

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: 99LED832WW

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

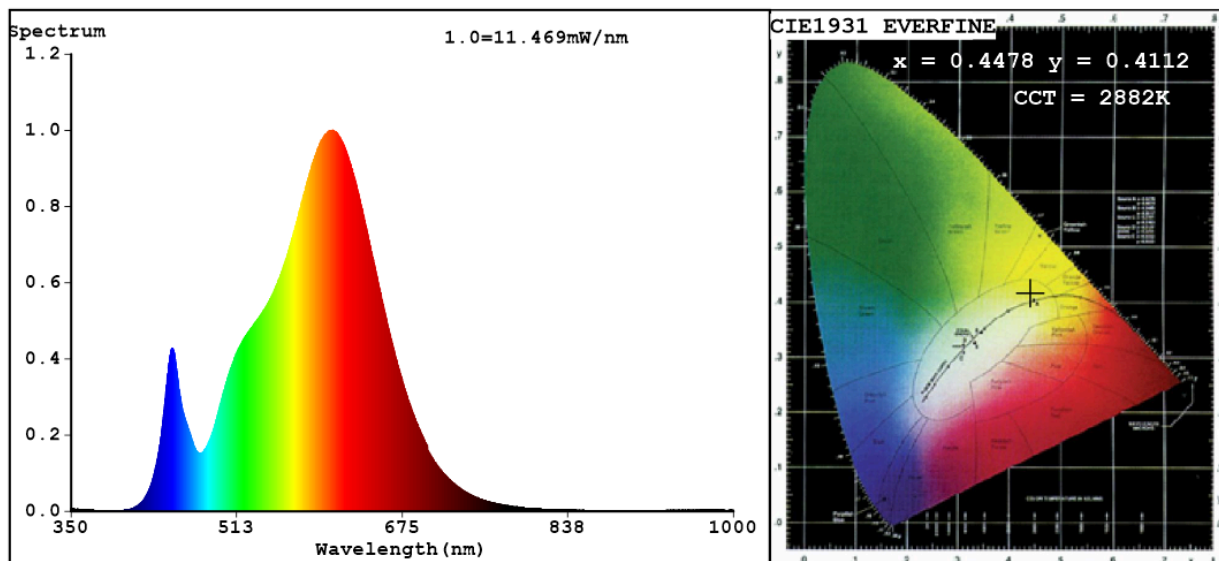
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	7	Energy efficiency class	F
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	540 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	2 800
On-mode power (P_{on}), expressed in W	6,7	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	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)	Yes	If yes, equivalent power (W)	40	
		Chromaticity coordinates (x and y)	0,447 0,411	
Parameters for directional light sources:				
Peak luminous intensity (cd)	687	Beam angle in degrees, or the range of beam angles that can be set	50	
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: $x=0.4478$ $y=0.4112$ $u'=0.2545$ $v'=0.5258$
 $CCT=2882K$ ($Duv=0.0014$) Dominant WL: $Ld = 582.9nm$ WL: $Lc = --nm$ Purity=57.8%
 Ratio: $R=23.7\%$ $G=74.0\%$ $B=2.3\%$ Peak WL: $Lp=606.4nm$ FWHM=127.6nm
 Render Index: $Ra=83.5$

R1 =82	R2 =91	R3 =97	R4 =83	R5 =82	R6 =90	R7 =84
R8 =60	R9 =10	R10=80	R11=83	R12=74	R13=84	R14=99 R15=74

Photo Parameters:

Flux = 549.9 lm Eff. : 81.34 lm/W Fe = 1.690 W

Electrical parameters:

$V = 229.31 V$ $I = 0.05343 A$ $P = 6.760 W$ PF = 0.5518
 WHITE:ANSI_3000K

Status: Integral T = 84 ms Ip = 47174 (72%)

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

Number:99LED832WW
 Date:2022-09-26 09:03:05
 Humidity:65.0%
 Remarks:8756