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: 99LED974WW

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):	Yes
Colour-tuneable light source:	No	Envelope:	-
High luminance light source:	Yes		
Anti-glare shield:	No	Dimmable:	No

Product parameters

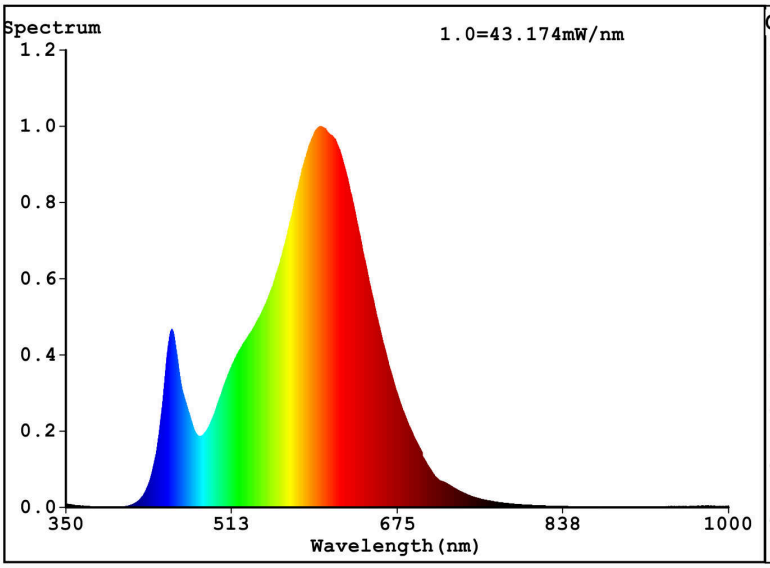
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	24	Energy efficiency class	F
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	2 000 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	2 700
On-mode power (P_{on}), expressed in W	25,4	Standby power (P_{sb}), expressed in W and rounded to the second decimal	0,20
Networked standby power (P_{net}) for CLS, expressed in W and rounded to the second decimal	0,20	Colour rendering index, rounded to the nearest integer, or the range of CRI-values that can be set	80
Outer dimensions without separate control gear, lighting control — Height	296	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	296		
Outer dimensions without separate control gear, lighting control — Depth	13		

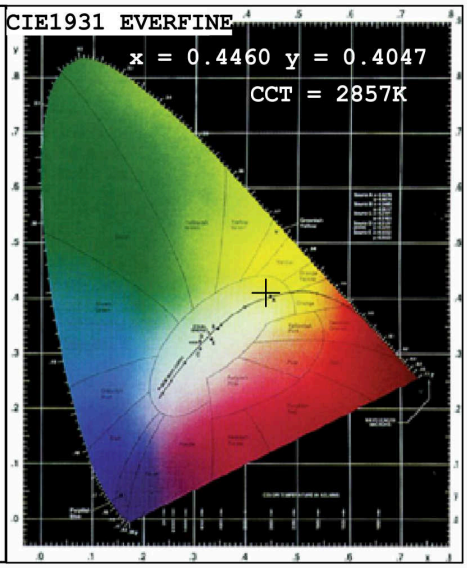
parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power[(a)]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,446 0,404
Parameters for directional light sources:				
Peak luminous intensity (cd)		612	Beam angle in degrees, or the range of beam angles that can be set	112
Parameters for LED and OLED light sources:				
R9 colour rendering index value		0	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=0.4460 y=0.4047/u'=0.2562 v'=0.5230

CCT=2857K(Duv=-0.0009) Dominant WL:Ld =583.8nm WL:Lc = --nm Purity=55.4%

Ratio:R=23.6% G=73.9% B=2.5%¡¡Peak WL:Lp=598.8nm FWHM=115.5nm

Render Index:Ra=80.7

R1 =79	R2 =91	R3 =94	R4 =77	R5 =79	R6 =90	R7 =80	
R8 =54	R9 =0	R10=81	R11=76	R12=72	R13=82	R14=97	R15=71

Photo Parameters:

Flux = 2028 lm Eff. : 79.57 lm/W Fe = 6.149 W

Electrical parameters:

V = 220.03 V I = 0.2281 A P = 25.49 W PF = 0.5080

WHITE:ANSI_2700K

Status: Integral T = 30 ms Ip = 49098 (75%)

Model:LED PANEL ROUND	Number:99LED974WW
Tester:Atanas DAKOV	Date:2020-01-20 10:21:31
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:6361