU 2019/2015)

Electric Parameters

Voltage: 230.00V Current: 0.0970A Power: 12.70W
 Power Factor: 0.5630 Frequency: 50.00Hz

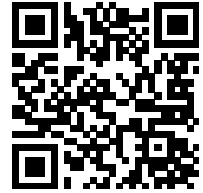
Test Information

Scan Range: 380~800:1nm Photometric Method: sphere-spectroradiometer
 Stabilization Time: 0 Min ALC.: 1.0000 Photometric Condition: Sphere diameter: 1.50m, 4IT
 Max of Signal: 45926 (2725) CCD Integration Time: 229.47 ms

Condition: Tx:29.2°C, Ti:28.7°C, R.H.:60%
 Test Lab:
 Operator:

Test Device: CMS-2S (Plus)
 Test Time: 2024-07-22 14:17:23
 Inspector:

Model placed on the Union market from 01/10/2024



EPREL registration number: 2098329

<https://eprel.ec.europa.eu/qr/2098329>

Supplier: ENOVATEK GmbH (Importer)

Website: www.enovatek.de

Customer care service:

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