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: 99LED966WW

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

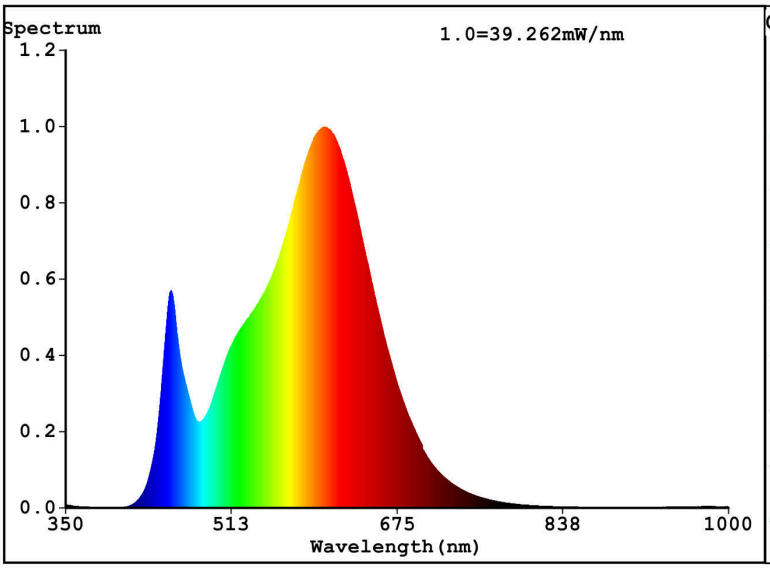
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	28	Energy efficiency class	F
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	2 200 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	24,1	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	285	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page
Outer dimensions without separate control gear, lighting control — Width	285		
Outer dimensions without separate control gear, lighting control — Depth	30		

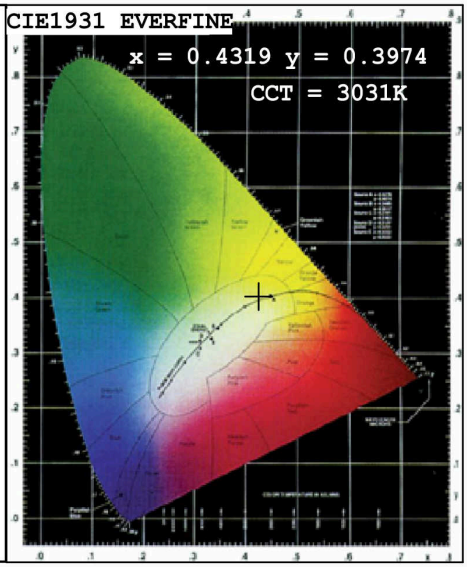
parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power[(a)]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,431 0,394
Parameters for directional light sources:				
Peak luminous intensity (cd)		769	Beam angle in degrees, or the range of beam angles that can be set	113
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)		0,40	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=0.4319 y=0.3974/u'=0.2502 v'=0.5180

CCT=3031K(Duv=-0.0020) Dominant WL:Ld =583.4nm WL:Lc = --nm Purity=48.9%

Ratio:R=23.1% G=74.0% B=2.9%¡¡Peak WL:Lp=603.4nm FWHM=128.6nm

Render Index:Ra=84.2 AvgR=79.5 TM30:Rf=85 Rg=96 Lav=589.4nm

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 = 1914 lm Eff. : 79.13 lm/W Fe = 5.969 W

Electrical parameters:

V = 225.10 V I = 0.2656 A P = 24.19 W PF = 0.4046

WHITE:ANSI_3000K

Status: Integral T = 24 ms Ip = 45990 (70%)

Model:LED PANEL POUND	Number:99LED966WW
Tester:Atanas DAKOV	Date:2021-11-03 12:53:28
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks: