

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: LX400211

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	50	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°)	5 000 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	50,0	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	187	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	167	
	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)	0,440 0,403
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

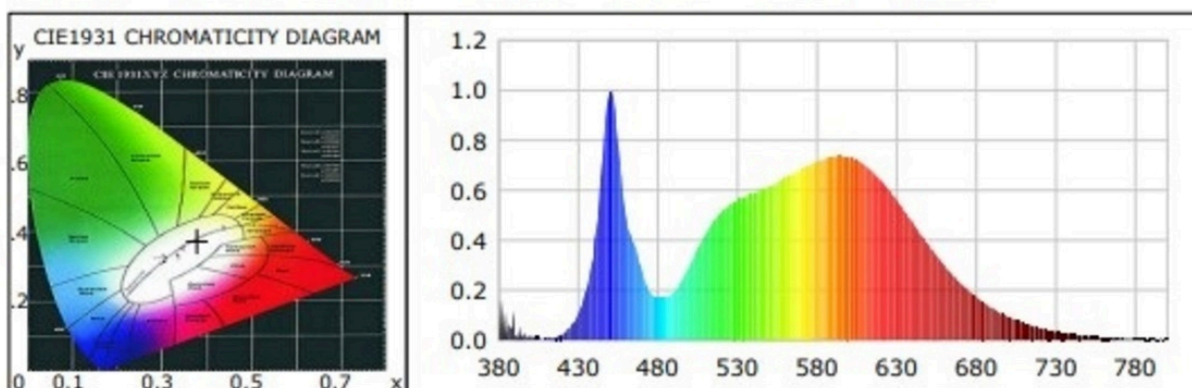
Product Information

Product Type: LX400211
Product Number: 4

Product Spec: 4000K

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3768$ $y=0.3735$ $u(u')=0.2240$ $v=0.3330$ $v'=0.4996$
 CCT: $T_c=4078K$ ($duv=-0.00047$) Color Ratio: R=0.180 G=0.788 B=0.032
 Peak Wavelength: 450.7nm Half Bandwidth: 17.6nm
 Dominant Wavelength: 597.9nm Color Purity: 0.252
 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: $Q_a=80.9$, $Q_f=80.7$, $Q_p=82.1$, $Q_g=93.9$
 Q1 =83 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: 4584.54 lm Efficiency: 93.56 lm/W Radiant Power: 13.935 W
 EEI: 0.15 Energy Efficiency Class: A+ (EU 874-2012)

Electric Parameters

Voltage: 231.00V Current: 0.2150A Power: 49.00W
 Power Factor: 0.9860 Frequency: 50.00Hz

Test Information

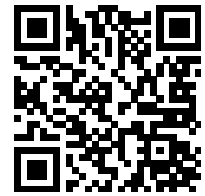
Scan Range: 380~800:1nm
 Stabilization Time: 0 ms
 Max of Signal: 10848 (37370)

Photometric Method: sphere-spectroradiometer
 Photometric Condition: Sphere diameter: 1.00m, 4T
 CCD Integration Time: 52.23 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 01/03/2024



EPREL registration number: 1855237

<https://eprel.ec.europa.eu/qr/1855237>

Supplier: ENOVATEK GmbH (Importer)

Website: www.enovatek.de

Customer care service:

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