

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: 99LED966CW

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:	Yes		
Anti-glare shield:	No	Dimmable:	No

Product parameters

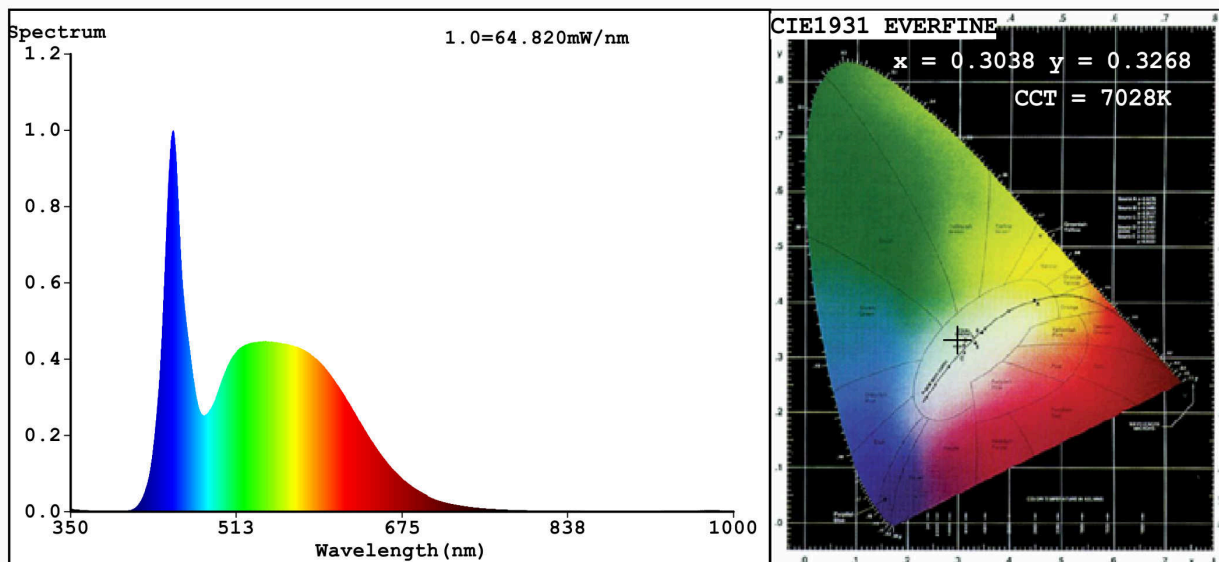
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	28	Energy efficiency class	F
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	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	6 500
On-mode power (P_{on}), expressed in W	22,5	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	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)	0,303 0,326	
Parameters for directional light sources:				
Peak luminous intensity (cd)	793	Beam angle in degrees, or the range of beam angles that can be set	114	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	6	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	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)	0,0	Stroboscopic effect metric (SVM)	0,0	

(a) '-': not applicable;

(b) '-': not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3038$ $y=0.3268$ $u'=0.1925$ $v'=0.4658$

CCT=7028K(Duv=0.0067) Dominant WL:Ld =488.8nm Purity=10.5%

Ratio:R=12.7% G=81.3% B=6.0%; Peak WL:Lp=450.6nm FWHM=22.7nm

Render Index:Ra=83.4

R1 =81	R2 =87	R3 =92	R4 =83	R5 =82	R6 =83	R7 =89
R8 =70	R9 =6	R10=70	R11=82	R12=59	R13=83	R14=96
						R15=76

Photo Parameters:

Flux = 1887 lm Eff. : 83.76 lm/W Fe = 6.177 W

Electrical parameters:

V = 229.96 V I = 0.1780 A P = 22.52 W PF = 0.5502

WHITE:ANSI_6500K

Status: Integral T = 15 ms Ip = 53767 (82%)

Model:LED PANEL ROUND OM/28W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:99LED966CW
Date:2018-11-09 13:24
Humidity:65.0%
Remarks:27Q39118048_5047