

# 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:** Datenblatt\_LX300111

## 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

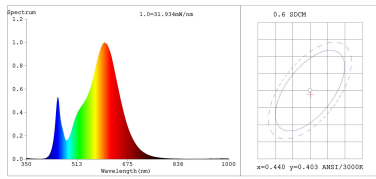
Parameter	Value	Parameter	Value
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	12	Energy efficiency class	F
Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	1 190 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	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	170	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	170	
	Depth	32	
			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)	0,440 0,403
<b>Parameters for LED and OLED light sources:</b>			
R9 colour rendering index value	24	Survival factor	-
the lumen maintenance factor	-		
<b>Parameters for LED and OLED mains light sources:</b>			
displacement factor (cos $\phi_1$ )	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=0.4401 y=0.4020/u\*=0.2535 v\*=0.5210  
 CCT=2931K (Duv=-0.0013) Dominant Wl: 458.6nm Purity=52.7%  
 Ratio: R=23.037% G=74.550% B=2.414% Peak Wl: 459.7nm FWHM=115.2nm  
 Render Index: Ra=79.9 AvgR=74.2 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 = 1507 lm Eff. : 124.18 lm/W Fe = 4.525 W

Electrical parameters:

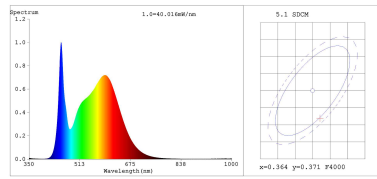
V = 230.23 V I = 0.06525 A P = 12.13 W PF = 0.8064  
 LEVEL:OUT WHITE:ANSI\_3000K

Status: Integral T = 20 ms Ip = 49083 (75%)

Number: Stable 3000K LED  
 Module  
 Date: 2023-03-17 10:36:23  
 Humidity: 65.0%  
 Remarks:

Tester:  
 Temperature: Deg  
 Manufacturer:

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: x=0.3663 y=0.3626/u\*=0.2214 v\*=0.4931  
 CCT=4315K (Duv=-0.0024) Dominant Wl: 457.5nm Purity=18.7%  
 Ratio: R=17.770% G=77.945% B=4.285% Peak Wl: 452.3nm FWHM=21.1nm  
 Render Index: Ra=84.5 AvgR=78.0 TM30:Rf=82 Rg=95  
 R1=84 R2=92 R3=95 R4=83 R5=84 R6=88 R7=85  
 R8=66 R9=13 R10=80 R11=82 R12=63 R13=86 R14=98 R15=78

Photo Parameters:

Flux = 1664 lm Eff. : 143.24 lm/W Fe = 5.171 W

Electrical parameters:

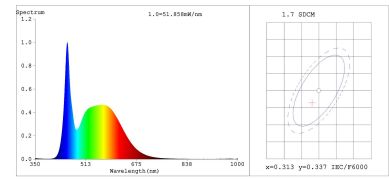
V = 230.23 V I = 0.06332 A P = 11.62 W PF = 0.7965  
 LEVEL:OUT WHITE:ANSI\_4500K

Status: Integral T = 20 ms Ip = 48570 (74%)

Number: Stable 4000K LED  
 Module  
 Date: 2023-03-17 10:36:50  
 Humidity: 65.0%  
 Remarks:

Tester:  
 Temperature: Deg  
 Manufacturer:

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: x=0.3111 y=0.3334/u\*=0.1951 v\*=0.4704  
 CCT=6560K (Duv=0.0063) Dominant Wl: 491.8nm Purity=7.5%  
 Ratio: R=12.916% G=81.258% B=5.826% Peak Wl: 452.3nm FWHM=22.5nm  
 Render Index: Ra=82.1 AvgR=74.3 TM30:Rf=81 Rg=92  
 R1=79 R2=88 R3=93 R4=80 R5=80 R6=83 R7=87  
 R8=66 R9=0 R10=71 R11=79 R12=67 R13=82 R14=86 R15=74

Photo Parameters:

Flux = 1566 lm Eff. : 129.85 lm/W Fe = 5.010 W

Electrical parameters:

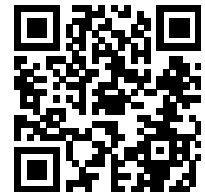
V = 230.27 V I = 0.06494 A P = 12.06 W PF = 0.8052  
 LEVEL:OUT WHITE:ANSI\_6500K

Status: Integral T = 16 ms Ip = 50409 (77%)

Number: Stable 6000K LED  
 Module  
 Date: 2023-03-17 10:37:15  
 Humidity: 65.0%  
 Remarks:

Tester:  
 Temperature: Deg  
 Manufacturer:

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



**EPREL registration number:** 1535528

<https://eprel.ec.europa.eu/qr/1535528>

**Supplier:** ENOVATEK GmbH (Importer)

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