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: 99LED934/W

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

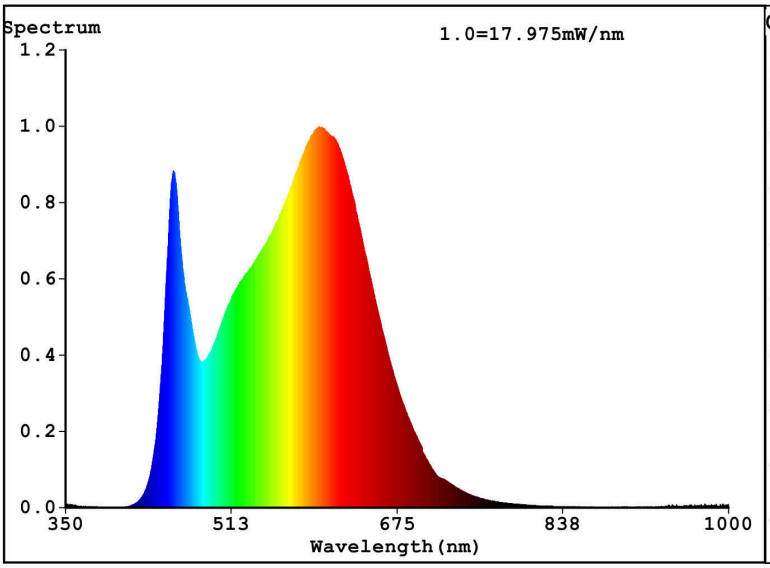
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	15	Energy efficiency class	G
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	1 000 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	4 000
On-mode power (P_{on}), expressed in W	15,7	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	87
Outer dimensions without separate control gear, lighting control — Height	173	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page
Width	173		
Depth	11		

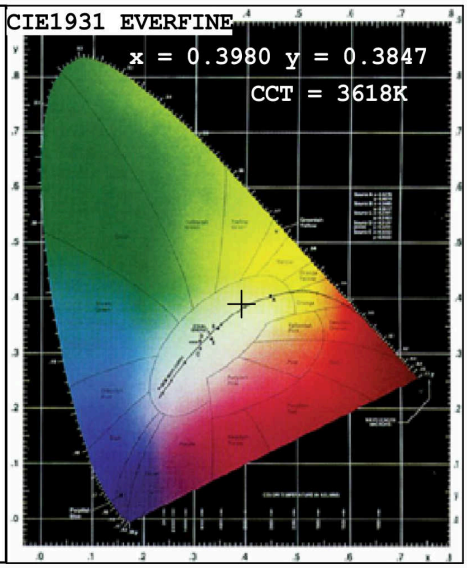
parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power[(a)]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,398 0,384
Parameters for directional light sources:				
Peak luminous intensity (cd)		376	Beam angle in degrees, or the range of beam angles that can be set	112
Parameters for LED and OLED light sources:				
R9 colour rendering index value		29	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	0
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=0.3980 y=0.3847/u'=0.2334 v'=0.5076

CCT=3618K(Duv=-0.0010) Dominant WL:Ld =580.9nm Purity=34.9%

Ratio:R=20.5% G=75.4% B=4.1%¡¡Peak WL:Lp=598.8nm FWHM=152.8nm

Render Index:Ra=87.3

R1 =88	R2 =96	R3 =95	R4 =84	R5 =87	R6 =94	R7 =85	
R8 =69	R9 =29	R10=91	R11=85	R12=72	R13=91	R14=98	R15=82

Photo Parameters:

Flux = 981.5 lm Eff. : 62.18 lm/W Fe = 3.087 W

Electrical parameters:

V = 229.92 V I = 0.1209 A P = 15.79 W PF = 0.5680

WHITE:ANSI_3500K

Status: Integral T = 41 ms Ip = 46372 (71%)

Model:SUPER SLIM LED PANELS/15W	Number:99LED934/W
Tester:Petya Marinova	Date:2019-01-30 15:35
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:O18V039A_5167