

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: LX400193

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°)	2 100 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	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	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page
	Width		
	Depth		

parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power ^(a)	-	If yes, equivalent power (W)	-	
		Chromaticity coordinates (x and y)	0,313 0,337	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	80	Survival factor	-	
the lumen maintenance factor	0,70			
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)	0,4	

(a) '-': not applicable;

(b) '-': not applicable;

Spectrum Test Report

Sample : LED
Specification : LX400191
Sample No. : 3
Manufacturer :

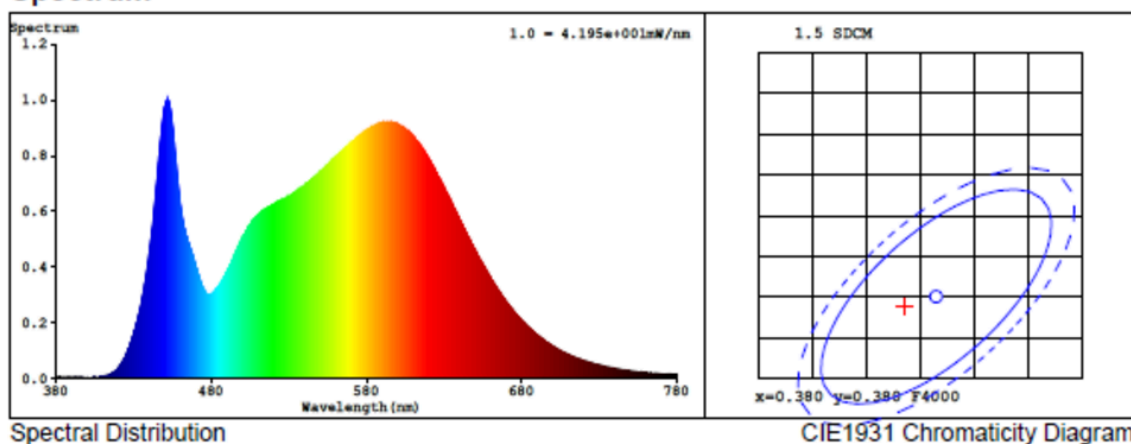
Date : 2022-02-21 09:52:13
Sam. Status : 向下照射
Instrument : HaasSuite(EVERFINE)
Test by : TXJ

Test Condition

Temperature : 25Deg
WL Range : 380nm-780nm
Test Mode : Fast Test

RH : 65.0%
IP : 50484 (77%)
T : 133 ms
Delicacy : High

Spectrum



Colorimetric Quantities

Chromaticity Coordinate: $x = 0.3771$ $y = 0.3788$ / $u' = 0.2221$ $v' = 0.5020$ ($duv=1.92e-03$)

$T_c = 4105K$ $Pr_{cp} WL: \lambda_d = 577.6nm$ Purity=26.8%

Peak WL: $\lambda_p = 452nm$ Half Width: $\Delta\lambda_p = 23.1nm$ Ratio: R=19.4% G=77.1% B=3.5%

Render Index: $R_a = 83.6$

R1 =81 R2 =90 R3 =96 R4 =82 R5 =82 R6 =86 R7 =86

R8 =64 R9 =7 R10=77 R11=82 R12=65 R13=84 R14=98 R15=75

Photometric & Radiometric Quantities

Flux = 2242.8 lm Eff. : 114.66 lm/W $F_e = 6.7889 W$

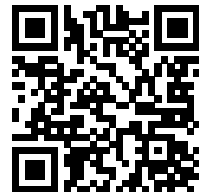
Electrical parameters

V = 230.6 V I = 0.1508 A P = 19.56 W PF = 0.5625

EVERFINE

<http://www.everfine.cn>

Model placed on the Union market from 01/07/2024



EPREL registration number: 2028456

<https://eprel.ec.europa.eu/qr/2028456>

Supplier: ENOVATEK GmbH (Importer)

Website: www.enovatek.de

Customer care service:

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