

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: 99LED841W

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	DLS
Light source cap-type (or other electric interface)	GU10		
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

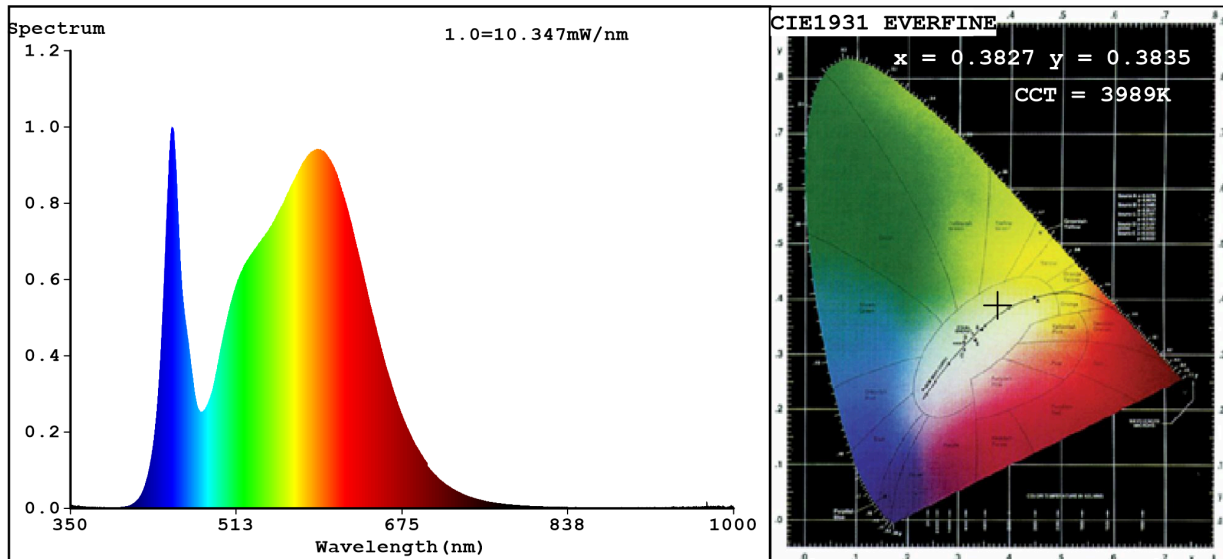
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	7	Energy efficiency class	F
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	560 in Narrow cone (90°)	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	6,8	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	83
Outer dimensions without separate control gear, light-	Height	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page
	Width		
	Depth		

ing control parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power ^(a)	Yes	If yes, equivalent power (W)	45	
		Chromaticity coordinates (x and y)	0,378 0,383	
Parameters for directional light sources:				
Peak luminous intensity (cd)	704	Beam angle in degrees, or the range of beam angles that can be set	43	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	11	Survival factor	0,50	
the lumen maintenance factor	0,95			

(a) '-': not applicable;

(b) '-': not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3827$ $y=0.3835$ / $u'=0.2239$ $v'=0.5049$
 CCT=3989K (Duv=0.0025) Dominant WL: $L_d=577.8\text{nm}$ WL: $L_c = \text{--nm}$ Purity=30.0%
 Ratio: R=18.0% G=78.6% B=3.4% ; Peak WL: $L_p=449.3\text{nm}$ FWHM=21.8nm
 Render Index: $R_a=81.8$

R1 =80	R2 =88	R3 =95	R4 =81	R5 =80	R6 =83	R7 =86
R8 =63	R9 =2	R10=71	R11=80	R12=60	R13=81	R14=97
						R15=73

Photo Parameters:

Flux = 561.7 lm Eff. : 81.86 lm/W Fe = 1.684 W

Electrical parameters:

V = 11.897 V I = 0.5768 A P = 6.862 W PF = 1.000
 WHITE:ANSI_4000K

Status: Integral T = 72 ms Ip = 35565 (54%)

Model:LED GU10
 Tester:Atanas DAKOV
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:99LED841W
 Date:2022-12-22 13:11:50
 Humidity:65.0%
 Remarks:9016