

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: 92EL64531230/WH

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	12	Energy efficiency class	G
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°)	800 in Nar-row 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	12,0	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	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page
	Width		
	Depth		

parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power ^(a)	-	If yes, equivalent power (W)	-	
		Chromaticity coordinates (x and y)	0,437 0,403	
Parameters for directional light sources:				
Peak luminous intensity (cd)	2 471	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	1	Survival factor	0,50	
the lumen maintenance factor	0,95			
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ_1)	0,80	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)	0,2	

(a) '-': not applicable;

(b) '-': not applicable;

Spectrum Test Report

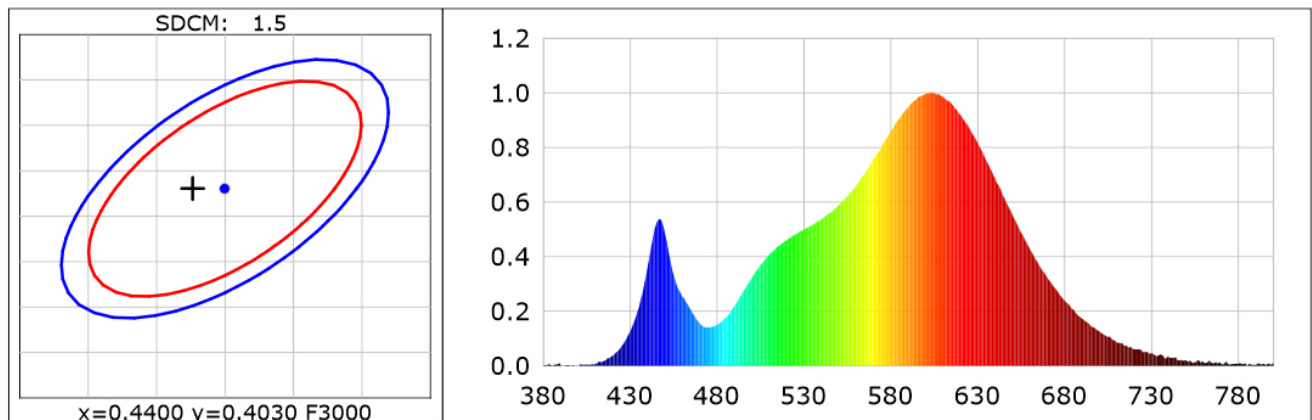
Product Information

Product Category: COB 筒灯
Product Number: 44
Buyer: BARON

Product Type: BR6453-12W 3000K
Submitted Unit: WH

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.4376$ $y=0.4030$ $u(u')=0.2515$ $v=0.3474$ $v'=0.5211$
CCT: $T_c=2980K$ ($duv=-0.00052$) Color Ratio: $R=0.230$ $G=0.747$ $B=0.023$
Peak Wavelength: 604nm Half Bandwidth: 123.9nm
Dominant Wavelength: 584.1nm Color Purity: 0.523
CRI: R_i : $R_a=81.9$
 $R1=80$ $R2=89$ $R3=97$ $R4=81$ $R5=81$ $R6=88$ $R7=81$ $R8=57$
 $R9=1$ $R10=77$ $R11=82$ $R12=74$ $R13=82$ $R14=99$ $R15=72$



Photometric Parameters

Luminous Flux: 799.0 lm

Efficiency: 65.49 lm/W

Radiant Power: 2.385 W

Electric Parameters

Voltage: 230.10V

Current: 0.0650A

Power: 12.20W

Power Factor: 0.8160

Frequency: 50.01Hz

Test Information

Scan Range: 380nm~800nm:1nm
Stabilization Time: 0 ms
Max of Signal: 48664 (3828)

Photometric Method:
Photometric Condition: Sphere diameter: 1.50m, 4T
CCD Integration Time: 1217.93 ms

Condition: $T_x:30.4^{\circ}C$, $T_i:31.1^{\circ}C$
Test Lab:
Operator:

Test Device: Inventfine CMS-2S (Plus)
Test Time: 2022-07-27 15:43:19
Inspector: