

# 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:** LX400231

## Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
Light source cap-type (or other electric interface)	SMD		
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

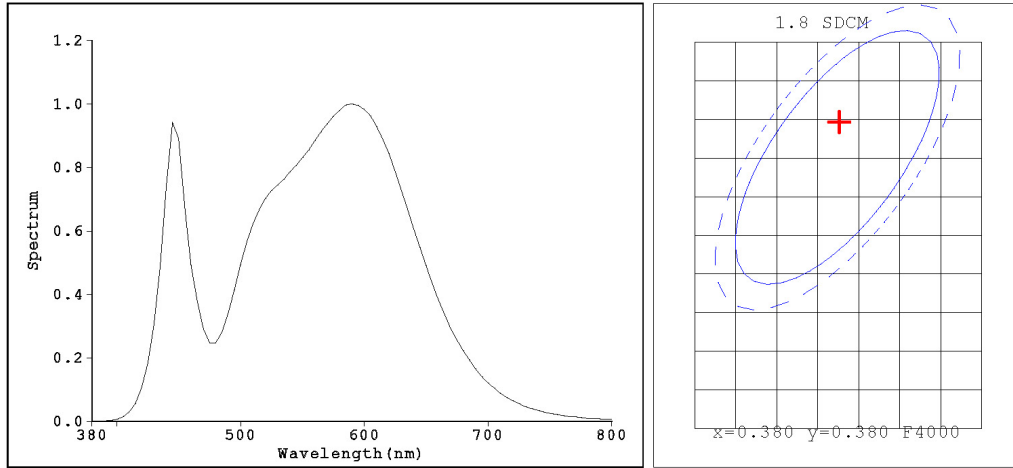
Parameter	Value	Parameter	Value
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	20	Energy efficiency class	F
Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	1 800 in Narrow cone (90°)	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	20,0	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	19	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	103	
	Depth	140	
			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)	-

(a)-: not applicable;

(b)-: not applicable;

Light Source Test Report



**Color Parameters:**

Chromaticity Coordinate:  $x=0.3802$   $y=0.3837$   
 Chromaticity Coordinate:  $u'=0.3802$   $v'=0.3837$  ( $duv=3.27e-03$ )  
 $Tc=4055K$  Dominant WL:  $Ld=577.2nm$  Purity=29.2% Centroid WL:  $568.0nm$   
 Ratio:  $R=19.1\%$   $G=78.0\%$   $B=2.9\%$  Peak WL:  $Lp=590.0nm$  HWL:  $148.7nm$   
 Render Index:  $Ra=80.6$   
 $R1 =78$   $R2 =85$   $R3 =92$   $R4 =81$   $R5 =79$   $R6 =81$   $R7 =86$   
 $R8 =62$   $R9 =-2$   $R10=66$   $R11=80$   $R12=62$   $R13=79$   $R14=96$   $R15=71$

**Photo Parameters:**

Flux:  $2692.8$  lm Fe:  $6.2552$  W Efficacy:  $125.8$  lm/W

**Electrical Parameters:**

Luminaire:  $U=230.1V$   $I=0.09900A$   $P=21.40W$   $PF=0.9420$   
 Lamp :  $U=0V$   $I=0A$   $P=0W$   $PF=0$

*Instrument Status:*

Scan Range:  $380.0nm-800.0nm$  Interval:  $5.0nm[0]$   $Ip=20552$  ( $G=5, D=56$ )  
 REF:  $32988$  ( $R=4$ )  $\%=-0.303\%$  PMT:  $26.9$  centigrade [ $150.0$ ]

Product Type: **LX400231**  
 Number: **155**  
 Temperature: **25.3 deg Test**  
 Operator: **LIANGXUEYING**  
 Software: **V2.00.100**

Manufacturer:  
 Test Department: **实验室**  
 Humidity: %  
 Test Date: **2024-09-09 19:50:51**  
 Instrument: **PMS-80\_V1** (SN: **910045**)

Model placed on the Union market from 16/01/2025



**EPREL registration number:** 2068831

<https://eprel.ec.europa.eu/qr/2068831>

**Supplier:** ENOVATEK GmbH (Importer)

**Website:** [www.enovatek.de](http://www.enovatek.de)

**Customer care service:**

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