

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: LX400214

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	200	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°)	20 000 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	200,0	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	358	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	305	
	Depth	31	
			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 0,443
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

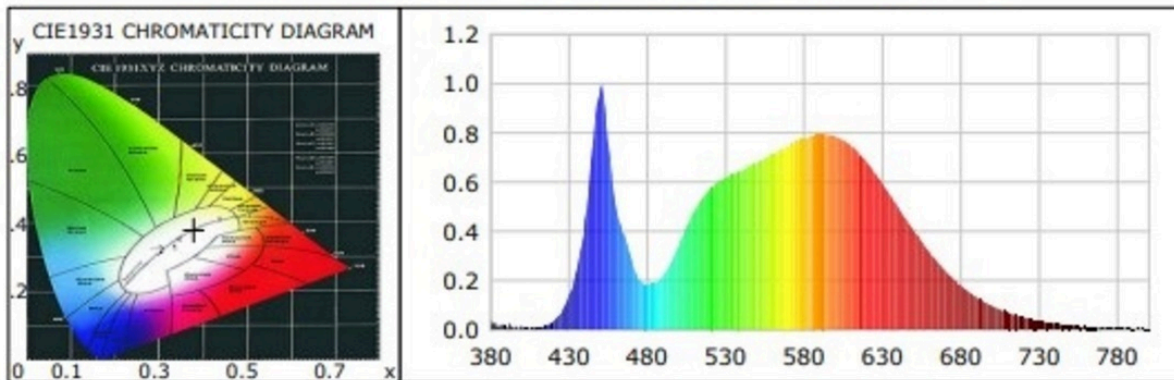
Product Information

Product Type: LX400214
Product Number: 2

Product Spec: 4000k

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3775$ $y=0.3803$ $u(u')=0.2218$ $v=0.3351$ $v'=0.5027$
CCT: $T_c=4106K$ ($duv=0.00251$) Color Ratio: $R=0.176$ $G=0.793$ $B=0.031$
Peak Wavelength: 450.8nm Half Bandwidth: 18.5nm
Dominant Wavelength: 578.3nm Color Purity: 0.274
CRI: $R_a=80.7$ TM30: $R_f=80$, $R_g=96$
 $R_1=79$ $R_2=85$ $R_3=91$ $R_4=81$ $R_5=79$ $R_6=80$ $R_7=86$ $R_8=64$
 $R_9=3$ $R_{10}=66$ $R_{11}=79$ $R_{12}=55$ $R_{13}=80$ $R_{14}=95$ $R_{15}=73$
Color Quality Scale: $Q_a=81.2$, $Q_f=81.2$, $Q_p=81.4$, $Q_g=92.6$
 $Q_1=82$ $Q_2=98$ $Q_3=76$ $Q_4=74$ $Q_5=80$ $Q_6=81$ $Q_7=83$ $Q_8=88$
 $Q_9=96$ $Q_{10}=86$ $Q_{11}=83$ $Q_{12}=83$ $Q_{13}=83$ $Q_{14}=71$ $Q_{15}=75$



Photometric Parameters

Luminous Flux: 22909.32 lm Efficiency: 112.85 lm/W Radiant Power: 68.264 W
EEI: 0.12 Energy Efficiency Class: A+ (EU 874-2012)

Electric Parameters

Voltage: 231.30V Current: 0.8830A Power: 203.01W
Power Factor: 0.9940 Frequency: 50.00Hz

Test Information

Scan Range: 380~800:1nm
Stabilization Time: 0 ms
Max of Signal: 17251 (37451)

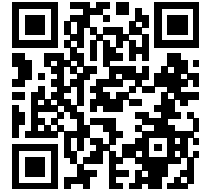
Photometric Method:

Photometric Condition: Sphere diameter: 1.00m, 4 π
CCD Integration Time: 208.73 ms

Condition:
Test Lab:
Operator:

Test Device: Inventfine CMS-2S
Test Time:
Inspector:

Model placed on the Union market from 01/03/2024



EPREL registration number: 1855254

<https://eprel.ec.europa.eu/qr/1855254>

Supplier: ENOVATEK GmbH (Importer)

Website: www.enovatek.de

Customer care service:

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