

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: 92EL142030/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 (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	1 800 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	3 000
On-mode power (P_{on}), expressed in W	20,8	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
	Width	66	
	Depth	35	
			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)	0,435 0,400
Parameters for directional light sources:			
Peak luminous intensity (cd)	5 716	Beam angle in degrees, or the range of beam angles that can be set	32
Parameters for LED and OLED light sources:			
R9 colour rendering index value	1	Survival factor	0,50
the lumen maintenance factor	0,95		
Parameters for LED and OLED mains light sources:			
displacement factor (cos ϕ_1)	0,90	Colour consistency in McAdam ellipses	3
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;

Spectrum Test Report

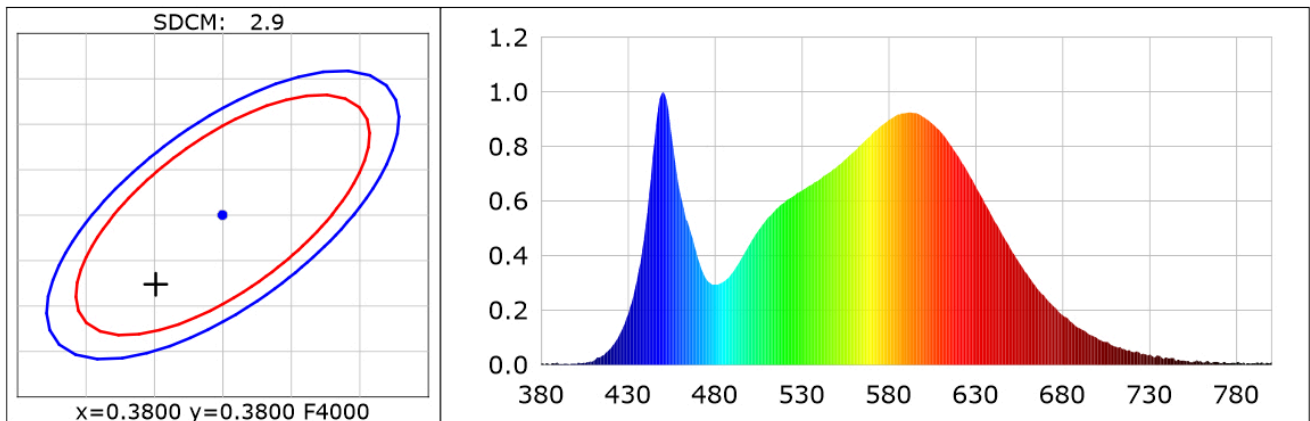
Product Information

Product Category: COB线条灯
Product Number: 2
Buyer: BARON

Product Type: BL014-10W 4000K
Submitted Unit: WH

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3751$ $y=0.3724$ $u(u')=0.2233$ $v=0.3326$ $v'=0.4988$
CCT: $T_c=4118K$ ($duv=-0.00047$) Color Ratio: $R=0.177$ $G=0.785$ $B=0.038$
Peak Wavelength: 450nm Half Bandwidth: 25.4nm
Dominant Wavelength: 579.9nm Color Purity: 0.243
CRI: R_i : $R_a=81.8$
 $R1=80$ $R2=89$ $R3=95$ $R4=81$ $R5=81$ $R6=85$ $R7=84$ $R8=61$
 $R9=0$ $R10=73$ $R11=79$ $R12=64$ $R13=82$ $R14=97$ $R15=73$



Photometric Parameters

Luminous Flux: 962.9 lm Efficiency: 88.34 lm/W Radiant Power: 2.901 W

Electric Parameters

Voltage: 227.60V Current: 0.0920A Power: 10.90W
Power Factor: 0.5160 Frequency: 49.96Hz

Test Information

Scan Range: 380nm~800nm:1nm
Stabilization Time: 0 ms
Max of Signal: 54546 (3688)

Photometric Method:
Photometric Condition: Sphere diameter: 1.50m, 4 π
CCD Integration Time: 1011.80 ms

Condition: $T_x=29.8^\circ C$, $T_i=30.6^\circ C$
Test Lab:
Operator:

Test Device: Inventfine CMS-2S (Plus)
Test Time: 2022-07-22 18:54:34
Inspector: