

# 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:** LX400212

## 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
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	100	Energy efficiency class	F
Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	10 000 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	100,0	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	274	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	218	
	Depth	28	
			See image in last page

parts and non-lighting control parts, if any (millimetre)			
Claim of equivalent power <sup>(a)</sup>	-	If yes, equivalent power (W)	-
		Chromaticity coordinates (x and y)	0,440 0,403
<b>Parameters for LED and OLED light sources:</b>			
R9 colour rendering index value	80	Survival factor	-
the lumen maintenance factor	-		
<b>Parameters for LED and OLED mains light sources:</b>			
displacement factor (cos $\phi_1$ )	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: LX400212  
 Product Number: 5

Product Spec: 4000K

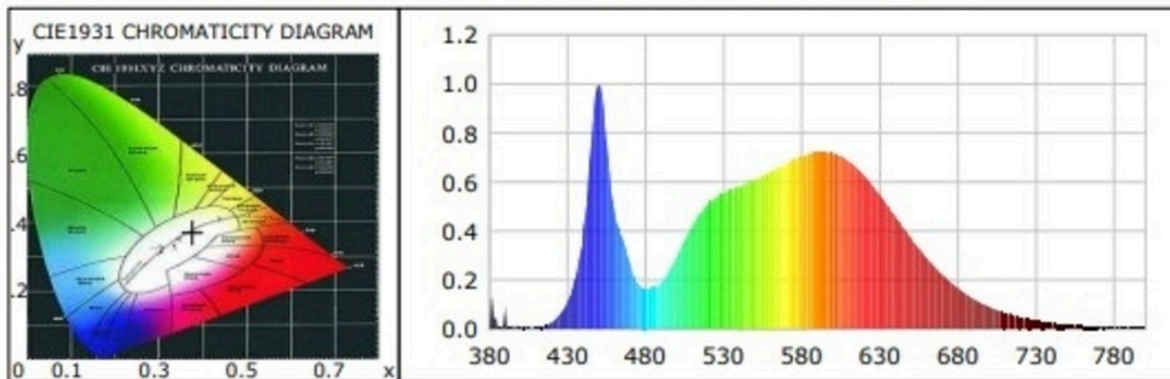
## CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3751$   $y=0.3722$   $u(u')=0.2233$   $v=0.3325$   $v'=0.4988$   
 CCT:  $T_c=4119K$  ( $duv=-0.00052$ ) Color Ratio:  $R=0.179$   $G=0.789$   $B=0.032$   
 Peak Wavelength: 449.3nm Half Bandwidth: 17.6nm  
 Dominant Wavelength: 578.9nm Color Purity: 0.243  
 CRI:  $R_a=81.5$  TM30:  $R_f=79$ ,  $R_g=97$   

R1 =80	R2 =86	R3 =91	R4 =82	R5 =80	R6 =81	R7 =86	R8 =66
R9 =8	R10=67	R11=80	R12=55	R13=82	R14=95	R15=75	

 Color Quality Scale:  $Q_a=80.7$ ,  $Q_f=80.4$ ,  $Q_p=82.0$ ,  $Q_g=94.0$   

Q1 =83	Q2 =98	Q3 =74	Q4 =72	Q5 =79	Q6 =81	Q7 =83	Q8 =88
Q9 =96	Q10=85	Q11=82	Q12=82	Q13=82	Q14=72	Q15=76	



## Photometric Parameters

Luminous Flux: 8968.84 lm Efficiency: 90.05 lm/W Radiant Power: 27.194 W  
 EEI: 0.15 Energy Efficiency Class: A+ (EU 874-2012)

## Electric Parameters

Voltage: 230.90V Current: 0.4350A Power: 99.60W  
 Power Factor: 0.9910 Frequency: 50.00Hz

### Test Information

Scan Range: 380~800:1nm	Photometric Method: sphere-spectroradiometer
Stabilization Time: 0 ms	Photometric Condition: Sphere diameter: 1.00m, 4π
Max of Signal: 21025 (37369)	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:** 1855246

<https://eprel.ec.europa.eu/qr/1855246>

**Supplier:** ENOVATEK GmbH (Importer)

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