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: 99LED965WW

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

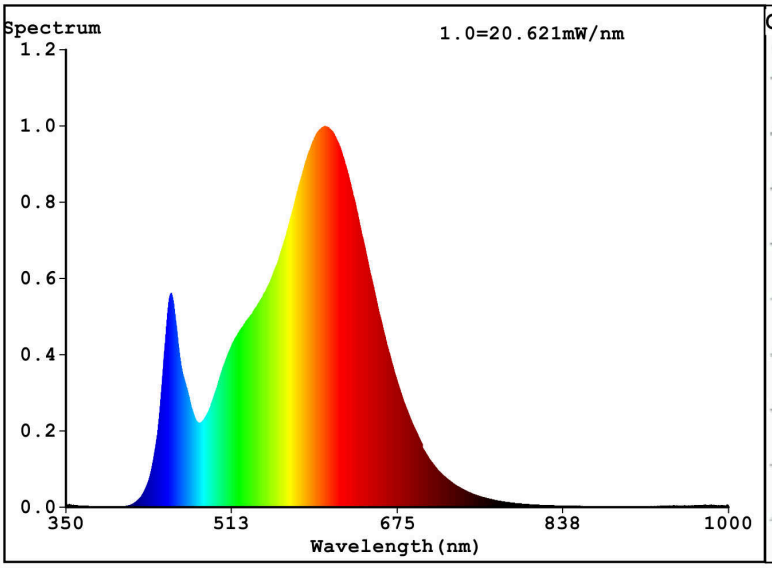
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	18	Energy efficiency class	F
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	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	3 000
On-mode power (P_{on}), expressed in W	13,5	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	84
Outer dimensions without separate control gear, lighting control — Height	175	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page
Width	175		
Depth	33		

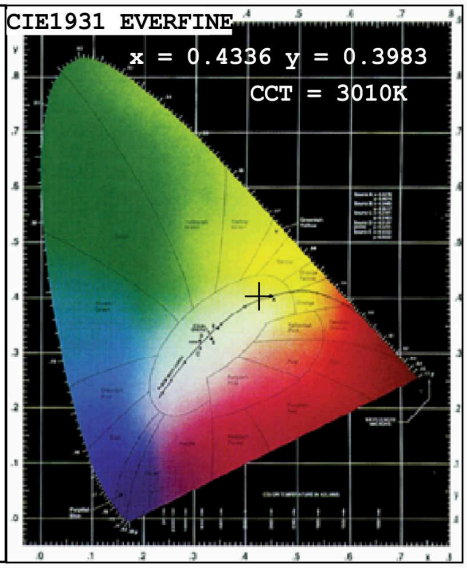
parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power[(a)]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,433 0,368
Parameters for directional light sources:				
Peak luminous intensity (cd)		333	Beam angle in degrees, or the range of beam angles that can be set	104
Parameters for LED and OLED light sources:				
R9 colour rendering index value		14	Survival factor	0,50
the lumen maintenance factor		0,93		
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ1)		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=0.4336 y=0.3983/u'=0.2509 v'=0.5186

CCT=3010K(Duv=-0.0018) Dominant WL:Ld =583.5nm Purity=49.7%

Ratio:R=23.2% G=73.9% B=2.9%¡¡Peak WL:Lp=604.1nm FWHM=128.1nm

Render Index:Ra=84.3

R1 =84	R2 =94	R3 =95	R4 =82	R5 =84	R6 =92	R7 =82	
R8 =61	R9 =14	R10=85	R11=82	R12=76	R13=86	R14=98	R15=76

Photo Parameters:

Flux = 1002 lm Eff. : 73.91 lm/W Fe = 3.124 W

Electrical parameters:

V = 229.85 V I = 0.1047 A P = 13.55 W PF = 0.5631

WHITE:ANSI_3000K

Status: Integral T = 40 ms Ip = 52084 (79%)

Model:LED PANEL ROUND OM/18W	Number:99LED965WW
Tester:Petya Marinova	Date:2018-11-13 10:47
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:27Q39118048_4806