

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: 99LED842W

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
Light source cap-type (or other electric interface)	E27		
Mains or non-mains:	NMLS	Connected light source (CLS):	Yes
Colour-tuneable light source:	No	Envelope:	-
High luminance light source:	Yes		
Anti-glare shield:	No	Dimmable:	No

Product parameters

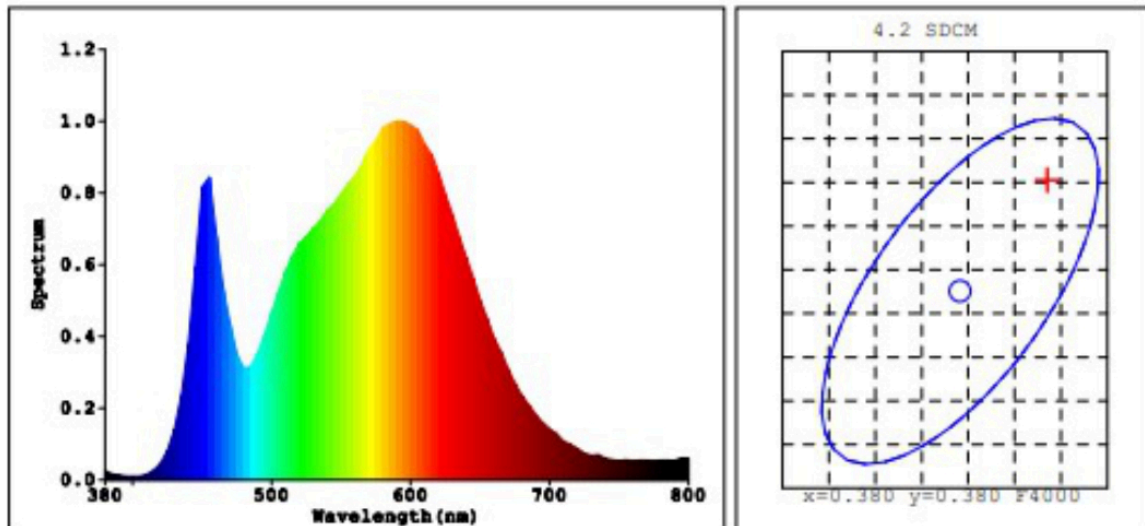
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	10	Energy efficiency class	F
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	970 in Sphere (360°)	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	10,4	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	81
Outer dimensions without separate control gear, lighting control	Height	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page
	Width		
	Depth		

parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power ^(a)	Yes	If yes, equivalent power (W)	65	
		Chromaticity coordinates (x and y)	0,388 0,390	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	1	Survival factor	0,50	
the lumen maintenance factor	0,95			

(a) : not applicable;

(b) : not applicable;

Light Source Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3881$ $y=0.3902$ Chromaticity Coordinate: $u'=0.2248$ $v'=0.5085$ ($duv=3.99e-03$)

Tc=3899K Dominant WL:Ld=577.6nm Purity=33.6% Centroid WL:573.0nm

Ratio:R=19.7% G=77.1% B=3.2% Peak WL:Lp=590.0nm HWL:147.0nm

Render Index:Ra=81.8 CRI=74.8

R1 =79 R2 =89 R3 =96 R4 =80 R5 =79 R6 =85 R7 =86

R8 =61 R9 =1 R10=73 R11=78 R12=61 R13=81 R14=98 R15=72

Photo Parameters:

Flux: 974.89 lm Fe: 2.9635 W Efficacy:96.52 lm/W

Electrical Parameters:

Lamp : U=48.00V I=0.3790A P=10.10W PF=0.5580

Instrument Status:

Scan Range:380.0nm-800.0nm Interval:5.0nm[0]

REF=17571 (R=3)

 $\lambda=-0.103\lambda$

Ip=42444 (G=6,D=55)

PMT: 27.2 centigrade [24.2]

Product Type:8122939 LB101-10W 48V Manufacturer:

Number:5

Temperature:25.3 deg

Test Operator:

Software:V2.00.129

Test Department:

Humidity:65.0%

Test Date:2020-08-13

Instrument:PMS-80_V1 (SN:G107113CA8321127)