

# 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:** LX100220

## 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	2	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°)	160 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	2 800
On-mode power ( $P_{on}$ ), expressed in W	1,8	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	45	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)	0,440 0,403	
<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

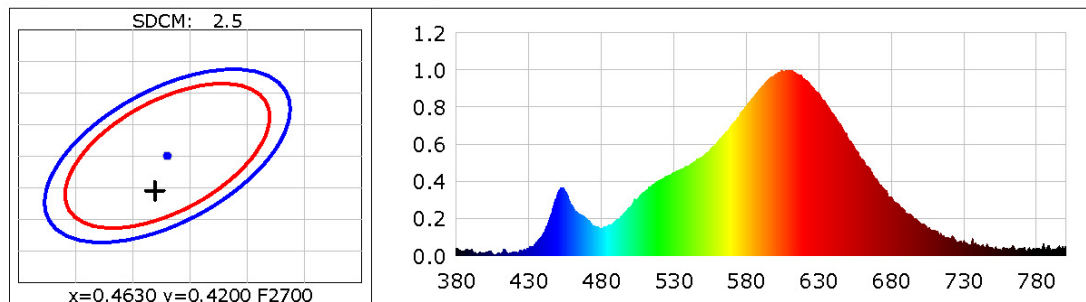
### Product Information

Product Type: 1.8W 2800K PCG4

Product Number: 1

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.4619$   $y=0.4145$   $u(u')=0.2621$   $v=0.3528$   $v'=0.5291$   
 CCT:  $T_c=2702K$  ( $duv=0.00126$ ) Color Ratio:  $R=0.252$   $G=0.726$   $B=0.021$   
 Peak Wavelength: 610.1nm Half Bandwidth: 118.4nm  
 Dominant Wavelength: 583.8nm Color Purity: 0.631  
 Central Wave: 602.6nm Gravity Wave: 605.0nm  
 CRI:  $R_a=83.6$  TM30:  $R_f=86$ ,  $R_g=95$   
 GAI:  $GAI\_BB\_8=88.9$ ,  $GAI\_BB\_15=97.0$ ,  $GAI\_EES=43.2$   
 R1 =82 R2 =92 R3 =97 R4 =82 R5 =83 R6 =92 R7 =82 R8 =60  
 R9 =12 R10=82 R11=82 R12=75 R13=84 R14=99 R15=74  
 Color Quality Scale:  $Q_a=83.8$ ,  $Q_f=86.3$ ,  $Q_p=84.4$ ,  $Q_g=89.7$   
 Q1 =79 Q2 =93 Q3 =86 Q4 =83 Q5 =84 Q6 =85 Q7 =85 Q8 =87  
 Q9 =95 Q10=91 Q11=89 Q12=86 Q13=84 Q14=73 Q15=75



### Photometric Parameters

Luminous Flux: 185.72 lm Efficiency: 103.18 lm/W Radiant Power: 0.581 W  
 Total mains efficacy: 103.18 lm/W Energy Efficiency Class: F (EU 2019/2015)

### Electric Parameters

Voltage: 11.90V Current: 0.2380A Power: 1.80W  
 Power Factor: 1 Frequency: 60.00Hz

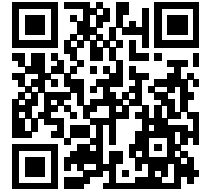
### Test Information

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: 45905 (4948) CCD Integration Time: 2748.95 ms

Condition:  $T_x:31.9^\circ C$ ,  $T_i:29.1^\circ C$ , R.H.:60%  
 Test Lab:  
 Operator:

Test Device: CMS-2S (Plus)  
 Test Time: 2024-07-12 09:31:33  
 Inspector:

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



**EPREL registration number:** 2098371

<https://eprel.ec.europa.eu/qr/2098371>

**Supplier:** ENOVATEK GmbH (Importer)

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**Customer care service:**

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