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: 99LED831HEWW

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

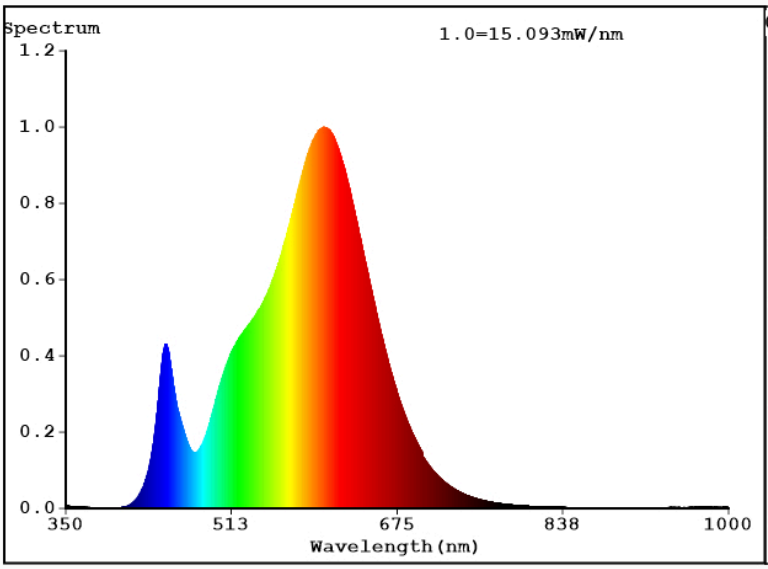
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	7	Energy efficiency class	E
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	700 in Wide cone (120°)	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	7,2	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	81
Outer dimensions without separate control gear, lighting control — Height	56	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page
Width	50		
Depth	50		

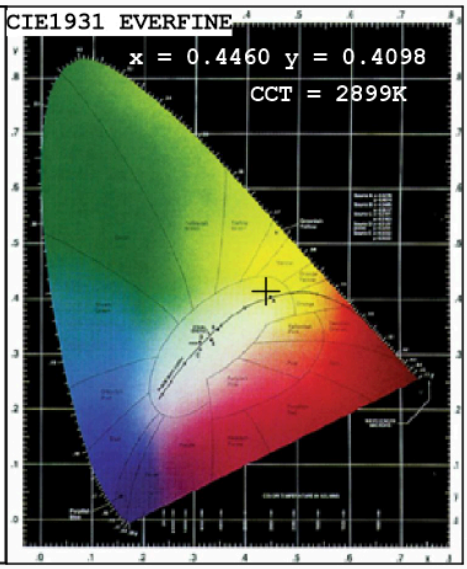
parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power[(a)]		Yes	If yes, equivalent power (W)	50
			Chromaticity coordinates (x and y)	0,446 0,409
Parameters for directional light sources:				
Peak luminous intensity (cd)		300	Beam angle in degrees, or the range of beam angles that can be set	102
Parameters for LED and OLED light sources:				
R9 colour rendering index value		2	Survival factor	0,50
the lumen maintenance factor		0,95		
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ1)		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)		0,0	Stroboscopic effect metric (SVM)	0,0

[(a)] '-' : not applicable;

[(b)] '-' : not applicable;

Spectrum Test Report





Color Parameters:

Chromaticity Coordinate:x=0.4460 y=0.4098/u'=0.2539 v'=0.5250

CCT=2899K(Duv=0.0011) Dominant WL:Ld =582.9nm WL:Lc = --nm Purity=56.9%

Ratio:R=23.4% G=74.3% B=2.3%¡¡Peak WL:Lp=603.1nm FWHM=121.1nm

Render Index:Ra=81.8

R1 =80	R2 =90	R3 =97	R4 =80	R5 =80	R6 =88	R7 =82	
R8 =57	R9 =2	R10=78	R11=80	R12=72	R13=82	R14=99	R15=71

Photo Parameters:

Flux = 718.3 lm Eff. : 99.50 lm/W Fe = 2.164 W

Electrical parameters:

V = 229.42 V I = 0.05635 A P = 7.219 W PF = 0.5584

WHITE:ANSI_3000K

Status: Integral T = 69 ms Ip = 51025 (78%)

Model:LED GU10	Number:99LED813HEWW
Tester:Atanas DAKOV	Date:2022-09-08 08:24:24
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:8756