

Product Information Sheet

COMMISSION DELEGATED REGULATION (EU) 2019/2015 with regard to energy labelling of light sources

Supplier's name or trade mark: ENOVA

Supplier's address: ENOVATEK GmbH, Am Bullhamm 37, 26441 Jever, DE

Model identifier: ELED 600112

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	DLS
Light source cap-type (or other electric interface)	SMD		
Mains or non-mains:	MLS	Connected light source (CLS):	Nein
Colour-tuneable light source:	Nein	Envelope:	-
High luminance light source:	Nein		
Anti-glare shield:	Nein	Dimmable:	Yes

Product parameters

Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	36	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°)	3 600 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 or 4 000 or 6 000
On-mode power (P_{on}), expressed in W	36,0	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	Height	Spectral power distribution in the	See image in last page
	Width		
	Depth		

separate control gear, lighting control parts and non-lighting control parts, if any (millimetre)			range 250 nm to 800 nm, at full-load	
Claim of equivalent power ^(a)	-		If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,317 0,405
Parameters for directional light sources:				
Peak luminous intensity (cd)	1 503		Beam angle in degrees, or the range of beam angles that can be set	120
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

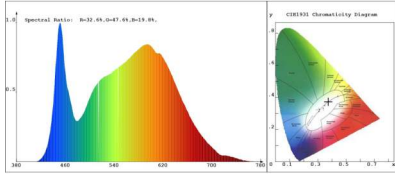
(a) '-': not applicable;

(b) '-': not applicable;

LED Test Report

Product Mark
 Product Type :
 Temperature :65°C
 Operator :admin
 Remark :

Manufacturer :BOHUA
 Humidity :65%
 Test Date :2021-05-14 17:59:14



Chroma Parameters
 Chro.Coor.:x=0.3731 y=0.3727 u=0.2219 v=0.3325 dw=0.0003
 CCT: 4179K Dominant Wave: 578.2nm Purity:23.8%
 Flux MGB Ratio:R1=1.1, R2=7.5, R3=1.7 Peak Wave:451.6nm Half Width:23.1nm

Rendering Index:Ra= 86.1
 R1 =85 R2 =92 R3 =94 R4 =85 R5 =85 R6 =88 R7 =88 R8 =70
 R9 =22 R10=80 R11=85 R12=65 R13=87 R14=98 R15=80

Photo Parameters
 Flux:4509.15lm EM:118.21m/W Radiant:12893.0mW Iv:0.0mcd
 Efficiency:0.115 EM Level:A (EU 874-2012)

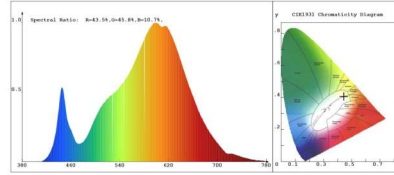
Ele. Parameters
 Voltage:U=228.600V Current:I=0.1760A
 Power:P=40.18W Power Factor:PF=0.346

Instrument state
 Instrument:Hpopoo SP8000 Integral Time: 52.493ms VPeak: 14906
 VDark: 1215 Scan Range: 380-780nm Product ID: 201306373

LED Test Report

Product Mark
 Product Type :
 Temperature :65°C
 Operator :admin
 Remark :

Manufacturer :BOHUA
 Humidity :65%
 Test Date :2021-05-14 18:01:04



Chroma Parameters
 Chro.Coor.:x=0.4442 y=0.4071 u=0.2539 v=0.3491 dw=0.0003
 CCT: 2946K Dominant Wave: 583.1nm Purity:55.4%
 Flux MGB Ratio:R1=2.1, R2=7.5, R3=1.3 Peak Wave:597.7nm Half Width:124.5nm

Rendering Index:Ra= 81.1
 R1 =78 R2 =88 R3 =97 R4 =82 R5 =81 R6 =88 R7 =81 R8 =56
 R9 =3 R10=74 R11=81 R12=72 R13=79 R14=99 R15=70

Photo Parameters
 Flux:4217.87lm EM:106.31m/W Radiant:11745.2mW Iv:0.0mcd
 Efficiency:0.128 EM Level:A (EU 874-2012)

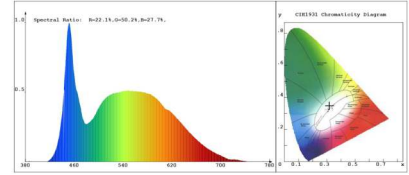
Ele. Parameters
 Voltage:U=228.400V Current:I=0.1830A
 Power:P=41.93W Power Factor:PF=0.349

Instrument state
 Instrument:Hpopoo SP8000 Integral Time: 49.211ms VPeak: 14842
 VDark: 1049 Scan Range: 380-780nm Product ID: 201306373

LED Test Report

Product Mark
 Product Type :
 Temperature :65°C
 Operator :admin
 Remark :

Manufacturer :BOHUA
 Humidity :65%
 Test Date :2021-05-14 17:57:39



Chroma Parameters
 Chro.Coor.:x=0.3178 y=0.3486 u=0.1941 v=0.3195 dw=0.0105
 CCT: 6145K Dominant Wave: 505.2nm Purity:4.7%
 Flux MGB Ratio:R1=1.0, R2=7.5, R3=1.8 Peak Wave:451.6nm Half Width:21.3nm

Rendering Index:Ra= 82.0
 R1 =78 R2 =87 R3 =94 R4 =80 R5 =80 R6 =83 R7 =88 R8 =47
 R9 =-1 R10=70 R11=79 R12=56 R13=80 R14=97 R15=72

Photo Parameters
 Flux:4491.14lm EM:113.41m/W Radiant:12915.2mW Iv:0.0mcd
 Efficiency:0.120 EM Level:A (EU 874-2012)

Ele. Parameters
 Voltage:U=228.700V Current:I=0.1920A
 Power:P=43.81W Power Factor:PF=0.348

Instrument state
 Instrument:Hpopoo SP8000 Integral Time: 34.535ms VPeak: 13642
 VDark: 1215 Scan Range: 380-780nm Product ID: 201306373