

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: 99LED940W

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
Light source cap-type (or other electric interface)	Integrated LED		
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	5	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°)	500 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	4,7	Standby power (P_{sb}), expressed in W and rounded to the second decimal	0,10
Networked standby power (P_{net}) for CLS, expressed in W and rounded to the second decimal	0,10	Colour rendering index, rounded to the nearest integer, or the range of CRI-values that can be set	70
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)	-	If yes, equivalent power (W)	-	
		Chromaticity coordinates (x and y)	0,379 0,377	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	-27	Survival factor	0,50	
the lumen maintenance factor	0,95			

(a) : not applicable;

(b) : not applicable;

光源光色电测试报告

产品信息

产品型号: 2835

产品编号: 233

色度参数

色品坐标: $x=0.3793$ $y=0.3770$ $u(u')=0.2243$ $v=0.3344$ $v'=0.5015$

相关色温: $T_c=4033K$ ($duv=0.00046$)

色比: $R=0.166$ $G=0.815$ $B=0.019$

峰值波长: 445.2nm 半宽度: 19.1nm

主波长: 578.7nm 色纯度: 0.270

中心波长: 444.8nm

重心波长: 444.9nm

显色指数: $R_a=69.7$

TM30: $R_f=70$, $R_g=96$

全色域指数: $GAI_BB_8=91.2$, $GAI_BB_15=97.4$, $GAI_EES=72.4$

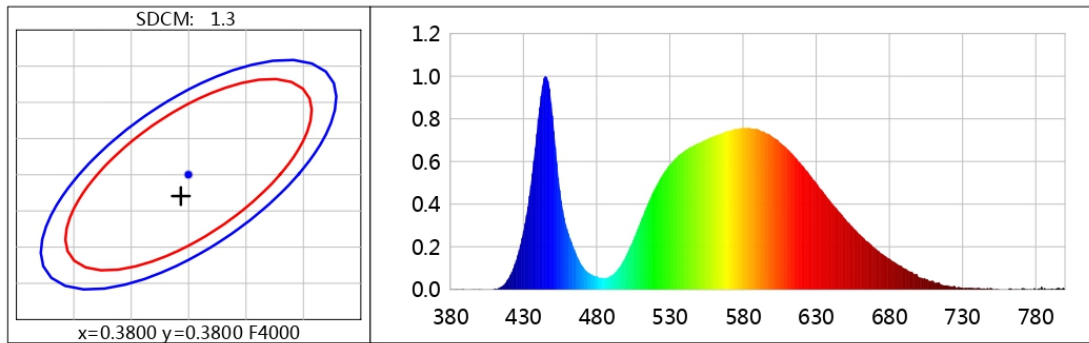
$R1=68$ $R2=75$ $R3=79$ $R4=70$ $R5=67$ $R6=64$ $R7=79$ $R8=55$

$R9=-27$ $R10=39$ $R11=66$ $R12=35$ $R13=68$ $R14=88$ $R15=63$

颜色质量表: $Q_a=70.3$, $Q_f=69.2$, $Q_p=73.7$, $Q_g=91.9$

$Q1=74$ $Q2=94$ $Q3=61$ $Q4=58$ $Q5=68$ $Q6=68$ $Q7=71$ $Q8=82$

$Q9=91$ $Q10=73$ $Q11=69$ $Q12=71$ $Q13=73$ $Q14=60$ $Q15=66$



光度参数

光通量: 537.80 lm

光效: 114.55 lm/W

光辐射功率: 1.523 W

总功: 114.55 lm/W

能效等级: E (EU 2019/2015)

辅助灯修正系数: 1.00

电参数

电压: 12.000V

电流: 0.3913A

功率: 4.70W

功率因数: 1.0000 频率: 0.00Hz

测试信息

扫描范围: 380~800:1nm

光度测量方法: sphere-spectroradiometer

稳定时间: 0 Min 辅助灯修正系数: 1.0000

光度测量条件: Sphere diameter: 1.00m, 4"

信号最大值: 45382 (2074)

积分时间: 788.20 ms

测试环境: $T_x:14.2^{\circ}C$, $T_i:13.1^{\circ}C$, R.H.:60%

测试设备: CMS-2S (Plus)

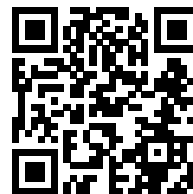
测试单位:

测试时间:

测试员:

核 验:

Model placed on the Union market from 28/02/2024



EPREL registration number: 1908074

<https://eprel.ec.europa.eu/qr/1908074>

Supplier: ELMARK INDUSTRIES SC (Importer)

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Customer care service:

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