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: 99LED623IP65CW

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):	Yes
Colour-tuneable light source:	No	Envelope:	-
High luminance light source:	Yes		
Anti-glare shield:	No	Dimmable:	No

Product parameters

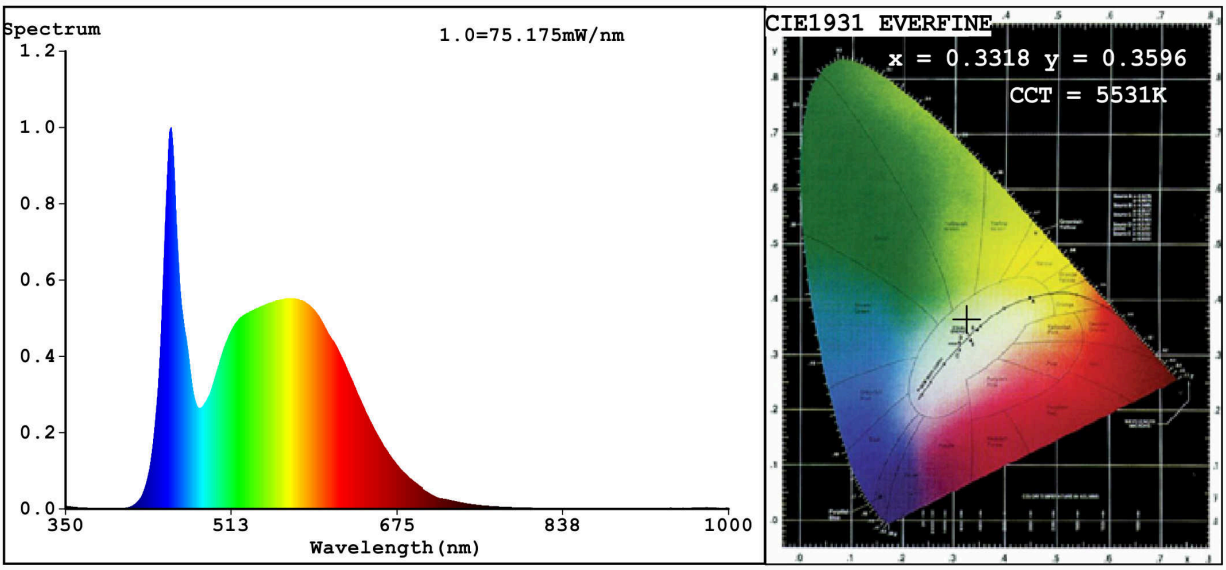
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	23	Energy efficiency class	F
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	2 000 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	23,5	Standby power (P_{sb}), expressed in W and rounded to the second decimal	0,20
Networked standby power (P_{net}) for CLS, expressed in W and rounded to the second decimal	0,20	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	240	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page
Outer dimensions without separate control gear, lighting control — Width	240		
Outer dimensions without separate control gear, lighting control — Depth	39		

parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power[(a)]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,331 0,359
Parameters for directional light sources:				
Peak luminous intensity (cd)		811	Beam angle in degrees, or the range of beam angles that can be set	113
Parameters for LED and OLED light sources:				
R9 colour rendering index value		0	Survival factor	0,50
the lumen maintenance factor		0,93		
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ1)		0,40	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=0.3318 y=0.3596/u'=0.1995 v'=0.4866

CCT=5531K(Duv=0.0095) Dominant WL:Ld =551.6nm WL:Lc = --nm Purity=7.5%

Ratio:R=13.9% G=81.0% B=5.1%¡¡Peak WL:Lp=453.6nm FWHM=21.0nm

Render Index:Ra=81.1 AvgR=73.4 TM30:Rf=83 Rg=92 Lav=547.8nm

R1 =77	R2 =87	R3 =94	R4 =79	R5 =79	R6 =83	R7 =87	
R8 =63	R9 =0	R10=70	R11=78	R12=55	R13=80	R14=97	R15=71

Photo Parameters:

Flux = 2684 lm Eff. : 114.10 lm/W Fe = 8.215 W

Electrical parameters:

V = 225.00 V I = 0.2145 A P = 23.52 W PF = 0.4874

WHITE:OUT

Status: Integral T = 16 ms Ip = 51002 (78%)

Model:LED PANEL ROUND	Number:99LED623IP65CW
Tester:Atanas DAKOV	Date:2021-07-29 09:33:15
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:7593