

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: LX400202

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	30	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°)	3 000 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	3 000
On-mode power (P_{on}), expressed in W	30,0	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	143	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	130	
	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: LX400202

Product Spec: 3000K

Product Number: 3

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.4361$ $y=0.3955$ $u(u')=0.2538$ $v=0.3452$ $v'=0.5178$

CCT: $T_c=2942K$ ($duv=-0.00334$)

Color Ratio: $R=0.234$ $G=0.745$ $B=0.021$

Peak Wavelength: 604.1nm

Half Bandwidth: 127.5nm

Dominant Wavelength: 584.3nm

Color Purity: 0.496

CRI: $R_a=81.5$

TM30: $R_f=79$, $R_g=99$

$R1=80$

$R2=89$

$R3=96$

$R4=80$

$R5=80$

$R6=87$

$R7=81$

$R8=59$

$R9=6$

$R10=75$

$R11=80$

$R12=69$

$R13=82$

$R14=97$

$R15=74$

Color Quality Scale: $Q_a=79.7$, $Q_f=79.8$, $Q_p=84.3$, $Q_g=95.4$

$Q1=76$

$Q2=97$

$Q3=78$

$Q4=77$

$Q5=81$

$Q6=80$

$Q7=78$

$Q8=83$

$Q9=96$

$Q10=85$

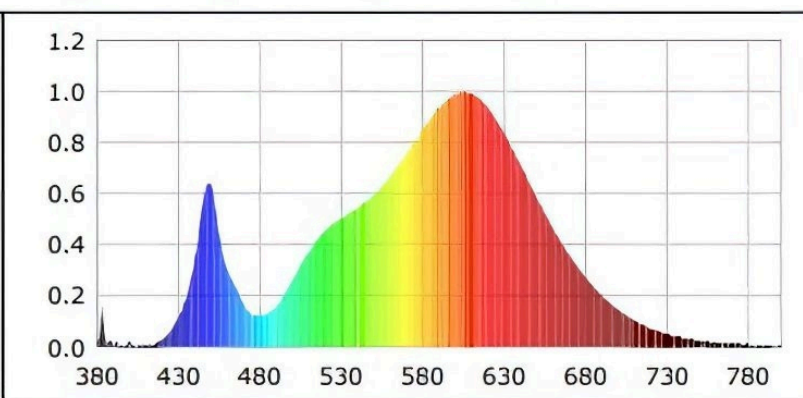
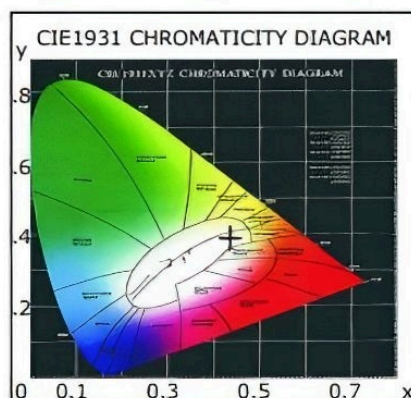
$Q11=82$

$Q12=80$

$Q13=81$

$Q14=71$

$Q15=72$



Photometric Parameters

Luminous Flux: 2733.29 lm

Efficiency: 90.81 lm/W

Radiant Power: 8.355 W

EEL: 0.15

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

Electric Parameters

Voltage: 230.80V

Current: 0.1320A

Power: 30.10W

Power Factor: 0.9870

Frequency: 50.00Hz

Test Information

Scan Range: 380~800:1nm

Stabilization Time: 0 ms

Max of Signal: 11345 (38026)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 1.00m, 4 π

CCD Integration Time: 71.32 ms

Condition: $T_x=0.0^\circ C$, $T_l=0.0^\circ C$, R.H.:60%

Test Lab:

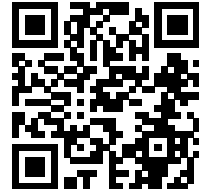
Operator:

Test Device: Inventfine CMS-2S (Plus)

Test Time:

Inspector:

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



EPREL registration number: 1851864

<https://eprel.ec.europa.eu/qr/1851864>

Supplier: ENOVATEK GmbH (Importer)

Website: www.enovatek.de

Customer care service:

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