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: 9BR40LEDCWE

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

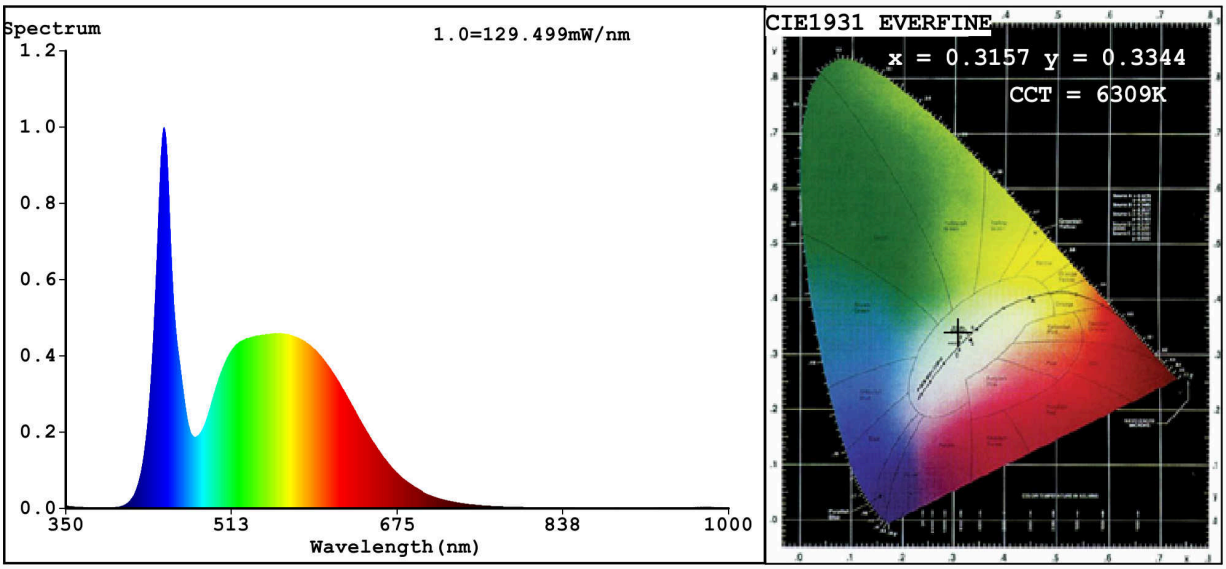
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	40	Energy efficiency class	E
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	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	6 309
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	1 200	Spectral power distribution in the	See image in last page
Outer dimensions without — Width	80		
Outer dimensions without — Depth	70		

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]		Yes	If yes, equivalent power (W)	36
			Chromaticity coordinates (x and y)	0,315 0,334
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		3	Survival factor	0,90
the lumen maintenance factor		1,00		
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ1)		0,90	Colour consistency in McAdam ellipses	0
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)	33
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=0.3157 y=0.3344/u'=0.1979 v'=0.4716

CCT=6309K(Duv=0.0045) Dominant WL:Ld =0.0nm WL:Lc = --nm Purity=1.3%

Ratio:R=13.4% G=81.7% B=5.0%¡¡Peak WL:Lp=446.5nm FWHM=19.9nm

Render Index:Ra=81.2

R1 =79	R2 =84	R3 =87	R4 =83	R5 =81	R6 =79	R7 =86	
R8 =70	R9 =3	R10=62	R11=83	R12=61	R13=80	R14=93	R15=74

Photo Parameters:

Flux = 3863 lm Eff. : 102.25 lm/W Fe = 12.41 W

Electrical parameters:

V = 220.00 V I = 0.1786 A P = 37.78 W PF = 0.9616

WHITE:ANSI_6500K

~~Status: Integral T = 9 ms Ip = 48774 (74%)~~

Model:BELLA LUMINAIRE	Number:9BR40LEDCW
Tester:Atanas DAKOV	Date:2021-02-10 16:13:40
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:7388