

# 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:** LX400215

## 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	300	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°)	30 000 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	300,0	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	450	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	370	
	Depth	35	
			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)	0,380 0,380
<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

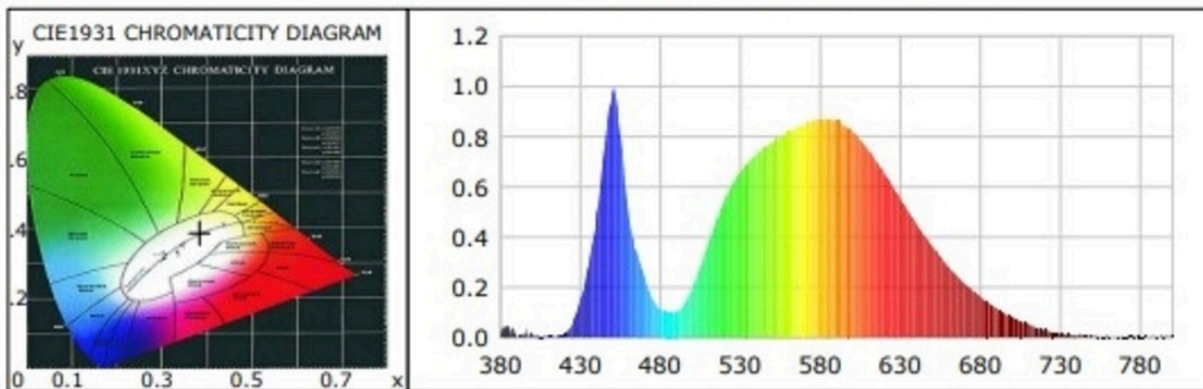
## Product Information

Product Type: LX400215  
Product Number: 1

Product Spec: 4000k

## CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3830$   $y=0.3889$   $u(u')=0.2220$   $v=0.3381$   $v'=0.5072$   
CCT:  $T_c=4020K$  ( $duv=0.00486$ ) Color Ratio:  $R=0.163$   $G=0.814$   $B=0.022$   
Peak Wavelength: 450.9nm Half Bandwidth: 19.6nm  
Dominant Wavelength: 577.7nm Color Purity: 0.317  
CRI:  $R_a=70.8$  TM30:  $R_f=70$ ,  $R_g=93$   
 $R1=67$   $R2=77$   $R3=84$   $R4=70$   $R5=66$   $R6=67$   $R7=82$   $R8=52$   
 $R9=-33$   $R10=45$   $R11=64$   $R12=34$   $R13=69$   $R14=91$   $R15=61$   
Color Quality Scale:  $Q_a=72.1$ ,  $Q_f=72.1$ ,  $Q_p=72.6$ ,  $Q_g=88.5$   
 $Q1=76$   $Q2=97$   $Q3=66$   $Q4=60$   $Q5=68$   $Q6=69$   $Q7=73$   $Q8=82$   
 $Q9=93$   $Q10=78$   $Q11=74$   $Q12=74$   $Q13=75$   $Q14=60$   $Q15=66$



## Photometric Parameters

Luminous Flux: 33815.89 lm Efficiency: 111.90 lm/W Radiant Power: 94.309 W  
EEI: 0.12 Energy Efficiency Class: A+ (EU 874-2012)

## Electric Parameters

Voltage: 231.30V Current: 1.3170A Power: 302.19W  
Power Factor: 0.9920 Frequency: 50.00Hz

### Test Information

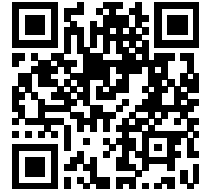
Scan Range: 380~800:1nm  
Stabilization Time: 0 ms  
Max of Signal: 9550 (37426)

Photometric Method:  
Photometric Condition: Sphere diameter: 1.00m, 4π  
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:** 1855263

<https://eprel.ec.europa.eu/qr/1855263>

**Supplier:** ENOVATEK GmbH (Importer)

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