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: 99LED841CW

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

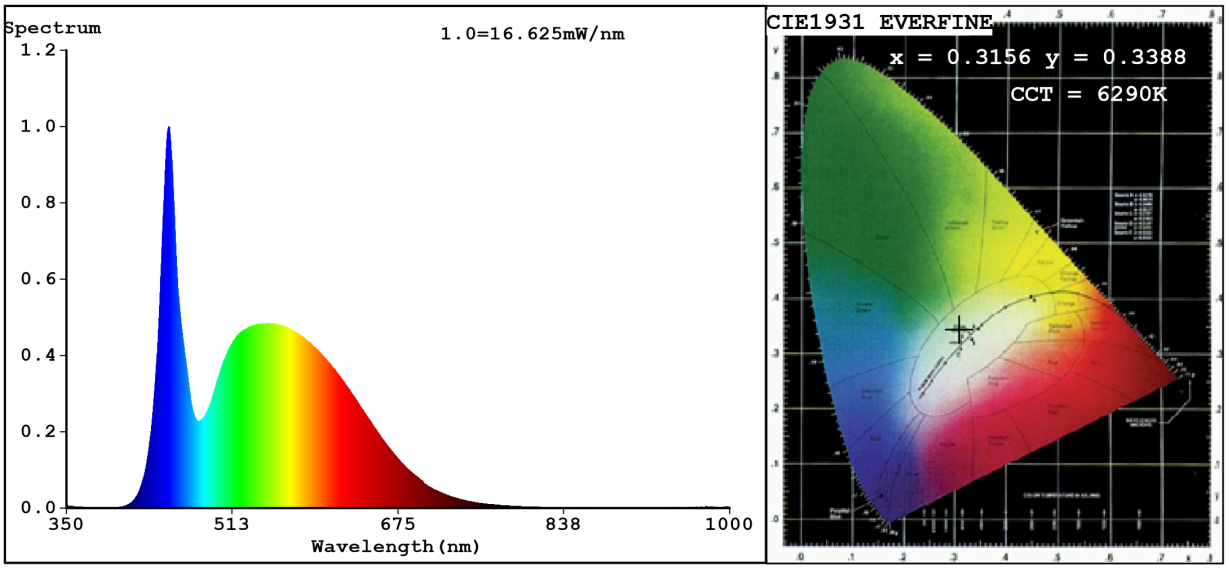
Parameter		Value	Parameter	Value
General product parameters:				
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer		7	Energy efficiency class	F
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)		580 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	6 000
On-mode power (P_{on}), expressed in W		6,3	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	53	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page
	Width	50		
	Depth	50		

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)	0,315 0,338
Parameters for directional light sources:				
Peak luminous intensity (cd)		691	Beam angle in degrees, or the range of beam angles that can be set	44
Parameters for LED and OLED light sources:				
R9 colour rendering index value		17	Survival factor	0,50
the lumen maintenance factor		0,95		

[a] '-' : not applicable;

[b] '-' : not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate:x=0.3156 y=0.3388/u'=0.1962 v'=0.4739

CCT=6290K(Duv=0.0067) Dominant WL:Ld =495.7nm WL:Lc = --nm Purity=5.7%

Ratio:R=13.5% G=81.2% B=5.3%¡¡Peak WL:Lp=450.3nm FWHM=21.1nm

Render Index:Ra=83.6

R1 =81	R2 =87	R3 =90	R4 =84	R5 =82	R6 =82	R7 =90	
R8 =73	R9 =17	R10=68	R11=83	R12=58	R13=82	R14=95	R15=77

Photo Parameters:

Flux = 520.0 lm Eff. : 77.96 lm/W Fe = 1.701 W

Electrical parameters:

V = 11.897 V I = 0.5607 A P = 6.671 W PF = 1.000

WHITE:ANSI_6500K

Status: Integral T = 72 ms Ip = 51310 (78%)

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

Number:99LED841CW
Date:2022-12-22 13:04:07
Humidity:65.0%
Remarks:9016