

# 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:** LX400204

## 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	3 000
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: LX400104  
Product Number: 6

Product Spec: 3000K

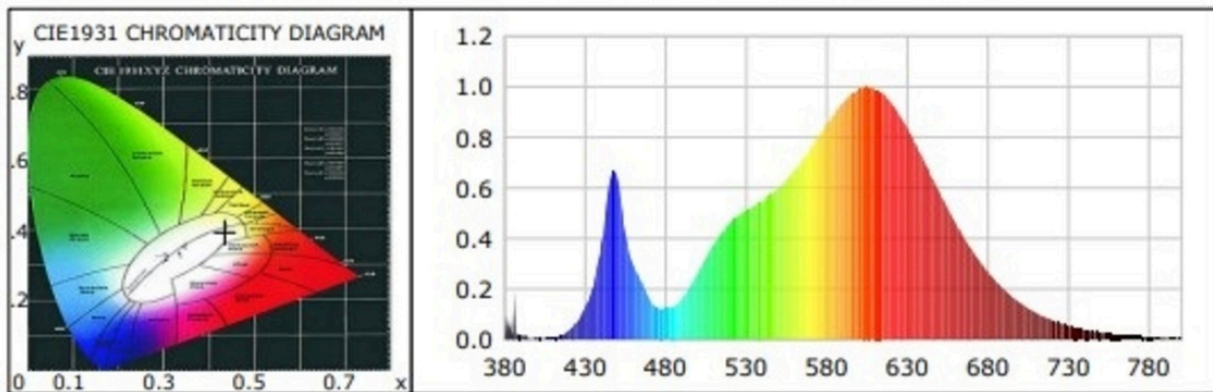
## CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.4340$   $y=0.3943$   $u(u')=0.2529$   $v=0.3447$   $v'=0.5170$   
 CCT:  $T_c=2969K$  ( $duv=-0.00356$ ) Color Ratio:  $R=0.233$   $G=0.746$   $B=0.021$   
 Peak Wavelength: 604.2nm Half Bandwidth: 129.4nm  
 Dominant Wavelength: 584.3nm Color Purity: 0.486  
 CRI:  $R_a=81.7$  TM30:  $R_f=79$ ,  $R_g=100$   

R1 =81	R2 =89	R3 =95	R4 =81	R5 =81	R6 =87	R7 =82	R8 =59
R9 =7	R10=75	R11=80	R12=70	R13=82	R14=97	R15=74	

 Color Quality Scale:  $Q_a=79.8$ ,  $Q_f=79.8$ ,  $Q_p=84.5$ ,  $Q_g=95.7$   

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=73	



## Photometric Parameters

Luminous Flux: 8381.83 lm Efficiency: 84.24 lm/W Radiant Power: 25.705 W  
 EEI: 0.16 Energy Efficiency Class: A+ (EU 874-2012)

## Electric Parameters

Voltage: 230.60V Current: 0.4340A Power: 99.50W  
 Power Factor: 0.9920 Frequency: 50.00Hz

### Test Information

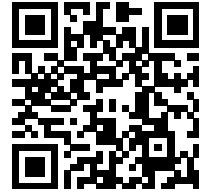
Scan Range: 380~800:1nm  
 Stabilization Time: 0 ms  
 Max of Signal: 18836 (37999)

Photometric Method: sphere-spectroradiometer  
 Photometric Condition: Sphere diameter: 1.00m, 4T  
 CCD Integration Time: 38.86 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:** 1854224

<https://eprel.ec.europa.eu/qr/1854224>

**Supplier:** ENOVATEK GmbH (Importer)

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**Customer care service:**

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