Product Information Sheet

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

Supplier's name or trade mark: ELMARK

Supplier's address: ELMARK INDUSTRIES SC, bul.Dobrudja 2, 9300 Dobrich Dobrich, BG

Model identifier: 92EL142040/WHBK

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	DLS
Light source cap-type (or other electric interface)	Integrated LED		
Mains or non-mains:	MLS	Connected light source (CLS):	No
Colour-tuneable light source:	No	Envelope:	-
High luminance light source:	Yes		
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 (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	1 900 in Narrow cone (90°)	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	20,9	Standby power (P_{sb}), expressed in W and rounded to the second decimal	0,00
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	81
Outer dimensions without separate control gear, lighting control — Height	270	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	35		
Outer dimensions without separate control gear, lighting control — Depth	66		

parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power[(a)]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,375 0,372
Parameters for directional light sources:				
Peak luminous intensity (cd)		6 579	Beam angle in degrees, or the range of beam angles that can be set	30
Parameters for LED and OLED light sources:				
R9 colour rendering index value		0	Survival factor	0,50
the lumen maintenance factor		0,95		
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ1)		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)		0,0	Stroboscopic effect metric (SVM)	0,0

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

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

Product Infomation

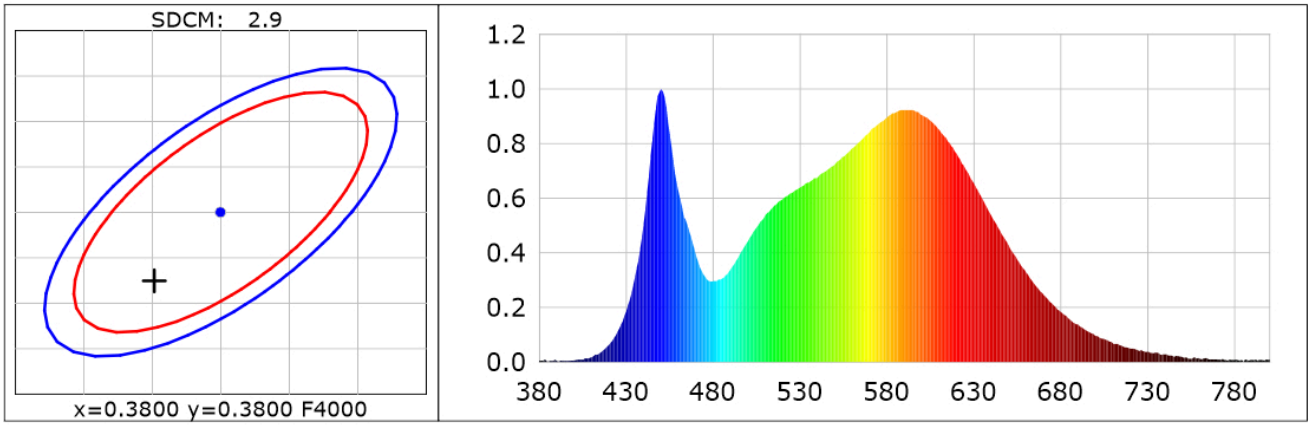
Product Category: COB筒灯
Product Type: BL014-20W 4000K
Product Number: 7
Submitted Unit: WH
Buyer: BARON

Spectrum Test Report

CIE Colorimetric Parameters

Chromaticity coordinates: x=0.3751 y=0.3724 u(u')=0.2233 v=0.3326 v'=0.4989
CCT: Tc=4117K (duv=-0.00045)
Color Ratio: R=0.178 G=0.784 B=0.038
Peak Wavelength: 450nm
Half Bandwidth: 25.4nm
Dominant Wavelength: 579.9nm
Color Purity: 0.244
CRI: Ri: Ra= 81.9

R1 =80	R2 =89	R3 =95	R4 =81	R5 =81	R6 =85	R7 =84	R8 =62
R9 =0	R10=74	R11=79	R12=64	R13=82	R14=97	R15=73	



Photometric Parameters

Luminous Flux: 1942.6 lm
Efficiency: 92.95 lm/W
Radiant Power: 5.862 W

Electric Parameters

Voltage: 231.20V
Current: 0.0950A
Power: 20.90W
Power Factor: 0.9440
Frequency: 49.96Hz

Test Infomation
Scan Range: 380nm~800nm:1nm
Stabilization Time: 0 ms
Max of Signal: 54015 (3440)

Photometric Method:
Photometric Condition: Sphere diameter: 1.50m, 4∏
CCD Integration Time: 497.09 ms

Condition: Tx:29.9'C, Ti:30.6'C
Test Device: Inventfine CMS-2S (Plus)
Test Lab:
Test Time: 2022-07-22 19:12:27
Operator:
Inspector: