

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: 99LED965

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

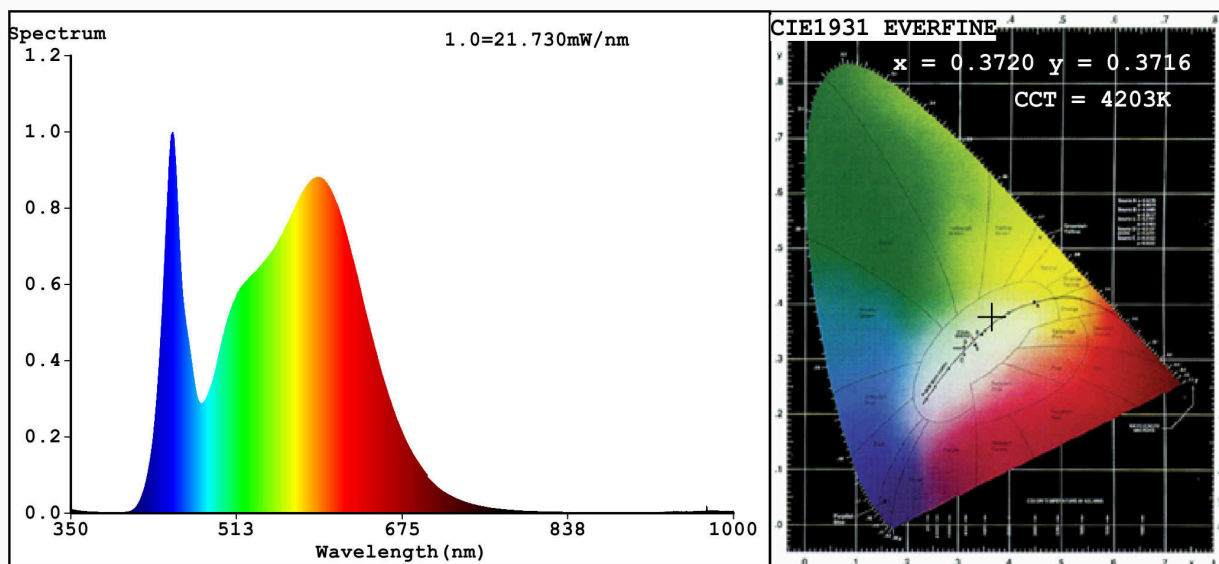
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	18	Energy efficiency class	F
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	1 100 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	4 000
On-mode power (P_{on}), expressed in W	13,7	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)	0,372 0,371	
Parameters for directional light sources:				
Peak luminous intensity (cd)	485	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)	0,56	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: $x=0.3720$ $y=0.3716$ $u'=0.2216$ $v'=0.4980$

$CCT=4203K$ ($Duv=0.0001$) Dominant WL: $\lambda_d = 578.2nm$ Purity=23.1%

Ratio: R=17.7% G=78.4% B=4.0%; Peak WL: $\lambda_p = 449.9nm$ FWHM=23.8nm

Render Index: $R_a=83.4$

R1 =82	R2 =90	R3 =96	R4 =83	R5 =82	R6 =86	R7 =86
R8 =64	R9 =6	R10=76	R11=82	R12=66	R13=84	R14=98
						R15=75

Photo Parameters:

Flux = 1105 lm Eff. : 80.31 lm/W $P_e = 3.379 W$

Electrical parameters:

$V = 229.85 V$ $I = 0.1060 A$ $P = 13.76 W$ PF = 0.5649

WHITE:OUT

Status: Integral T = 40 ms $I_p = 49172 (75\%)$

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

Number: 99LED965
Date: 2018-11-13 11:06
Humidity: 65.0%
Remarks: 27Q39118048_4806