

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: 99LED833HECW

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:	MLS	Connected light source (CLS):	No
Colour-tuneable light source:	No	Envelope:	-
High luminance light source:	No		
Anti-glare shield:	No	Dimmable:	No

Product parameters

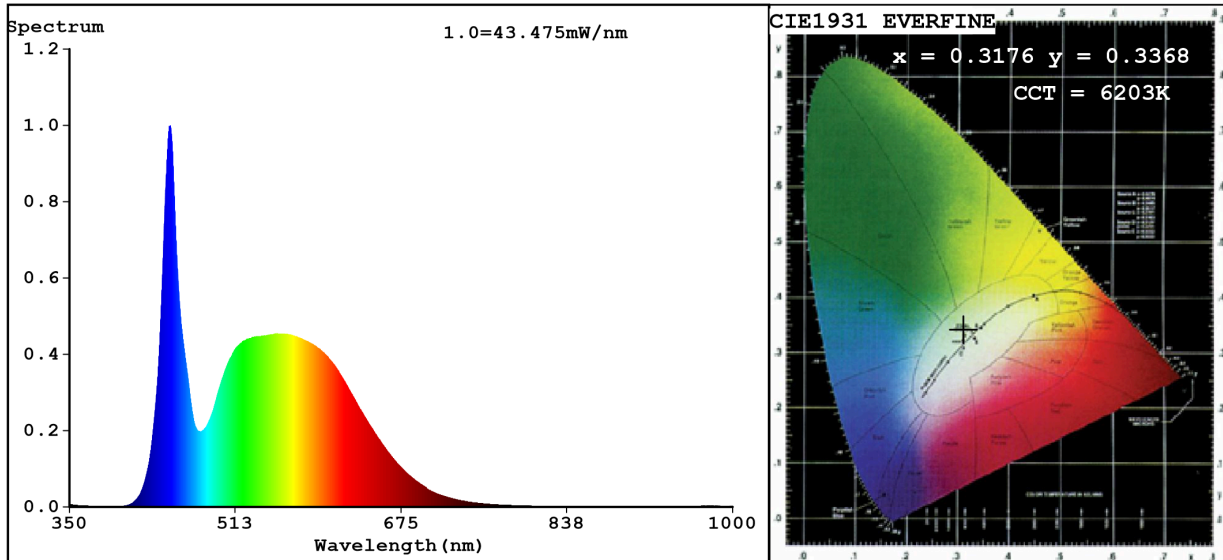
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	11	Energy efficiency class	E
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	1 200 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	6 500
On-mode power (P_{on}), expressed in W	12,2	Standby power (P_{sb}), expressed in W and rounded to the second decimal	0,00
Networked standby power (P_{net}) for CLS, expressed in W and rounded to the second decimal	-	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, lighting control	Height	80	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	50	
	Depth	50	
			See image in last page

parts and non-lighting control parts, if any (millimetre)			
Claim of equivalent power ^(a)	Yes	If yes, equivalent power (W)	85
		Chromaticity coordinates (x and y)	0,317 0,336
Parameters for directional light sources:			
Peak luminous intensity (cd)	1 645	Beam angle in degrees, or the range of beam angles that can be set	47
Parameters for LED and OLED light sources:			
R9 colour rendering index value	10	Survival factor	0,50
the lumen maintenance factor	0,95		
Parameters for LED and OLED mains light sources:			
displacement factor (cos ϕ 1)	0,50	Colour consistency in McAdam ellipses	4
Claims that an LED light source replaces a fluorescent light source without integrated ballast of a particular wattage.	-(b)	If yes then replacement claim (W)	-
Flicker metric (Pst LM)	0,5	Stroboscopic effect metric (SVM)	0,2

(a) '-': not applicable;

(b) '-': not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3176$ $y=0.3368$ $u'=0.1983$ $v'=0.4731$
 CCT=6203K (Duv=0.0048) Dominant WL:Ld =494.5nm WL:Lc = --nm Purity=5.1%
 Ratio:R=13.7% G=81.2% B=5.1% ; Peak WL:Lp=448.9nm FWHM=19.3nm
 Render Index:Ra=83.0

R1 =81 R2 =86 R3 =89 R4 =84 R5 =83 R6 =81 R7 =88
 R8 =71 R9 =10 R10=67 R11=84 R12=60 R13=82 R14=94 R15=76

Photo Parameters:

Flux = 1293 lm Eff. : 105.80 lm/W Fe = 4.168 W

Electrical parameters:

V = 219.89 V I = 0.1007 A P = 12.22 W PF = 0.5520

WHITE:ANSI_6500K

Status: Integral T = 27 ms Ip = 48126 (73%)

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

Number:99LED833HECW
 Date:2022-09-28 09:02:11
 Humidity:65.0%
 Remarks:8756