

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: 9BR20LEDCW

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
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

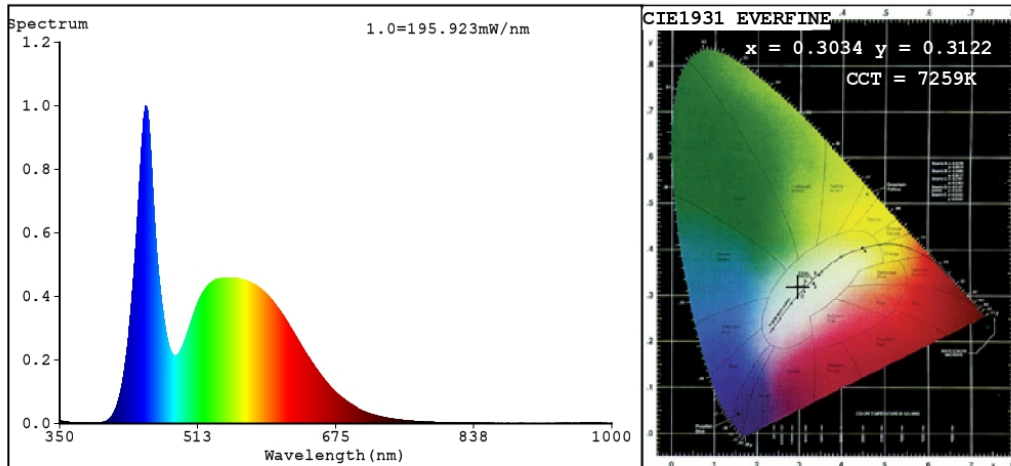
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	20	Energy efficiency class	E
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	2 400 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	20,0	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)	0,380 0,379	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	1	Survival factor	0,90	
the lumen maintenance factor	1,00			
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ_1)	0,90	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: $x=0.3034$ $y=0.3122$ $u'=0.1977$ $v'=0.4576$
 $CCT=7259K$ ($Duv=-0.0007$) Dominant WL: $L_d = 482.0nm$ WL: $L_c = --nm$ Purity=12.0%
 Ratio: $R=13.2\%$ $G=81.1\%$ $B=5.7\%$; Peak WL: $L_p=451.6nm$ FWHM=27.4nm
 Render Index: $R_a=83.5$

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 $F_e = 19.56 W$

Electrical parameters:

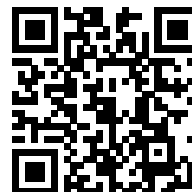
$V = 219.81 V$ $I = 0.2517 A$ $P = 52.95 W$ PF = 0.9571
 WHITE:OUT

~~Status: Integral T = 7 ms $I_p = 43968 (67\%)$~~

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

Model placed on the Union market from 01/06/2020.



EPREL registration number: 718774

<https://eprel.ec.europa.eu/qr/718774>

Supplier: ELMARK INDUSTRIES SC (Importer)

Website: www.elmarkholding.eu

Customer care service:

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