

# 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:** 92M6215W60

## Type of light source:

Lighting technology used:	LED	Non-directional or directional:	DLS
Light source cap-type (or other electric interface)	Integrated COB LED		
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:	Yes

## Product parameters

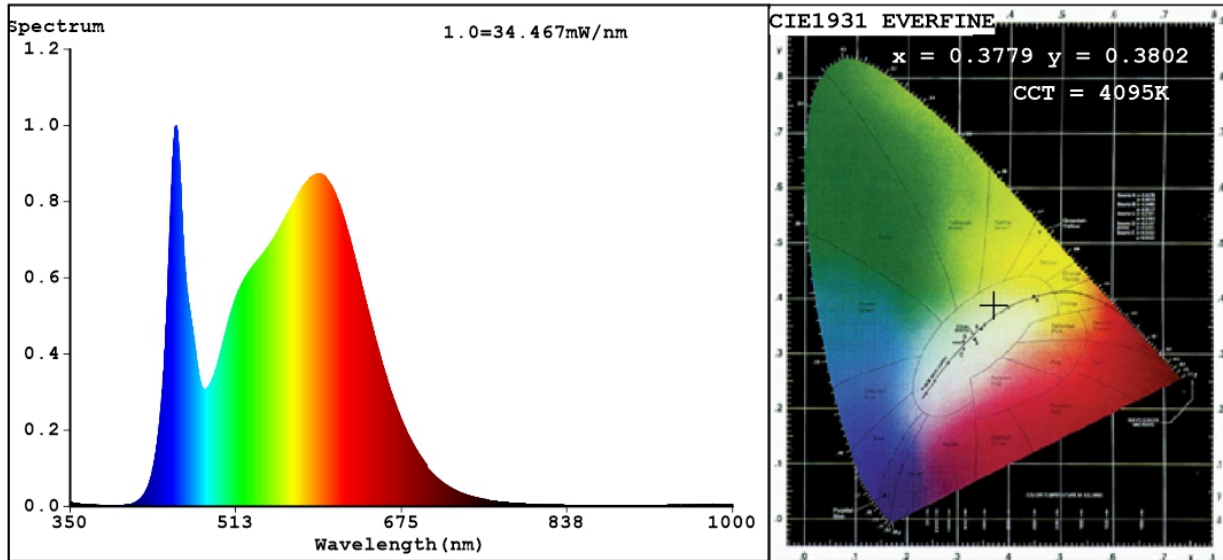
Parameter	Value	Parameter	Value
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	18	Energy efficiency class	F
Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	2 000 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	13,9	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	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 <sup>(a)</sup>	-	If yes, equivalent power (W)	-
		Chromaticity coordinates (x and y)	0,377 0,380
<b>Parameters for directional light sources:</b>			
Peak luminous intensity (cd)	454	Beam angle in degrees, or the range of beam angles that can be set	60
<b>Parameters for LED and OLED light sources:</b>			
R9 colour rendering index value	7	Survival factor	0,90
the lumen maintenance factor	0,93		
<b>Parameters for LED and OLED mains light sources:</b>			
displacement factor (cos $\phi_1$ )	0,50	Colour consistency in McAdam ellipses	0
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**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.3779$   $y=0.3802$  /  $u'=0.2221$   $v'=0.5027$   
 CCT=4095K (Duv=0.0024) Dominant WL:Ld =577.4nm WL:Lc = --nm Purity=27.5%  
 Ratio:R=17.9% G=78.1% B=4.0%; Peak WL:Lp=454.3nm FWHM=23.7nm  
 Render Index:Ra=83.3 AvgR=76.5 TM30:Rf=84 Rg=93 Lav=568.1nm

R1 =82	R2 =91	R3 =96	R4 =81	R5 =81	R6 =87	R7 =86	
R8 =64	R9 =8	R10=78	R11=79	R12=60	R13=84	R14=98	R15=75

**Photo Parameters:**

Flux = 1749 lm Eff. : 102.27 lm/W Fe = 5.294 W

**Electrical parameters:**

V = 220.00 V I = 0.1983 A P = 17.10 W PF = 0.3920

WHITE:ANSI\_4000K

Status: Integral T = 31 ms Ip = 45724 (70%)

Model: LED INTERIOR LIGHTING  
 Tester:Atanas DAKOV  
 Temperature:25.3Deg  
 Manufacturer:ELMARK

Number:92M6215W60  
 Date:2022-02-04 11:45:12  
 Humidity:65.0%  
 Remarks:8369