

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: 99LED617IP65CW

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

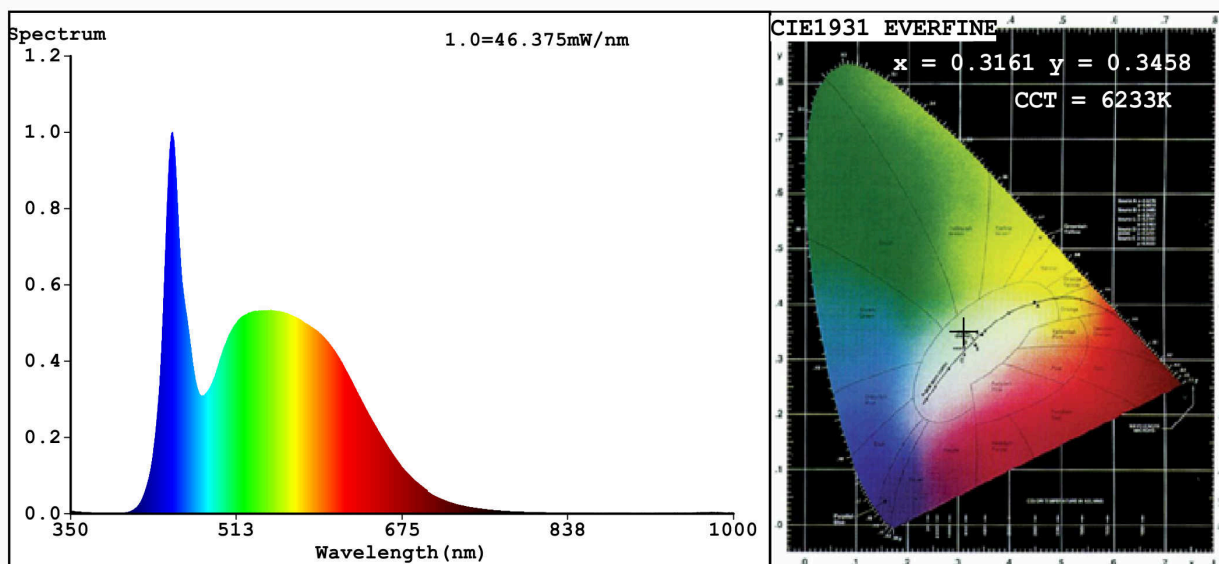
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	18	Energy efficiency class	F
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	1 650 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	21,0	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	83
Outer dimensions without separate control gear, lighting control	Height	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page
	Width		
	Depth		

parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power ^(a)	-	If yes, equivalent power (W)	-	
		Chromaticity coordinates (x and y)	0,316 0,345	
Parameters for directional light sources:				
Peak luminous intensity (cd)	522	Beam angle in degrees, or the range of beam angles that can be set	109	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	8	Survival factor	0,50	
the lumen maintenance factor	0,93			
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)	0,0	Stroboscopic effect metric (SVM)	0,0	

(a) '-': not applicable;

(b) '-': not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3161$ $y=0.3458$ $u'=0.1940$ $v'=0.4775$

CCT=6233K(Duv=0.0099) Dominant WL:Ld =501.2nm Purity=5.3%

Ratio:R=13.3% G=80.9% B=5.7%; Peak WL:Lp=449.9nm FWHM=24.4nm

Render Index:Ra=83.9

R1 =81	R2 =88	R3 =94	R4 =83	R5 =82	R6 =84	R7 =90
R8 =70	R9 =8	R10=72	R11=82	R12=62	R13=82	R14=97
						R15=75

Photo Parameters:

Flux = 1622 lm Eff. : 76.71 lm/W Fe = 5.199 W

Electrical parameters:

V = 229.95 V I = 0.1800 A P = 21.14 W PF = 0.5107

WHITE:OUT

Status: Integral T = 25 ms Ip = 50409 (77%)

Model:WATERPROOF LED PANEL ROUND/18W	Number:99LED617IP65CW
Tester:Petya Marinova	Date:2018-06-14 11:38
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:017V077B_4535