

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: LX300121

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:	Yes	Envelope:	-
High luminance light source:	No		
Anti-glare shield:	No	Dimmable:	No

Product parameters

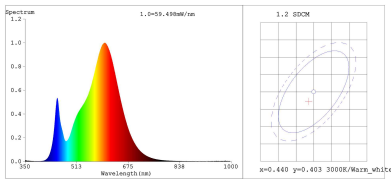
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	24	Energy efficiency class	F
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	2 565 in Sphere (360°)	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	3 000 or 4 000 or 6 500
On-mode power (P_{on}), expressed in W	24,0	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	240	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	240	
	Depth	32	
			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)	0,440 0,403
Parameters for LED and OLED light sources:			
R9 colour rendering index value	24	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)	0,9

(a)-: not applicable;

(b)-: not applicable;

Spectrum Test Report



Color Parameters:
 Chromaticity Coordinate: $x=0.4386$ $y=0.4002$ $u^*=0.2533$ $v^*=0.5201$
 CCT=29418 (Duv=-0.0017) Dominant Wavelength=693.7nm Purity=51.8%
 Ratio: R=23.000% G=74.516% B=2.484% Peak Wavelength=600.7nm FWHM=114.5nm
 Rander Index: Ra=79.9 AvgR=74.3 TM30:Rf=79 Rg=96
 R1 =78 R2 =90 R3 =95 R4 =77 R5 =79 R6 =88 R7 =80
 R8 =53 R9 =0 R10=78 R11=76 R12=71 R13=81 R14=98 R15=70

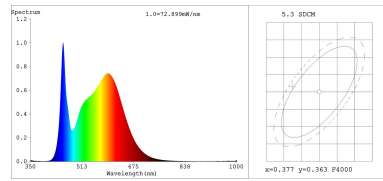
Photo Parameters:
 Flux = 2806 lm Eff. : 123.76 lm/W P_e = 8.453 W

Electrical parameters:
 V = 230.32 V I = 0.1102 A P = 22.67 W PF = 0.8927
 LEVEL:OUT WHITE:ANSI_3000K

Status: Integral T = 8 ms Ip = 36693 (56%)

Number: Stable 24W 3000K LED
 Module
 Date: 2023-03-10 09:53:15
 Temperature: Deg Humidity: 55.0%
 Manufacturer: Remarks:

Spectrum Test Report



Color Parameters:
 Chromaticity Coordinate: $x=0.3689$ $y=0.3648$ $u^*=0.2222$ $v^*=0.4945$
 CCT=42500 (Duv=-0.0022) Dominant Wavelength=579.6nm Purity=20.1%
 Ratio: R=18.012% G=77.783% B=4.205% Peak Wavelength=452.3nm FWHM=21.3nm
 Rander Index: Ra=85.1 AvgR=79.2 TM30:Rf=83 Rg=96
 R1 =84 R2 =92 R3 =96 R4 =83 R5 =84 R6 =88 R7 =86
 R8 =67 R9 =16 R10=81 R11=83 R12=64 R13=87 R14=98 R15=79

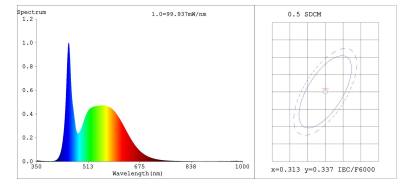
Photo Parameters:
 Flux = 3122 lm Eff. : 141.77 lm/W P_e = 9.707 W

Electrical parameters:
 V = 230.32 V I = 0.1075 A P = 22.02 W PF = 0.8896
 LEVEL:OUT WHITE:ANSI_4000K

Status: Integral T = 8 ms Ip = 35211 (54%)

Number: Stable 24W 4000K LED
 Module
 Date: 2023-03-10 09:56:07
 Temperature: Deg Humidity: 65.0%
 Manufacturer: Remarks:

Spectrum Test Report



Color Parameters:
 Chromaticity Coordinate: $x=0.3130$ $y=0.3379$ $u^*=0.1948$ $v^*=0.4730$
 CCT=64258 (Duv=0.0075) Dominant Wavelength=491.6nm Purity=6.6%
 Ratio: R=12.954% G=81.514% B=5.532% Peak Wavelength=451.2nm FWHM=21.0nm
 Rander Index: Ra=81.8 AvgR=73.9 TM30:Rf=81 Rg=93
 R1 =79 R2 =86 R3 =92 R4 =81 R5 =80 R6 =82 R7 =88
 R8 =67 R9 =0 R10=68 R11=80 R12=57 R13=81 R14=96 R15=73

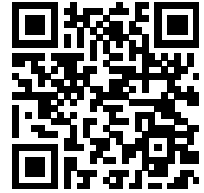
Photo Parameters:
 Flux = 3067 lm Eff. : 132.82 lm/W P_e = 9.757 W

Electrical parameters:
 V = 230.25 V I = 0.1123 A P = 23.09 W PF = 0.8931
 LEVEL:OUT WHITE:ANSI_6500K

Status: Integral T = 8 ms Ip = 47947 (73%)

Number: Stable 24W 6000K LED
 Module
 Date: 2023-03-10 09:55:33
 Temperature: Deg Humidity: 65.0%
 Manufacturer: Remarks:

Model placed on the Union market from 24/03/2023



EPREL registration number: 1535631

<https://eprel.ec.europa.eu/qr/1535631>

Supplier: ENOVATEK GmbH (Importer)

Website: www.enovatek.de

Customer care service:

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