

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: LX-60-LR-4000

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	40	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°)	4 000 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	40,0	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	620	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	620	
	Depth	23	
			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	16	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)	0,4

(a)-: not applicable;

(b)-: not applicable;

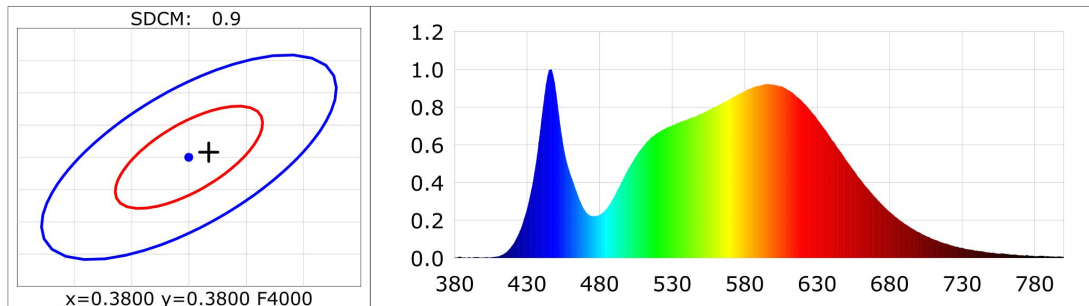
Lightsource Test Report

Product Information

Product Category: LED Frame Panel
Product Spec: 40W Splicing Frame Panel
Remark: Frame:595*595mm

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3817$ $y=0.3808$ $u(u')=0.2244$ $v=0.3357$ $v'=0.5035$
CCT: $T_c=3995K$ ($duv=0.00150$) Color Ratio: $R=0.184$ $G=0.783$ $B=0.033$
Peak Wavelength: 446.1nm Half Bandwidth: 21.5nm
Dominant Wavelength: 578.3nm Color Purity: 0.289
CRI: $R_a=83.7$ TM30: $R_f=85$, $R_g=98$
GAI: $GAI_BB_8=93.5$, $GAI_BB_15=97.7$, $GAI_EES=73.6$
 $R1=82$ $R2=87$ $R3=92$ $R4=85$ $R5=83$ $R6=84$ $R7=87$ $R8=69$
 $R9=16$ $R10=71$ $R11=85$ $R12=67$ $R13=83$ $R14=95$ $R15=77$
Color Quality Scale: $Q_a=84.5$, $Q_f=84.4$, $Q_p=85.1$, $Q_g=94.9$
 $Q1=83$ $Q2=98$ $Q3=81$ $Q4=81$ $Q5=85$ $Q6=85$ $Q7=86$ $Q8=91$
 $Q9=97$ $Q10=88$ $Q11=86$ $Q12=86$ $Q13=86$ $Q14=75$ $Q15=78$



Photometric Parameters

Luminous Flux: 3928.0 lm Efficiency: 98.87 lm/W Radiant Power: 12.036 W
Total mains efficacy: 98.87 lm/W Energy Efficiency Class: F (EU 2019/2015)

Electric Parameters

Voltage: 230.00V Current: 0.1800A Power: 39.73W
Power Factor: 0.9580 Frequency: 49.99Hz

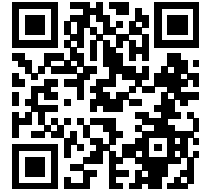
Test Information

Scan Range: 380~800:1nm Photometric Method: sphere-photometer (spec_rev)
Stabilization Time: 10 Min ALC.: 1.0000 Photometric Condition: Sphere diameter: 1.50m, 4 π
Max of Signal: 44118 (2619) CCD Integration Time: 260.43 ms

Condition: $T_x=25.6^\circ C$, $T_i=85.0^\circ C$, R.H.:60%
Test Lab: Department Of Quality Control
Operator: Yang

Test Device: Inventfine CMS-3000S
Test Time: 2022-04-14 14:38:04
Inspector:

Model placed on the Union market from 02/02/2024



EPREL registration number: 1930194

<https://eprel.ec.europa.eu/qr/1930194>

Supplier: ENOVATEK GmbH (Manufacturer)

Website: www.enovatek.de

Customer care service:

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