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: 99LED872

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:	NMLS	Connected light source (CLS):	No
Colour-tuneable light source:	No	Envelope:	-
High luminance light source:	No		
Anti-glare shield:	No	Dimmable:	No

Product parameters

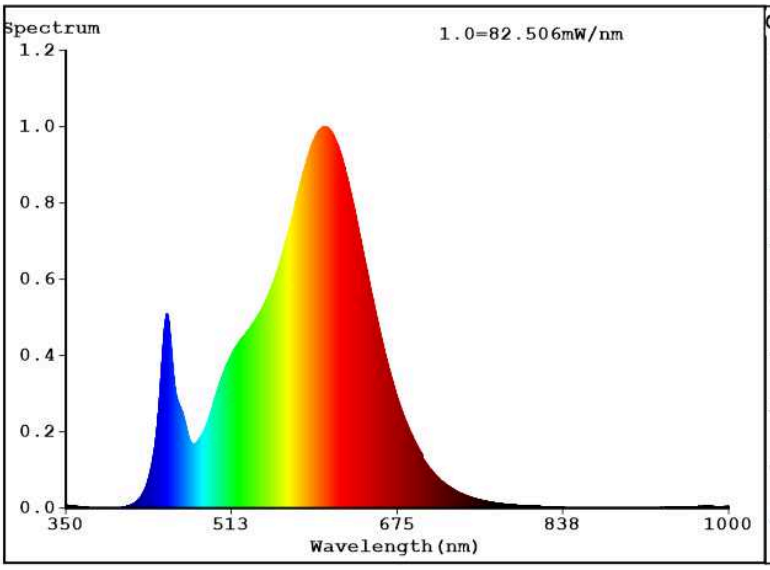
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	9	Energy efficiency class	F
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	3 000 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	3 000
On-mode power (P_{on}), expressed in W	37,8	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	82
Outer dimensions without — Height	1 000	Spectral power distribution in the	See image in last page
Outer dimensions without — Width	10		
Outer dimensions without — Depth	3		

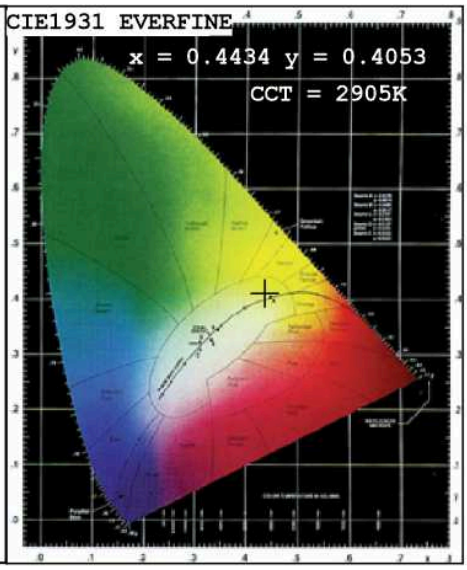
separate control gear, lighting control parts and non-lighting control parts, if any (millimetre)			range 250 nm to 800 nm, at full-load	
Claim of equivalent power[(a)]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,443 0,405
Parameters for directional light sources:				
Peak luminous intensity (cd)		602	Beam angle in degrees, or the range of beam angles that can be set	120
Parameters for LED and OLED light sources:				
R9 colour rendering index value		3	Survival factor	0,50
the lumen maintenance factor		0,93		

[(a)] '-' : not applicable;

[(b)] '-' : not applicable;

Spectrum Test Report





Color Parameters:

Chromaticity Coordinate:x=0.4434 y=0.4053/u'=0.2542 v'=0.5228

CCT=2905K(Duv=-0.0003) Dominant WL:Ld =583.4nm WL:Lc = --nm Purity=54.7%

Ratio:R=23.6% G=73.9% B=2.5%¡¡Peak WL:Lp=602.2nm FWHM=117.6nm

Render Index:Ra=82.2

R1 =81	R2 =91	R3 =95	R4 =80	R5 =81	R6 =90	R7 =81	
R8 =57	R9 =3	R10=81	R11=81	R12=75	R13=83	R14=98	R15=72

Photo Parameters:

Flux = 3898 lm Eff. : 103.13 lm/W Fe = 11.80 W

Electrical parameters:

V = 24.159 V I = 1.565 A P = 37.80 W PF = 1.000

WHITE:ANSI_3000K

Status: Integral T = 9 ms Ip = 40553 (62%)

Model:LED 600/9.6W/m	Number:99LED872
Tester:Petya Marinova	Date:2019-09-04 12:37:31
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:O19V013A_5952