

# 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:** LX100231

## 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:	NMLS	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
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	4	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°)	400 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	4 000
On-mode power ( $P_{on}$ ), expressed in W	4,0	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	60	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	16	
	Depth	16	
			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)	0,380 0,380	
<b>Parameters for LED and OLED light sources:</b>				
R9 colour rendering index value	80	Survival factor	-	
the lumen maintenance factor	-			

(a) : not applicable;

(b) : not applicable;

## Lightsource Test Report

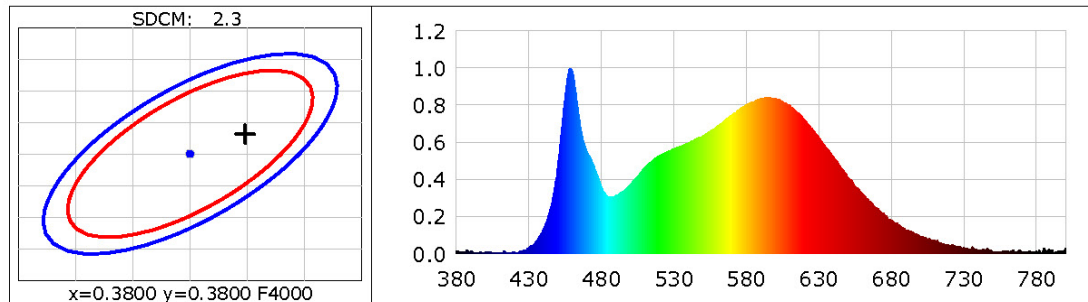
### Product Information

Product Type: 4W 4000K PCG9

Product Number: 2

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3848$   $y=0.3831$   $u(u')=0.2254$   $v=0.3367$   $v'=0.5050$   
 CCT:  $T_c=3931K$  ( $duv=0.00169$ ) Color Ratio:  $R=0.187$   $G=0.771$   $B=0.042$   
 Peak Wavelength: 458.7nm Half Bandwidth: 23.4nm  
 Dominant Wavelength: 578.5nm Color Purity: 0.305  
 Central Wave: 462.0nm Gravity Wave: 461.0nm  
 CRI:  $R_a=83.2$  TM30:  $R_f=81$ ,  $R_g=90$   
 GAI:  $GAI\_BB\_8=86.5$ ,  $GAI\_BB\_15=95.6$ ,  $GAI\_EES=67.2$   
 R1 =83 R2 =94 R3 =94 R4 =78 R5 =82 R6 =91 R7 =82 R8 =62  
 R9 =10 R10=84 R11=77 R12=61 R13=86 R14=98 R15=76  
 Color Quality Scale:  $Q_a=82.5$ ,  $Q_f=83.0$ ,  $Q_p=80.3$ ,  $Q_g=88.9$   
 Q1 =78 Q2 =94 Q3 =85 Q4 =76 Q5 =77 Q6 =78 Q7 =83 Q8 =89  
 Q9 =96 Q10=94 Q11=89 Q12=87 Q13=85 Q14=74 Q15=76



### Photometric Parameters

Luminous Flux: 502.56 lm Efficiency: 125.64 lm/W Radiant Power: 1.514 W  
 Total mains efficacy: 125.64 lm/W Energy Efficiency Class: E (EU 2019/2015)

### Electric Parameters

Voltage: 230.00V Current: 0.0350A Power: 4.00W  
 Power Factor: 0.4900 Frequency: 50.00Hz

### Test Information

Scan Range: 380~800:1nm Photometric Method: sphere-spectroradiometer  
 Stabilization Time: 0 Sec ALC.: 1.0000 Photometric Condition: Sphere diameter: 1.50m, 4T  
 Max of Signal: 46828 (3899) CCD Integration Time: 899.86 ms

Condition:  $T_x:32.1^{\circ}C$ ,  $T_i:29.5^{\circ}C$ , R.H.:60%  
 Test Lab:  
 Operator:

Test Device: CMS-2S (Plus)  
 Test Time: 2024-07-12 09:26:49  
 Inspector:

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



**EPREL registration number:** 2098396

<https://eprel.ec.europa.eu/qr/2098396>

**Supplier:** ENOVATEK GmbH (Importer)

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