Product Information Sheet

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

Supplier's name or trade mark: gosund

Supplier's address: Wenbin Wang, Künkelstraße 43, 41063, DE

Model identifier: WB4

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
Light source cap-type (or other electric interface)	basic C value		
Mains or non-mains:	MLS	Connected light source (CLS):	Yes
Colour-tuneable light source:	Yes	Envelope:	-
High luminance light source:	Yes		
Anti-glare shield:	Yes	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	8	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)	800 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	2 700
On-mode power (P_{on}), expressed in W	8,0	Standby power (P_{sb}), expressed in W and rounded to the second decimal	0,49
Networked standby power (P_{net}) for CLS, expressed in W and rounded to the second decimal	0,49	Colour rendering index, rounded to the nearest integer, or the range of CRI-values that can be set	87
Outer dimensions without separate control gear, lighting control — Height	110	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page
Outer dimensions without separate control gear, lighting control — Width	60		
Outer dimensions without separate control gear, lighting control — Depth	60		

parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power[(a)]		Yes	If yes, equivalent power (W)	60
			Chromaticity coordinates (x and y)	0,440 0,380
Parameters for LED and OLED light sources:				
R9 colour rendering index value		87	Survival factor	1,00
the lumen maintenance factor		0,95		
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ1)		0,97	Colour consistency in McAdam ellipses	2
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)		0,1	Stroboscopic effect metric (SVM)	0,1

[(a)] '-' : not applicable;

[(b)] '-' : not applicable;

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Lightsource Test Report

Product Infomation

Product Category: smart bulb
Product Spec: 220V/50HZ 100%
Product Type: WB4-RTL
Product Number: 10

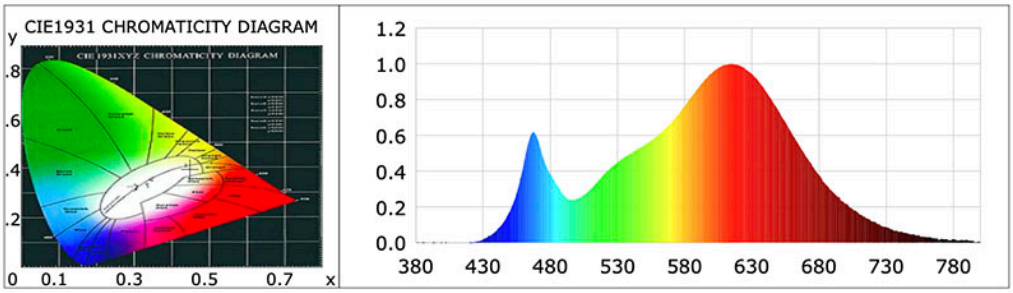
CIE Colorimetric Parameters

Chromaticity coordinates: x=0.4486 y=0.3977 u(u')=0.2610 v=0.3471 v'=0.5206
CCT: Tc=2761K (duv=-0.00386)
Color Ratio: R=0.261 G=0.705 B=0.034
Peak Wavelength: 615.5nm
Half Bandwidth: 129.2nm
Dominant Wavelength: 585.3nm
Color Purity: 0.541
CRI: Ra= 87.6
TM30: Rf= 84, Rg= 93

R1 =91	R2 =99	R3 =91	R4 =84	R5 =91	R6 =94	R7 =81	R8 =70
R9 =42	R10=99	R11=84	R12=79	R13=95	R14=97	R15=86	

Color Quality Scale: Qa= 85.8, Qf= 87.3, Qp= 89.0, Qg= 92.4

Q1 =82	Q2 =91	Q3 =91	Q4 =82	Q5 =80	Q6 =81	Q7 =87	Q8 =89
Q9 =94	Q10=95	Q11=90	Q12=88	Q13=87	Q14=82	Q15=82	



Photometric Parameters

Luminous Flux: 1142.03 lm
Efficiency: 163.61 lm/W
Radiant Power: 3.819 W
EEI: 0.08
Energy Efficiency Class: A++ (EU 874-2012)

Electric Parameters

Voltage: 230.00V
Current: 0.0520A
Power: 6.98W
Power Factor: 0.5810
Frequency: 49.99Hz

Test Infomation
Scan Range: 380~800:1nm
Stabilization Time: 10 Min
Max of Signal: 51357 (4051)
Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 1.50m, 4π
CCD Integration Time: 429.71 ms