

# 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, Am Bullhamm 37, 26441 Jever, DE

**Model identifier:** LX0601SI

## Type of light source:

Lighting technology used:	LED	Non-directional or directional:	DLS
Light source cap-type (or other electric interface)	SMD		
Mains or non-mains:	MLS	Connected light source (CLS):	Nein
Colour-tuneable light source:	Nein	Envelope:	-
High luminance light source:	Nein		
Anti-glare shield:	Nein	Dimmable:	Yes

## 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	G
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°)	500 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	3 100 or 4 000 or 5 400
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	Height	420	Spectral power distribution in the See image in last page
	Width	425	
	Depth	150	

separate control gear, lighting control parts and non-lighting control parts, if any (millimetre)			range 250 nm to 800 nm, at full-load
Claim of equivalent power <sup>(a)</sup>	-	If yes, equivalent power (W)	-
		Chromaticity coordinates (x and y)	0,335 0,352
<b>Parameters for directional light sources:</b>			
Peak luminous intensity (cd)	64	Beam angle in degrees, or the range of beam angles that can be set	120
<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 $\phi_1$ )	0,50	Colour consistency in McAdam ellipses	1
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

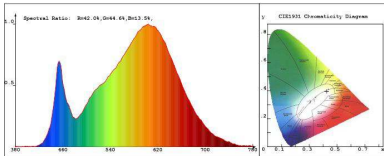
(a) : not applicable;

(b) : not applicable;

LED Test Report

Product Mark  
Product Type : T1  
Temperature : 25°C  
Operator : HYL  
Remark :

Manufacturer : 深圳市达润兴电子有限公司  
Humidity : 65%  
Test Date : 2021-01-11 10:56:08



Chroma Parameters  
Chro.Coef.:w=0.4200 y=0.3847 u=0.2465 v=0.3459 duv=0.0021  
CCT: 3133K Dominant Wave.:583.1nm Purity:44.04  
Flux RGB Ratio:R=21.74,G=76.34,B=2.04 Peak Wave:603.8nm Half Width:138.8nm  
Rendering Index:Ra= 85.0  
R1 =84 R2 =83 R3 =86 R4 =83 R5 =85 R6 =91 R7 =84 R8 =85  
R9 =82 R10=83 R11=82 R12=72 R13=86 R14=99 R15=78  
Fidelity Index(Rf)=83.7 Gamut Index(Rg)=94.2

Photo Parameters  
Flux:213.32lm EM :16.71m/W Radiant:600.8mW Iv:0.0mcd  
Efficiency:0.000 EB Level:R (EU 874-2012)

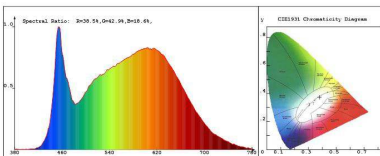
Ele. Parameters  
Voltage:0-7.98V Current:I=1.6000A  
Power:P=0.00W Power Factor:PF=1.000

Instrument state  
Instrument:Hopoo HP8000 Integral Time: 1000.000ms VPeak: 11494  
VMax: 1334 Scan Range: 380-780nm Product ID: 201701217  
Hopoo Optoelectronics Technology Co.,LTD www.hopoo.net

LED Test Report

Product Mark  
Product Type : T1  
Temperature : 25°C  
Operator : HYL  
Remark :

Manufacturer : 深圳市达润兴电子有限公司  
Humidity : 65%  
Test Date : 2021-01-11 10:50:36



Chroma Parameters  
Chro.Coef.:w=0.3793 y=0.3730 u=0.2240 v=0.3350 duv=0.0015  
CCT: 3398K Dominant Wave.:579.9nm Purity:25.89  
Flux RGB Ratio:R=19.04,G=77.84,B=3.28 Peak Wave:454.6nm Half Width:26.8nm  
Rendering Index:Ra= 92.1  
R1 =83 R2 =88 R3 =88 R4 =90 R5 =92 R6 =94 R7 =91 R8 =92  
R9 =85 R10=93 R11=91 R12=70 R13=95 R14=100 R15=90  
Fidelity Index(Rf)=87.0 Gamut Index(Rg)=94.2

Photo Parameters  
Flux:183.61lm EM :130.01m/W Radiant:1322.7mW Iv:0.0mcd  
Efficiency:0.000 EB Level:R (EU 874-2012)

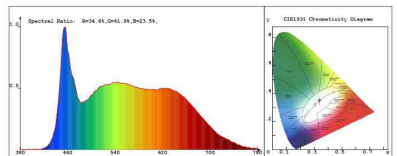
Ele. Parameters  
Voltage:0-7.98V Current:I=1.6000A  
Power:P=0.00W Power Factor:PF=1.000

Instrument state  
Instrument:Hopoo HP8000 Integral Time: 767.854ms VPeak: 13894  
VMax: 1251 Scan Range: 380-780nm Product ID: 201701217  
Hopoo Optoelectronics Technology Co.,LTD www.hopoo.net

LED Test Report

Product Mark  
Product Type : T1  
Temperature : 25°C  
Operator : HYL  
Remark :

Manufacturer : 深圳市达润兴电子有限公司  
Humidity : 65%  
Test Date : 2021-01-11 10:57:49



Chroma Parameters  
Chro.Coef.:w=0.3557 y=0.3523 u=0.2048 v=0.3224 duv=0.0043  
CCT: 3573K Dominant Wave.:559.6nm Purity:6.54  
Flux RGB Ratio:R=16.14,G=79.54,B=4.38 Peak Wave:454.6nm Half Width:27.6nm  
Rendering Index:Ra= 95.3  
R1 =97 R2 =99 R3 =98 R4 =92 R5 =94 R6 =95 R7 =94 R8 =93  
R9 =98 R10=97 R11=94 R12=95 R13=98 R14=99 R15=94  
Fidelity Index(Rf)=88.8 Gamut Index(Rg)=96.7

Photo Parameters  
Flux:216.52lm EM :17.01m/W Radiant:799.6mW Iv:0.0mcd  
Efficiency:0.000 EB Level:R (EU 874-2012)

Ele. Parameters  
Voltage:0-7.98V Current:I=1.6000A  
Power:P=0.00W Power Factor:PF=1.000

Instrument state  
Instrument:Hopoo HP8000 Integral Time: 1000.000ms VPeak: 13990  
VMax: 1334 Scan Range: 380-780nm Product ID: 201701217  
Hopoo Optoelectronics Technology Co.,LTD www.hopoo.net