

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: 99LED617IP44CW

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:	Yes		
Anti-glare shield:	No	Dimmable:	No

Product parameters

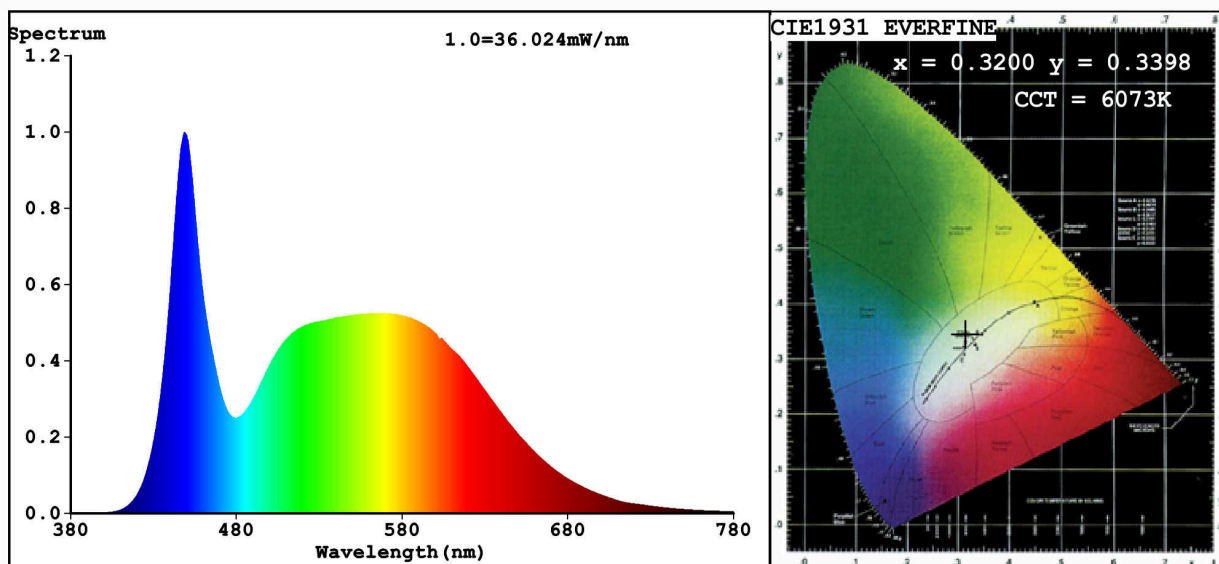
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	18	Energy efficiency class	G
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	1 240 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	18,0	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	82
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)	0,320 0,339	
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 ϕ_1)	0,50	Colour consistency in McAdam ellipses	3	
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: $x=0.3200$ $y=0.3398$ $u'=0.1988$ $v'=0.4750$

CCT=6073K(Duv=0.0051) Dominant WL:Ld =498.0nm Purity=4.2%

Ratio:R=13.7% G=81.1% B=5.2%; Peak WL:Lp=448.6nm FWHM=23.9nm

Render Index:Ra=82.7

R1 =80	R2 =86	R3 =91	R4 =83	R5 =82	R6 =82	R7 =88
R8 =68	R9 =3	R10=68	R11=83	R12=62	R13=82	R14=95
						R15=75

Photo Parameters:

Flux = 1240 lm Eff. : 70.46 lm/W Fe = 3.927 W

Electrical parameters:

V = 230.00 V I = 0.1455 A P = 17.59 W PF = 0.5257

WHITE:ANSI_6500K

Status: Integral T = 30 ms Ip = 59578 (91%)

Model:LED PANEL ROUND IP44/18W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:99LED617IP44CW
Date:2019-07-04 10:25
Humidity:65.0%
Remarks:EI0011901_5744