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: 99LED850WW

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
Light source cap-type (or other electric interface)	E27		
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

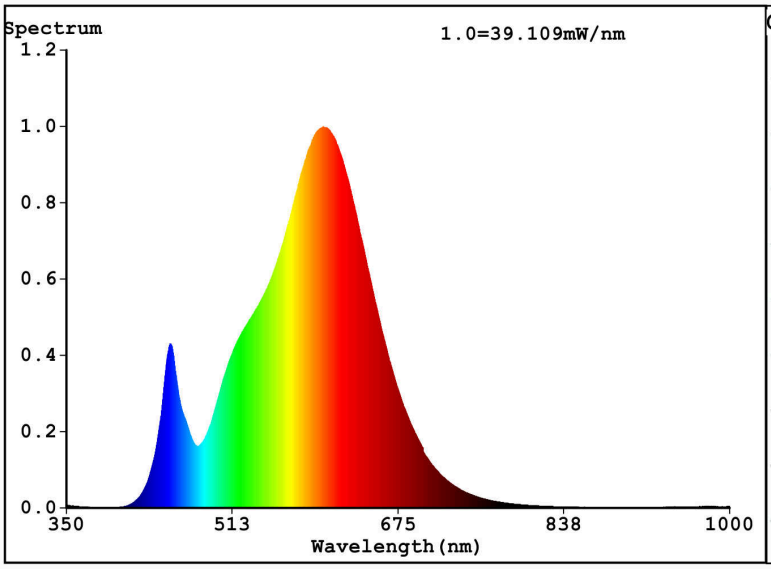
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	18	Energy efficiency class	E
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	1 893 in Sphere (360°)	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	16,0	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 — Height	133	Spectral power distribution in the	See image in last page
Outer dimensions without — Width	65		
Outer dimensions without — Depth	65		

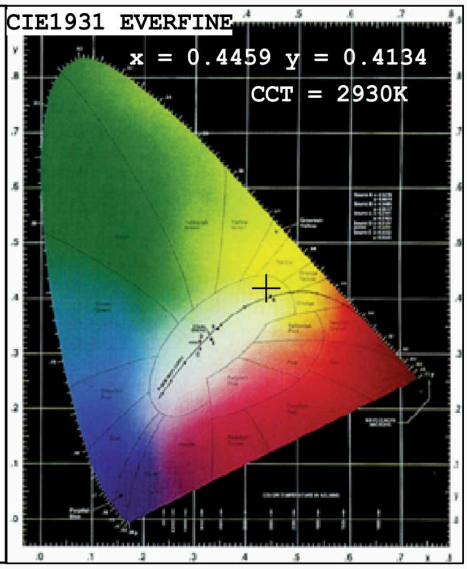
separate control gear, lighting control parts and non-lighting control parts, if any (millimetre)			range 250 nm to 800 nm, at full-load	
Claim of equivalent power[a]		Yes	If yes, equivalent power (W)	100
			Chromaticity coordinates (x and y)	0,445 0,413
Parameters for LED and OLED light sources:				
R9 colour rendering index value		0	Survival factor	0,90
the lumen maintenance factor		0,93		
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ1)		0,30	Colour consistency in McAdam ellipses	5
Claims that an LED light source replaces a fluorescent light source without integrated ballast of a particular wattage.		Yes[b]	If yes then replacement claim (W)	25
Flicker metric (Pst LM)		0,6	Stroboscopic effect metric (SVM)	0,2

[a] '-' : not applicable;

[b] '-' : not applicable;

Spectrum Test Report





Color Parameters:

Chromaticity Coordinate:x=0.4459 y=0.4134/u'=0.2523 v'=0.5263

CCT=2930K(Duv=0.0025) Dominant WL:Ld =582.3nm WL:Lc = --nm Purity=57.9%

Ratio:R=23.0% G=74.7% B=2.3%¡¡Peak WL:Lp=601.8nm FWHM=125.4nm

Render Index:Ra=81.1

R1 =79	R2 =89	R3 =97	R4 =79	R5 =79	R6 =87	R7 =83	
R8 =56	R9 =0	R10=76	R11=78	R12=68	R13=81	R14=99	R15=70

Photo Parameters:

Flux = 1893 lm Eff. : 92.21 lm/W Fe = 5.689 W

Electrical parameters:

V = 220.02 V I = 0.2430 A P = 20.53 W PF = 0.3840

WHITE:ANSI_3000K

Status: Integral T = 28 ms Ip = 52147 (80%)

Model:LED PEAR A65 SMD2835	Number:99LED850WW
Tester:Atanas DAKOV	Date:2021-04-28 16:17:55
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:7467