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: LX400227

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	50	Energy efficiency class	F
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	5 000 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	50,0	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	187	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page
Width	210		
Depth	45		

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 ϕ1)		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 Infomation

Product Type: LX400227 Product Spec: 4000K
Product Number: 4

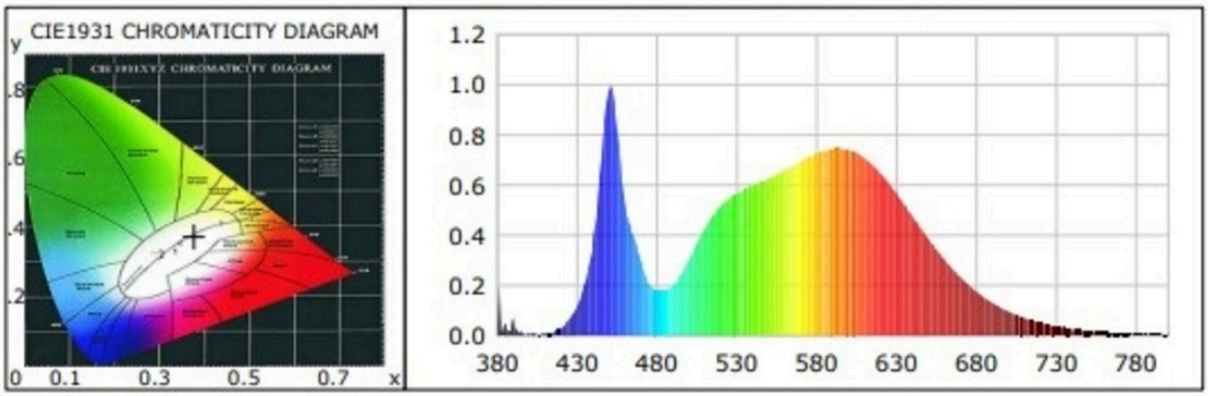
CIE Colorimetric Parameters

Chromaticity coordinates: x=0.3759 y=0.3726 u(u')=0.2238 v=0.3327 v'=0.4991
CCT: Tc=4096K (duv=-0.00061) Color Ratio: R=0.180 G=0.788 B=0.033
Peak Wavelength: 451.0nm Half Bandwidth: 18.3nm
Dominant Wavelength: 579.1nm Color Purity: 0.246
CRI: Ra= 81.7 TM30: Rf= 80, Rg= 96

R1 =80	R2 =87	R3 =91	R4 =81	R5 =80	R6 =82	R7 =86	R8 =66
R9 =8	R10=68	R11=80	R12=56	R13=82	R14=95	R15=75	

Color Quality Scale: Qa= 80.8, Qf= 80.6, Qp= 82.0, Qg= 93.8

Q1 =83	Q2 =98	Q3 =74	Q4 =72	Q5 =79	Q6 =81	Q7 =83	Q8 =88
Q9 =96	Q10=85	Q11=82	Q12=82	Q13=82	Q14=72	Q15=76	



Photometric Parameters

Luminous Flux: 4478.91 lm Efficiency: 88.52 lm/W Radiant Power: 13.630 W
EEI: 0.15 Energy Efficiency Class: A+ (EU 874-2012)

Electric Parameters

Voltage: 231.00V Current: 0.2240A Power: 50.60W
Power Factor: 0.9760 Frequency: 50.00Hz

Test Infomation
Scan Range: 380~800:1nm
Stabilization Time: 0 ms
Max of Signal: 16776 (37390)
Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 1.00m, 4∏
CCD Integration Time: 83.16 ms

Condition: Tx:0.0'C, Ti:0.0'C, R.H.:60%
Test Lab:
Operator:
Test Device: Inventfine CMS-2S (Plus)
Test Time:
Inspector:

Model placed on the Union market from 01/03/2024

EPREL registration number: 1855312

https://eprel.ec.europa.eu/qr/1855312

Supplier: ENOVATEK GmbH (Importer)

Website: www.enovatek.de

Customer care service:

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