

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: 99LED609IP65CWE

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:	No		
Anti-glare shield:	No	Dimmable:	No

Product parameters

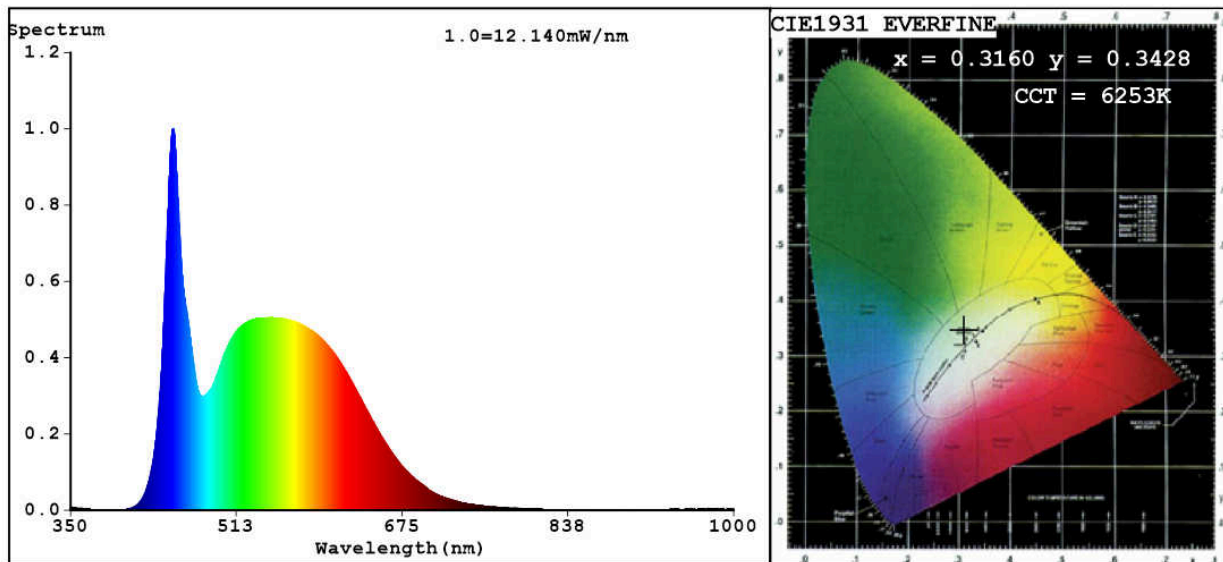
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	5	Energy efficiency class	F
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	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	6 300
On-mode power (P_{on}), expressed in W	5,2	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	84
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)	0,316 0,342	
Parameters for directional light sources:				
Peak luminous intensity (cd)	449	Beam angle in degrees, or the range of beam angles that can be set	120	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	11	Survival factor	0,50	
the lumen maintenance factor	0,95			
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ_1)	0,50	Colour consistency in McAdam ellipses	5	
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)	0,6	Stroboscopic effect metric (SVM)	0,2	

(a) '-': not applicable;

(b) '-': not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3160$ $y=0.3428$ $u'=0.1950$ $v'=0.4760$

CCT=6253K(Duv=0.0086) Dominant WL:Ld =498.9nm Purity=5.4%

Ratio:R=13.5% G=80.7% B=5.8%; Peak WL:Lp=449.9nm FWHM=23.6nm

Render Index:Ra=84.5

R1 =82	R2 =89	R3 =94	R4 =83	R5 =83	R6 =85	R7 =90
R8 =71	R9 =11	R10=74	R11=83	R12=61	R13=84	R14=97
						R15=76

Photo Parameters:

Flux = 404.1 lm Eff. : 76.35 lm/W Fe = 1.299 W

Electrical parameters:

V = 230.03 V I = 0.04269 A P = 5.292 W PF = 0.5390

WHITE:ANSI_6500K

Status: Integral T = 81 ms Ip = 42939 (66%)

Model:WATERPROOF LED PANEL ROUND/5W	Number:99LED609IP65CW
Tester:Petya Marinova	Date:2018-06-13 10:45
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:017V077B_4535