

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: LX400221

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	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	105	
	Depth	55	
			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

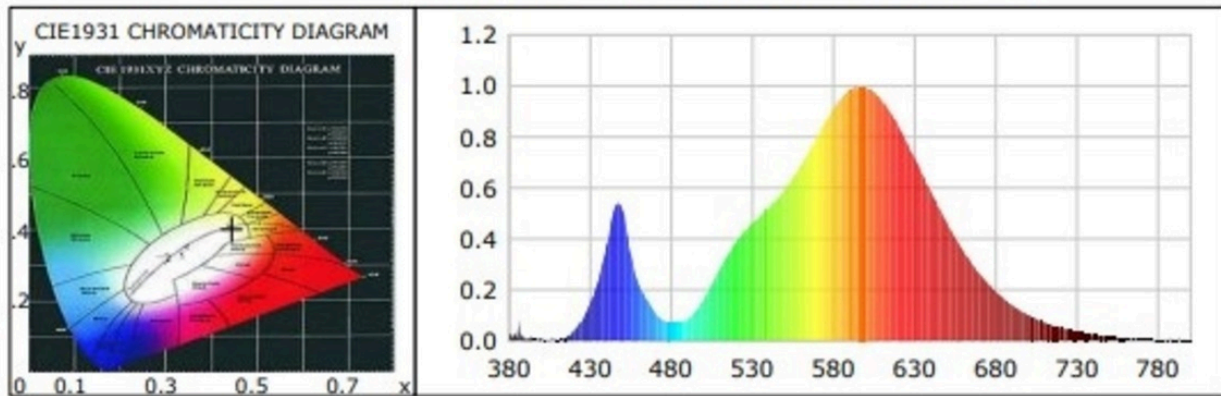
Product Information

Product Category: LED FLOOD LIGHT
Product Spec: 3000K

Product Type: LX400221
Product Number: 2

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.4438$ $y=0.4046$ $u(u')=0.2548$ $v=0.3484$ $v'=0.5226$
CCT: $T_c=2891K$ ($duv=-0.00069$) Color Ratio: $R=0.220$ $G=0.765$ $B=0.015$
Peak Wavelength: 593.1nm Half Bandwidth: 110.4nm
Dominant Wavelength: 583.5nm Color Purity: 0.547
CRI: $R_a=71.3$ TM30: $R_f=69$, $R_g=96$
 $R_1=68$ $R_2=81$ $R_3=93$ $R_4=68$ $R_5=67$ $R_6=75$ $R_7=76$ $R_8=42$
 $R_9=-34$ $R_{10}=57$ $R_{11}=63$ $R_{12}=49$ $R_{13}=70$ $R_{14}=96$ $R_{15}=60$
Color Quality Scale: $Q_a=71.3$, $Q_f=72.0$, $Q_p=74.6$, $Q_g=89.7$
 $Q_1=67$ $Q_2=96$ $Q_3=71$ $Q_4=66$ $Q_5=70$ $Q_6=69$ $Q_7=69$ $Q_8=77$
 $Q_9=95$ $Q_{10}=80$ $Q_{11}=75$ $Q_{12}=72$ $Q_{13}=73$ $Q_{14}=59$ $Q_{15}=61$



Photometric Parameters

Luminous Flux: 1754.52 lm
EEI: 0.16

Efficiency: 84.76 lm/W

Radiant Power: 4.972 W

Energy Efficiency Class: A+ (EU 874-2012)

Electric Parameters

Voltage: 231.70V
Power Factor: 0.9200

Current: 0.0970A
Frequency: 50.00Hz

Power: 20.70W

Test Information

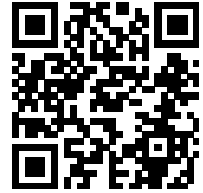
Scan Range: 380~800:1nm
Stabilization Time: 0 ms
Max of Signal: 18118 (37148)

Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 1.00m, 4T
CCD Integration Time: 180.99 ms

Condition: $T_x:0.0^{\circ}C$, $T_i:0.0^{\circ}C$, R.H.:60%
Test Lab:
Operator:

Test Device: Inventfine CMS-2S (Plus)
Test Time:
Inspector:

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



EPREL registration number: 1855286

<https://eprel.ec.europa.eu/qr/1855286>

Supplier: ENOVATEK GmbH (Importer)

Website: www.enovatek.de

Customer care service:

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