

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: LX400109

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
Light source cap-type (or other electric interface)	SMD 2835		
Mains or non-mains:	MLS	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	20	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°)	2 000 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	4 000
On-mode power (P_{on}), expressed in W	20,0	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	108	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	104	
	Depth	24	
			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)	0,380 0,380
Parameters for LED and OLED light sources:			
R9 colour rendering index value	80	Survival factor	-
the lumen maintenance factor	-		
Parameters for LED and OLED mains light sources:			
displacement factor (cos ϕ_1)	0,90	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;

Lightsource Test Report

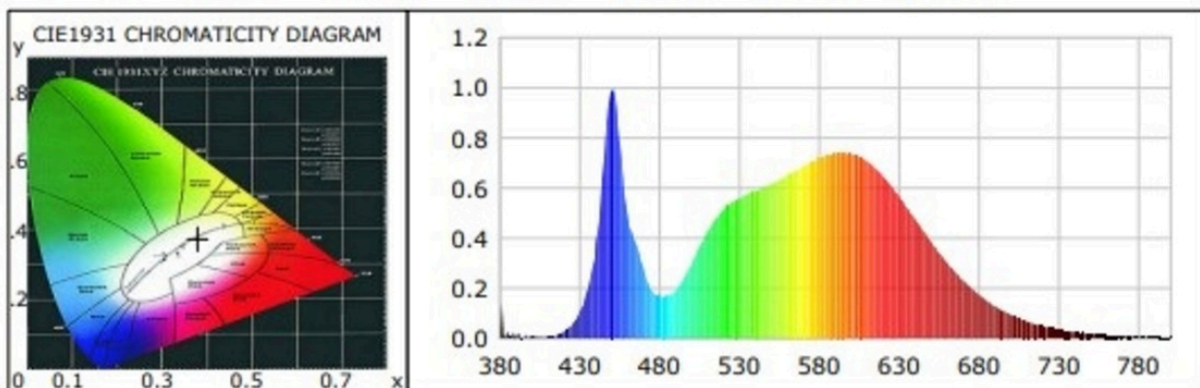
Product Information

Product Type: LX400109
Product Number: 2

Product Spec: 4000K

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3784$ $y=0.3747$ $u(u')=0.2245$ $v=0.3336$ $v'=0.5004$
CCT: $T_c=4043K$ ($duv=-0.00034$) Color Ratio: $R=0.181$ $G=0.787$ $B=0.032$
Peak Wavelength: 450.8nm Half Bandwidth: 17.3nm
Dominant Wavelength: 579.1nm Color Purity: 0.260
CRI: $R_a=81.6$ TM30: $R_f=80$, $R_g=97$
 $R1=80$ $R2=87$ $R3=91$ $R4=82$ $R5=80$ $R6=81$ $R7=86$ $R8=66$
 $R9=8$ $R10=68$ $R11=80$ $R12=55$ $R13=82$ $R14=95$ $R15=75$
Color Quality Scale: $Q_a=81.0$, $Q_f=80.7$, $Q_p=82.1$, $Q_g=93.9$
 $Q1=82$ $Q2=98$ $Q3=74$ $Q4=72$ $Q5=79$ $Q6=82$ $Q7=83$ $Q8=88$
 $Q9=96$ $Q10=85$ $Q11=82$ $Q12=82$ $Q13=83$ $Q14=72$ $Q15=76$



Photometric Parameters

Luminous Flux: 2257.60 lm
EEI: 0.13

Efficiency: 108.54 lm/W

Radiant Power: 6.824 W

Energy Efficiency Class: A+ (EU 874-2012)

Electric Parameters

Voltage: 231.00V
Power Factor: 0.7460

Current: 0.1200A
Frequency: 50.00Hz

Power: 20.80W

Test Information

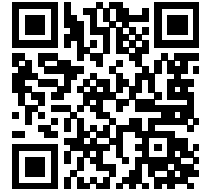
Scan Range: 380~800:1nm
Stabilization Time: 0 ms
Max of Signal: 19836 (37452)

Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 1.00m, 4 π
CCD Integration Time: 193.28 ms

Condition: $T_x:0.0^\circ C$, $T_i:0.0^\circ C$, R.H.:60%
Test Lab:
Operator:

Test Device: Inventive CMS-2S (Plus)
Test Time:
Inspector:

Model placed on the Union market from 03/04/2023



EPREL registration number: 1545705

<https://eprel.ec.europa.eu/qr/1545705>

Supplier: ENOVATEK GmbH (Importer)

Website: www.enovatek.de

Customer care service:

Name: ENOVATEK GmbH

Website: www.enovatek.de

Email: info@enovatek.de

Phone: +49 4461 / 7464233

Address:

Sillensteder Straße 213

26441 Jever

Germany