

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: 99LED843W

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:	Only with specific dimmers

Product parameters

Parameter	Value	Parameter	Value
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General product parameters:

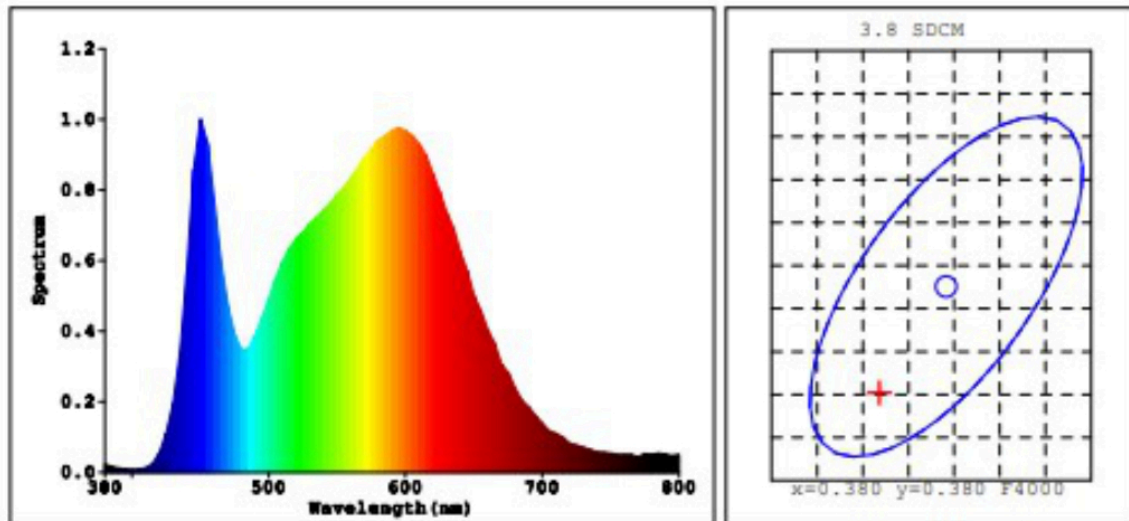
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	13	Energy efficiency class	F
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	1 170 in Sphere (360°)	Correlated colour temperature, rounded 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	12,0	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	84
Outer dimensions without separate control gear, light-	Height	125	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	60	
	Depth	60	
			See image in last page

ing control parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power ^(a)	Yes	If yes, equivalent power (W)	80	
		Chromaticity coordinates (x and y)	0,373 0,370	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	16	Survival factor	0,50	
the lumen maintenance factor	0,95			

(a) : not applicable;

(b) : not applicable;

Light Source Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3737$ $y=0.3701$

Chromaticity Coordinate: $u'=0.2233$ $v'=0.4976$ ($duv=-1.15e-03$)

Tc=4141K Dominant WL:Ld=579.2nm Purity=23.2% Centroid WL:569.0nm

Ratio:R=19.7% G=76.6% B=3.6% Peak WL:Lp=450.0nm HWL:30.2nm

Render Index:Ra=84.9 CRI=79.0

R1 =84 R2 =91 R3 =95 R4 =84 R5 =84 R6 =87 R7 =87

R8 =67 R9 =16 R10=78 R11=83 R12=67 R13=86 R14=98 R15=78

Photo Parameters:

Flux: 1139.2 lm Fe: 3.5974 W Efficacy:94.93 lm/W

Electrical Parameters:

Lamp : U=48.00V I=0.4310A P=12.00W PF=0.5830

Instrument Status:

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

REF=20502 (R=3)

$\theta=-0.176\%$

Ip=3741 (G=4,D=49)

FMT: 25.9 centigrade [21.9]

Product Type:8182969 13W 48V

Number:1

Temperature:25.3 deg

Test Operator:

Software:V2.00.129

Manufacturer:

Test Department:

Humidity:65.0%

Test Date:2020-08-19

Instrument:PMS-80_V1 (SN:G107113CA8321127)