

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: 9BR40LEDE

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

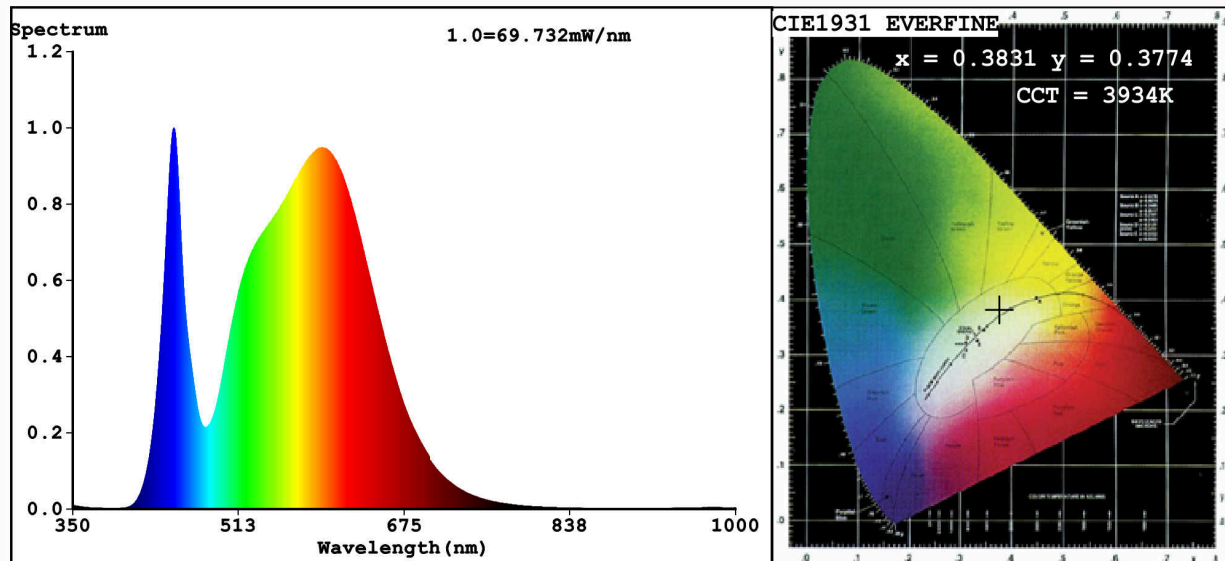
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	40	Energy efficiency class	E
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	3 800 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	3 800
On-mode power (P_{on}), expressed in W	40,0	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	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 ^(a)	-	If yes, equivalent power (W)	-	
		Chromaticity coordinates (x and y)	0,383 0,377	
Parameters for directional light sources:				
Peak luminous intensity (cd)	1 202	Beam angle in degrees, or the range of beam angles that can be set	124	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	10	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.	Yes ^(b)	If yes then replacement claim (W)	36	
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: $x=0.3831$ $y=0.3774$ / $u'=0.2266$ $v'=0.5022$
 CCT=3934K (Duv=-0.0005) Dominant WL: $\lambda_d = 579.6\text{nm}$ WL: $\lambda_c = \text{--nm}$ Purity=28.2%
 Ratio: R=18.5% G=78.4% B=3.1%; Peak WL: $\lambda_p = 449.2\text{nm}$ FWHM=23.7nm
 Render Index: $R_a = 81.8$

R1 =81	R2 =87	R3 =91	R4 =82	R5 =80	R6 =82	R7 =86
R8 =66	R9 =10	R10=68	R11=81	R12=61	R13=82	R14=95 R15=75

Photo Parameters:

Flux = 3838 lm Eff. : 107.24 lm/W $\Phi_e = 11.76\text{ W}$

Electrical parameters:

V = 219.95 V I = 0.1691 A P = 35.79 W PF = 0.9623
 WHITE: ANSI_4000K

Status: Integral T = 17 ms $I_p = 49626$ (76%)

Model: BELLA LUMINARE
 Tester: Atanas DAKOV
 Temperature: 25.3Deg
 Manufacturer: ELMARK

Number: 9BR40LED
 Date: 2021-01-27 11:12:22
 Humidity: 65.0%
 Remarks: 7293