

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: LX400115

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
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	300	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°)	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 ^(a)	-	If yes, equivalent power (W)	-
		Chromaticity coordinates (x and y)	0,380 0,380
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: LX400115
Product Number: 1

Product Spec: 4000k

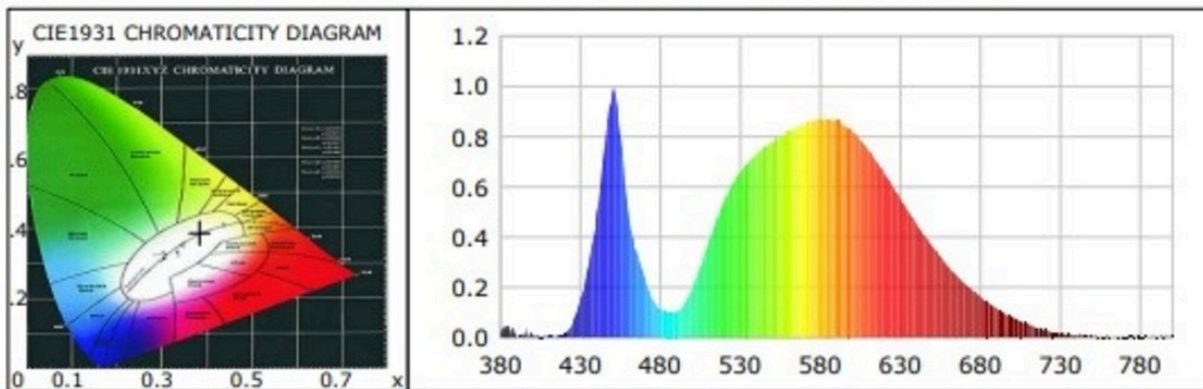
CIE Colorimetric Parameters

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

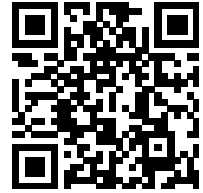
Scan Range: 380~800:1nm
 Stabilization Time: 0 ms
 Max of Signal: 9550 (37426)

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 03/04/2023



EPREL registration number: 1545859

<https://eprel.ec.europa.eu/qr/1545859>

Supplier: ENOVATEK GmbH (Importer)

Website: www.enovatek.de

Customer care service:

Name: ENOVATEK GmbH

Website: www.enovatek.de

Email: info@enovatek.de

Phone: +49 4461 / 7464233

Address:

Sillensteder Straße 213

26441 Jever

Germany