

Product Information Sheet

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

Supplier's name or trade mark: Luca Bessoni

Supplier's address: Importabteilung, Römerstraße 39, 4600 Wels, AT

Model identifier: 81810716

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
Light source cap-type (or other electric interface)	LED Ceiling light		
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	24	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°)	2 500 in Sphere (360°)	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	24,0	Standby power (P_{sb}), expressed in W and rounded to the second decimal	0,40
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	83
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)	0,436 0,398	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	7	Survival factor	1,00	
the lumen maintenance factor	0,96			
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ_1)	0,90	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)	1,0	Stroboscopic effect metric (SVM)	0,4	

(a) : not applicable;

(b) : not applicable;

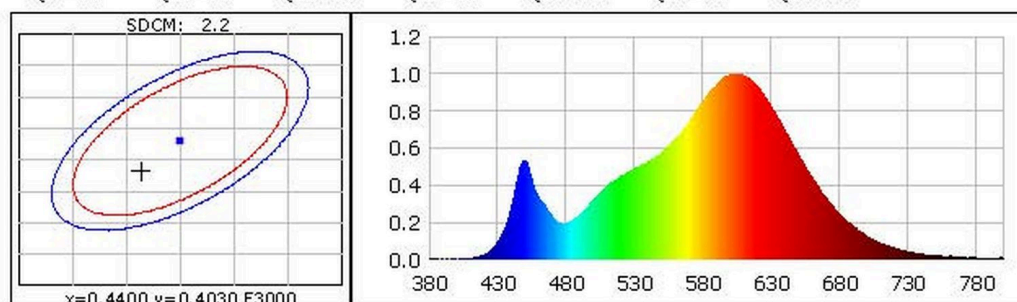
Lightsource Test Report (1/2)

Product Information

Product Number: 416080WD4裸灯

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.4363$ $y=0.3982$ $u(u')=0.2528$ $v=0.3460$ $v'=0.5189$
CCT: $T_c=2961K$ ($duv=-0.00229$) Color Ratio: $R=0.235$ $G=0.739$ $B=0.027$
Peak Wavelength: 604.2nm Half Bandwidth: 121.0nm
Dominant Wavelength: 583.8nm Color Purity: 0.505
CRI: $R_a=83.1$ TM30: $R_f=85$, $R_g=97$
GAI: $GAI_BB_8=100.1$, $GAI_BB_15=105.8$, $GAI_EES=56.4$
 $R1=82$ $R2=92$ $R3=95$ $R4=82$ $R5=83$ $R6=92$ $R7=81$ $R8=58$
 $R9=7$ $R10=83$ $R11=82$ $R12=77$ $R13=85$ $R14=98$ $R15=74$
Color Quality Scale: $Q_a=82.4$, $Q_f=83.6$, $Q_p=84.9$, $Q_g=92.9$
 $Q1=77$ $Q2=95$ $Q3=83$ $Q4=81$ $Q5=84$ $Q6=85$ $Q7=84$ $Q8=85$
 $Q9=95$ $Q10=89$ $Q11=86$ $Q12=83$ $Q13=82$ $Q14=72$ $Q15=73$



Photometric Parameters

Luminous Flux: 2567.34 lm Efficiency: 107.29 lm/W Radiant Power: 7.497 W
Total mains efficacy: 107.29 lm/W Energy Efficiency Class: F (EU 2019/2015)
Pupil Flux: 3129.99 Plm Pupil Lumens Per Watt: 130.80 Plm/W Pupil Factor (Kp): 1.264

Electric Parameters

Voltage: 232.20V Current: 0.1080A Power: 23.93W
Power Factor: 0.9520 Frequency: 50.00Hz

Test Information

Scan Range: 380~800:1nm
Stabilization Time: 0 ms ALC: 1.0000
Max of Signal: 45681 (3306)

Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 1.50m, 4 π
CCD Integration Time: 234.68 ms

Condition: $T_x: 35.3^\circ C$, $T_i: 35.3^\circ C$, R.H.: 60%
Test Lab:
Operator:

Test Device: Inventfine CMS-2S (Plus)
Test Time: 2021-09-13 10:09:23
Inspector: