

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: 99LED833HEWW

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

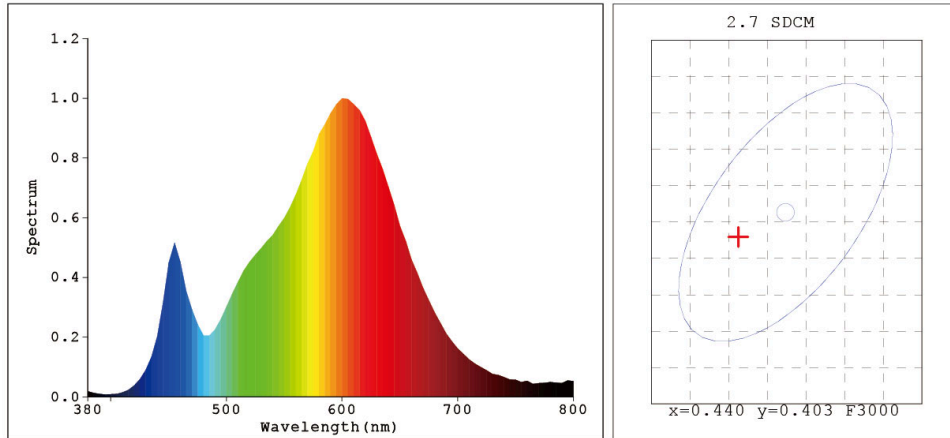
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	11	Energy efficiency class	E
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	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	3 000
On-mode power (P_{on}), expressed in W	11,7	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	82
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)	0,434 0,400
Parameters for directional light sources:			
Peak luminous intensity (cd)	1 434	Beam angle in degrees, or the range of beam angles that can be set	51
Parameters for LED and OLED light sources:			
R9 colour rendering index value	6	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;

Light Source Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4347$ $y=0.4003$
 Chromaticity Coordinate: $u'=0.2508$ $v'=0.5196$ ($duv=-1.23e-03$)
 Tc=3007K Dominant WL:Ld=583.2nm Purity=50.6% Centroid WL:590.0nm
 Ratio:R=24.7% G=72.9% B=2.4% Peak WL:Lp=600.0nm HWL:126.2nm
 Render Index:Ra=82.2 CRI=76.9
 R1 =81 R2 =92 R3 =95 R4 =79 R5 =81 R6 =90 R7 =82
 R8 =58 R9 =6 R10=81 R11=78 R12=72 R13=84 R14=98 R15=74

Photo Parameters:

Flux: 1264.8 lm Fe: 3.9501 W Efficacy:108.1 lm/W

Electrical Parameters:

Lamp : U=230.5V I=0.09600A P=11.70W PF=0.5310

Instrument Status:

Scan Range:380.0nm-800.0nm Interval:5.0nm[0] Ip=2633(G=4,D=49)
 REF=22948(R=3) %=-0.035% PMT: 26.9 centigrade [25.1]

Product Type:7082763 LC211-12W Manufacturer:
 Number:1 Test Department:
 Temperature:25.3 deg Humidity:65.0%
 Test Operator: Test Date:2020-07-14
 Software:V2.00.129 Instrument:PMS-80_V1 (SN:G107113CA8321127)