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: 99LED609IP44CWE

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

Product parameters

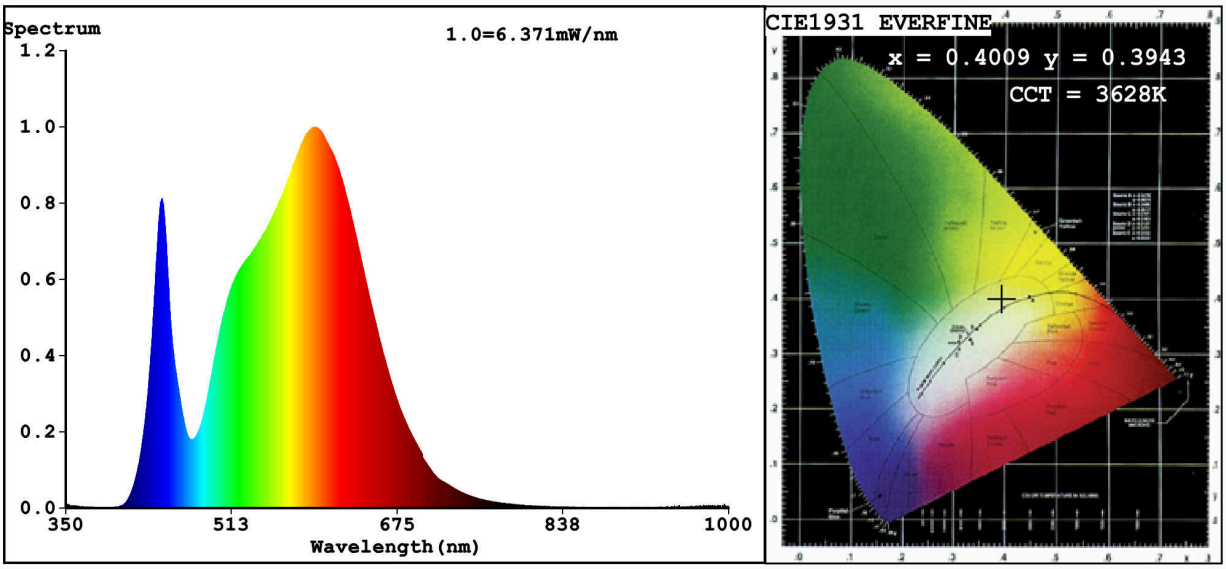
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	5	Energy efficiency class	G
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	351 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	6 500
On-mode power (P_{on}), expressed in W	5,0	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	0,10	Colour rendering index, rounded to the nearest integer, or the range of CRI-values that can be set	81
Outer dimensions without — Height	210	Spectral power distribution in the	See image in last page
Outer dimensions without — Width	210		
Outer dimensions without — Depth	90		

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)	0,400 0,394
Parameters for LED and OLED light sources:				
R9 colour rendering index value		2	Survival factor	0,90
the lumen maintenance factor		1,00		
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ1)		0,10	Colour consistency in McAdam ellipses	4
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)		0,4	Stroboscopic effect metric (SVM)	0,6

[a] '-' : not applicable;

[b] '-' : not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate:x=0.4009 y=0.3943/u'=0.2314 v'=0.5121

CCT=3628K(Duv=0.0026) Dominant WL:Ld =579.3nm WL:Lc = --nm Purity=38.7%

Ratio:R=19.2% G=78.0% B=2.8%¡¡Peak WL:Lp=594.5nm FWHM=148.8nm

Render Index:Ra=81.4 AvgR=74.7 TM30:Rf=83 Rg=96 Lav=576.2nm

R1 =79	R2 =86	R3 =94	R4 =82	R5 =80	R6 =83	R7 =85	
R8 =62	R9 =2	R10=69	R11=82	R12=67	R13=80	R14=97	R15=72

Photo Parameters:

Flux = 351.7 lm Eff. : 48.28 lm/W Fe = 1.058 W

Electrical parameters:

V = 219.97 V I = 0.1853 A P = 7.285 W PF = 0.1787

WHITE:ANSI_3500K

~~Status: Integral T = 162 ms Ip = 44170 (67%)~~

Model:LED PANEL ROUND Number:99LED609IP44CW

Tester:Atanas DAKOV Date:2021-06-02 10:43:44

Temperature:25.3Deg Humidity:65.0%

Manufacturer:ELMARK Remarks:7459