

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: LX100230

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
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	4	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°)	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	2 800
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 ^(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	80	Survival factor	-	
the lumen maintenance factor	-			

(a) : not applicable;

(b) : not applicable;

Lightsource Test Report

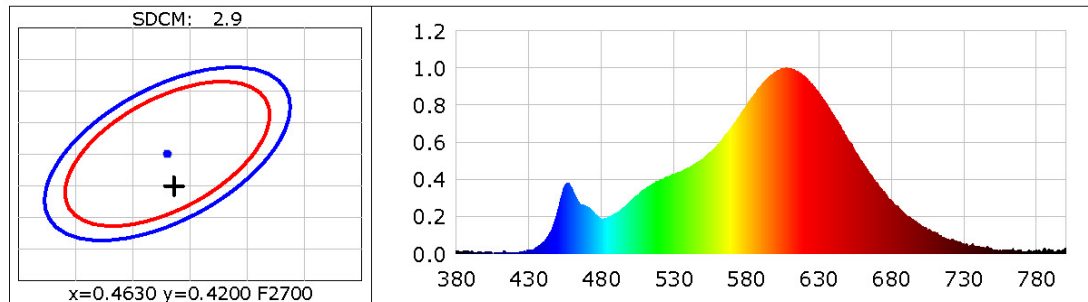
Product Information

Product Type: 4W 2800K PCG9

Product Number: 1

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.4636$ $y=0.4149$ $u(u')=0.2630$ $v=0.3530$ $v'=0.5295$
 CCT: $T_c=2682K$ ($duv=0.00126$) Color Ratio: $R=0.256$ $G=0.720$ $B=0.025$
 Peak Wavelength: 607.7nm Half Bandwidth: 111.2nm
 Dominant Wavelength: 583.9nm Color Purity: 0.637
 Central Wave: 603.8nm Gravity Wave: 605.2nm
 CRI: $R_a=83.7$ TM30: $R_f=85$, $R_g=92$
 GAI: $GAI_BB_8=86.4$, $GAI_BB_15=96.3$, $GAI_EES=41.5$
 R1 =83 R2 =94 R3 =93 R4 =82 R5 =84 R6 =95 R7 =80 R8 =58
 R9 =11 R10=87 R11=83 R12=78 R13=86 R14=97 R15=74
 Color Quality Scale: $Q_a=84.1$, $Q_f=86.7$, $Q_p=84.2$, $Q_g=87.5$
 Q1 =78 Q2 =92 Q3 =89 Q4 =83 Q5 =84 Q6 =84 Q7 =85 Q8 =89
 Q9 =93 Q10=94 Q11=91 Q12=87 Q13=85 Q14=74 Q15=75



Photometric Parameters

Luminous Flux: 464.54 lm Efficiency: 116.14 lm/W Radiant Power: 1.431 W
 Total mains efficacy: 116.14 lm/W Energy Efficiency Class: E (EU 2019/2015)

Electric Parameters

Voltage: 230.10V Current: 0.0350A Power: 4.00W
 Power Factor: 0.4980 Frequency: 50.00Hz

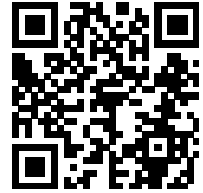
Test Information

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: 44853 (3972) CCD Integration Time: 1058.37 ms

Condition: $T_x:32.2^{\circ}C$, $T_i:29.8^{\circ}C$, R.H.:60%
 Test Lab:
 Operator:

Test Device: CMS-2S (Plus)
 Test Time: 2024-07-12 09:25:22
 Inspector:

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



EPREL registration number: 2098388

<https://eprel.ec.europa.eu/qr/2098388>

Supplier: ENOVATEK GmbH (Importer)

Website: www.enovatek.de

Customer care service:

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