

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: LX400213

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	150	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°)	15 000 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	150,0	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	305	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	260	
	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 0,403
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: LX400213

Product Spec: 4000K

Product Number: 1

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3770$ $y=0.3803$ $u(u')=0.2214$ $v=0.3351$ $v'=0.5027$

CCT: $T_c=4120K$ ($duv=0.00269$)

Color Ratio: $R=0.175$ $G=0.793$ $B=0.032$

Peak Wavelength: 450.8nm

Half Bandwidth: 18.7nm

Dominant Wavelength: 578.1nm

Color Purity: 0.273

CRI: $R_a=80.6$

TM30: $R_f=80$, $R_g=96$

$R_1=79$

$R_2=85$

$R_3=91$

$R_4=81$

$R_5=79$

$R_6=80$

$R_7=86$

$R_8=64$

$R_9=2$

$R_{10}=65$

$R_{11}=79$

$R_{12}=55$

$R_{13}=80$

$R_{14}=95$

$R_{15}=73$

Color Quality Scale: $Q_a=81.2$, $Q_f=81.3$, $Q_p=81.3$, $Q_g=92.4$

$Q_1=82$

$Q_2=98$

$Q_3=76$

$Q_4=74$

$Q_5=80$

$Q_6=81$

$Q_7=83$

$Q_8=88$

$Q_9=96$

$Q_{10}=86$

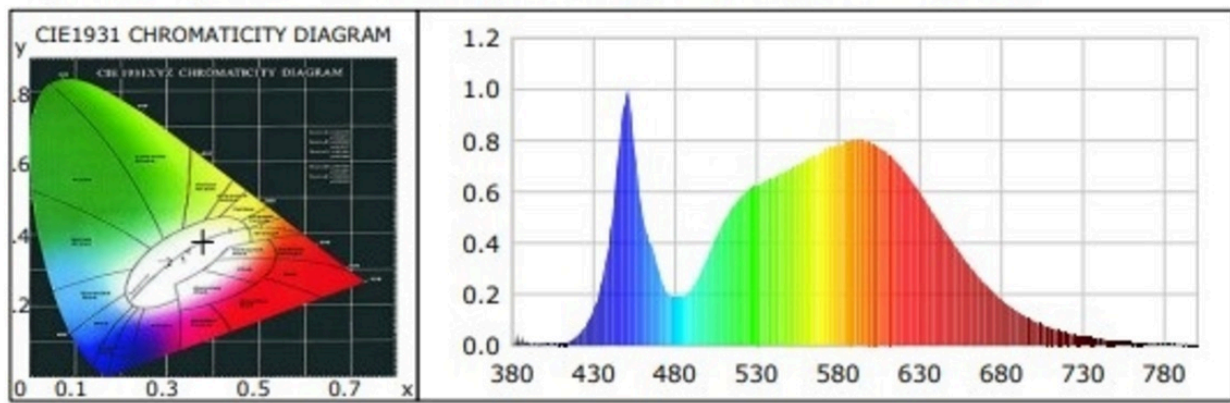
$Q_{11}=83$

$Q_{12}=83$

$Q_{13}=83$

$Q_{14}=71$

$Q_{15}=75$



Photometric Parameters

Luminous Flux: 17593.09 lm
EEI: 0.12

Efficiency: 117.25 lm/W

Radiant Power: 52.363 W

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

Electric Parameters

Voltage: 231.30V
Power Factor: 0.9950

Current: 0.6520A
Frequency: 50.00Hz

Power: 150.05W

Test Information

Scan Range: 380~800:1nm
Stabilization Time: 0 ms
Max of Signal: 20219 (37435)

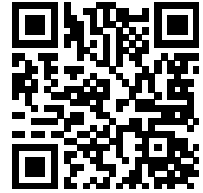
Photometric Method:

Photometric Condition: Sphere diameter: 1.00m, 4T
CCD Integration Time: 177.42 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: 1855252

<https://eprel.ec.europa.eu/qr/1855252>

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