

# 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:** 9BR55LEDCWE

## 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

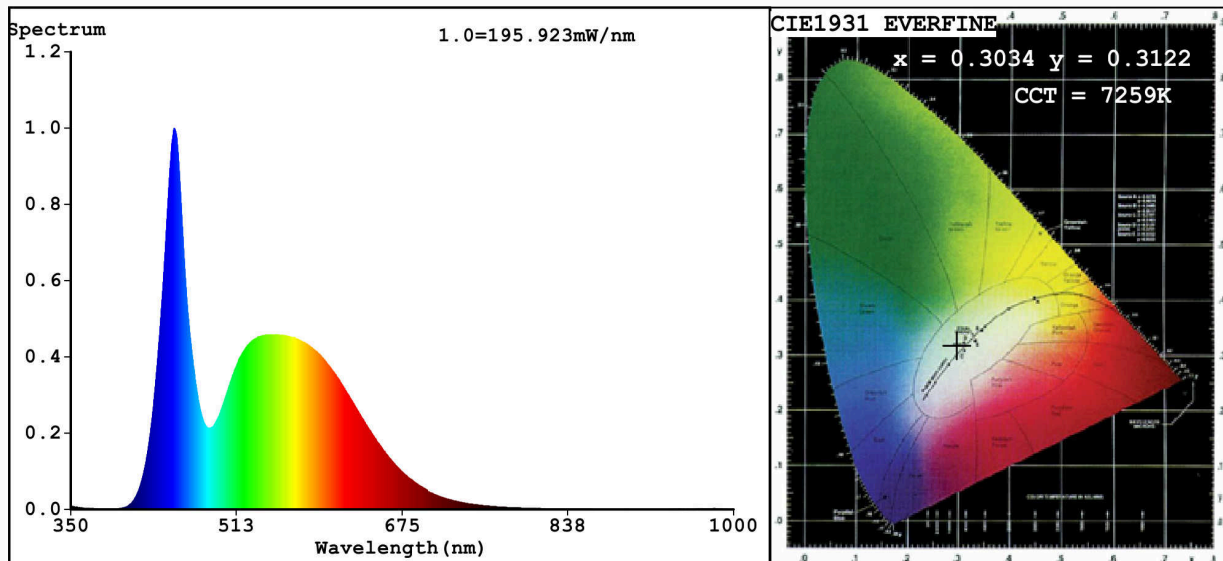
Parameter	Value	Parameter	Value
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	55	Energy efficiency class	E
Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	5 773 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	6 000
On-mode power ( $P_{on}$ ), expressed in W	55,0	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	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)	0,303 0,312	
<b>Parameters for directional light sources:</b>				
Peak luminous intensity (cd)	1 975	Beam angle in degrees, or the range of beam angles that can be set	120	
<b>Parameters for LED and OLED light sources:</b>				
R9 colour rendering index value	20	Survival factor	0,90	
the lumen maintenance factor	1,00			
<b>Parameters for LED and OLED mains light sources:</b>				
displacement factor (cos $\phi_1$ )	0,90	Colour consistency in McAdam ellipses	4	
Claims that an LED light source replaces a fluorescent light source without integrated ballast of a particular wattage.	Yes <sup>(b)</sup>	If yes then replacement claim (W)	54	
Flicker metric (Pst LM)	0,4	Stroboscopic effect metric (SVM)	1,0	

(a) - : not applicable;

(b) - : not applicable;

## Spectrum Test Report



### Color Parameters:

Chromaticity Coordinate:  $x=0.3034$   $y=0.3122$   $u'=0.1977$   $v'=0.4576$   
 CCT=7259K (Duv=-0.0007) Dominant WL:Ld =482.0nm WL:Lc = --nm Purity=12.0%  
 Ratio:R=13.2% G=81.1% B=5.7% ; Peak WL:Lp=451.6nm FWHM=27.4nm  
 Render Index:Ra=83.5

R1 =83	R2 =87	R3 =86	R4 =85	R5 =83	R6 =80	R7 =89
R8 =75	R9 =20	R10=65	R11=83	R12=58	R13=84	R14=92
						R15=81

### Photo Parameters:

Flux = 5773 lm Eff. : 109.04 lm/W Fe = 19.56 W

### Electrical parameters:

V = 219.81 V I = 0.2517 A P = 52.95 W PF = 0.9571  
 WHITE:OUT

Status: Integral T = 7 ms Ip = 43968 (67%)

Model: LIGHTING SOLUTIONS  
 Tester:Atanas DAKOV  
 Temperature:25.3Deg  
 Manufacturer:ELMARK

Number:9BR55LEDCW  
 Date:2020-03-04 15:36:44  
 Humidity:65.0%  
 Remarks:6506