

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: LX400101

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
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	20	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°)	2 000 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	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	108	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	104	
	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: LX400101
 Product Number: 2

Product Spec: 3000K

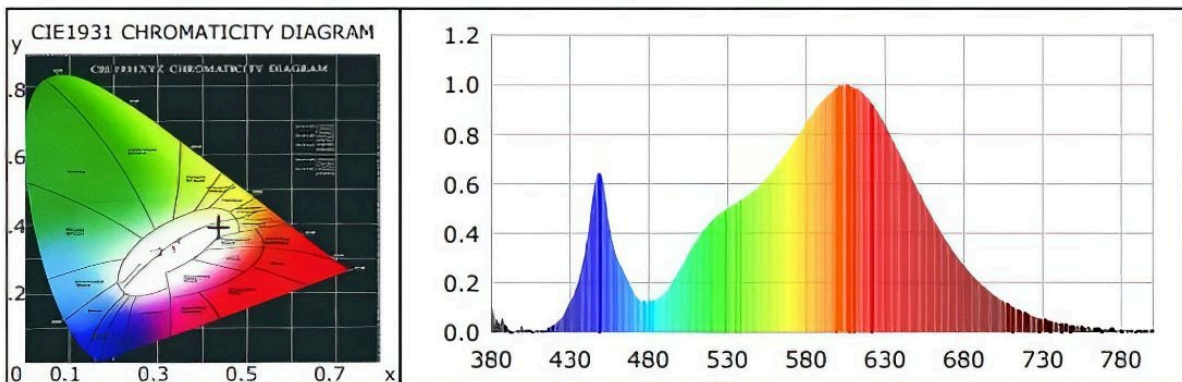
CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.4362$ $y=0.3944$ $u(u')=0.2544$ $v=0.3449$ $v'=0.5174$
 CCT: $T_c=2931K$ ($duv=-0.00382$) Color Ratio: $R=0.235$ $G=0.744$ $B=0.021$
 Peak Wavelength: 604.0nm Half Bandwidth: 127.0nm
 Dominant Wavelength: 584.6nm Color Purity: 0.493
 CRI: $R_a=81.7$ TM30: $R_f=79$, $R_g=100$

R1 =81	R2 =89	R3 =96	R4 =80	R5 =81	R6 =87	R7 =81	R8 =59
R9 =7	R10=75	R11=80	R12=70	R13=82	R14=98	R15=74	

 Color Quality Scale: $Q_a=79.6$, $Q_f=79.6$, $Q_p=84.6$, $Q_g=95.7$

Q1 =76	Q2 =97	Q3 =78	Q4 =77	Q5 =81	Q6 =80	Q7 =78	Q8 =82
Q9 =96	Q10=85	Q11=82	Q12=80	Q13=80	Q14=71	Q15=72	



Photometric Parameters

Luminous Flux: 1717.93 lm Efficiency: 87.20 lm/W Radiant Power: 5.274 W
 EEI: 0.16 Energy Efficiency Class: A+ (EU 874-2012)

Electric Parameters

Voltage: 230.80V Current: 0.0930A Power: 19.70W
 Power Factor: 0.9220 Frequency: 50.00Hz

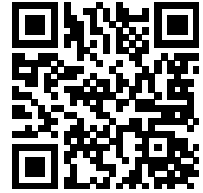
Test Information

Scan Range: 380~800:1nm	Photometric Method: sphere-spectroradiometer
Stabilization Time: 0 ms	Photometric Condition: Sphere diameter: 1.00m, 4π
Max of Signal: 19255 (38154)	CCD Integration Time: 191.38 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 03/04/2023



EPREL registration number: 1545517

<https://eprel.ec.europa.eu/qr/1545517>

Supplier: ENOVATEK GmbH (Importer)

Website: www.enovatek.de

Customer care service:

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