

# 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:** 95BRILLIANCE24

## 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:	No		
Anti-glare shield:	No	Dimmable:	No

## Product parameters

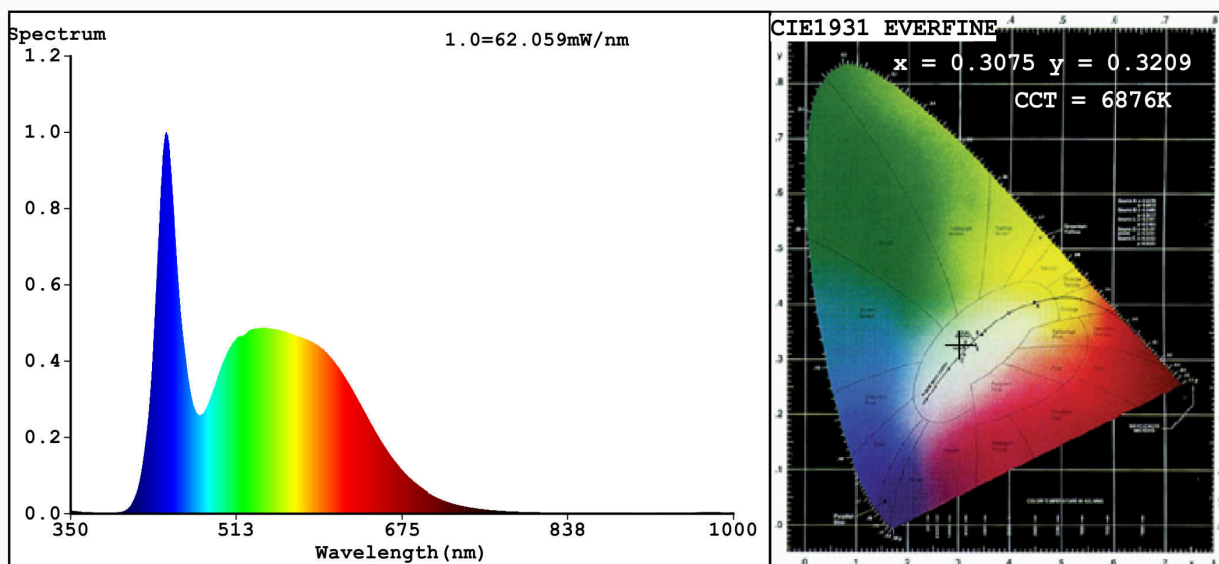
Parameter	Value	Parameter	Value
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	24	Energy efficiency class	F
Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	1 900 in Wide cone (120°)	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	6 500
On-mode power ( $P_{on}$ ), expressed in W	24,7	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	85
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)	0,307 0,320	
<b>Parameters for directional light sources:</b>				
Peak luminous intensity (cd)	443	Beam angle in degrees, or the range of beam angles that can be set	110	
<b>Parameters for LED and OLED light sources:</b>				
R9 colour rendering index value	26	Survival factor	0,50	
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	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;

## Spectrum Test Report



### Color Parameters:

Chromaticity Coordinate:  $x=0.3075$   $y=0.3209$   $u'=0.1973$   $v'=0.4631$

CCT=6876K(Duv=0.0017) Dominant WL:Ld =485.3nm Purity=9.7%

Ratio:R=13.6% G=80.7% B=5.7%; Peak WL:Lp=443.8nm FWHM=26.2nm

Render Index:Ra=85.1

R1 =85	R2 =87	R3 =87	R4 =87	R5 =87	R6 =83	R7 =88
R8 =77	R9 =26	R10=68	R11=88	R12=71	R13=85	R14=93
						R15=81

### Photo Parameters:

Flux = 1983 lm Eff. : 80.22 lm/W Fe = 6.742 W

### Electrical parameters:

V = 230.07 V I = 0.2133 A P = 24.73 W PF = 0.5038

WHITE:ANSI\_6500K

Status: Integral T = 13 ms Ip = 43627 (67%)

Model:LED BRILLIANCE/24W  
Tester:Petya Marinova  
Temperature:25.3Deg  
Manufacturer:ELMARK

Number:95BRILLIANCE24  
Date:2018-07-30 12:59  
Humidity:65.0%  
Remarks:018V008A\_4729