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: 99LED840W

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
Light source cap-type (or other electric interface)	E14		
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

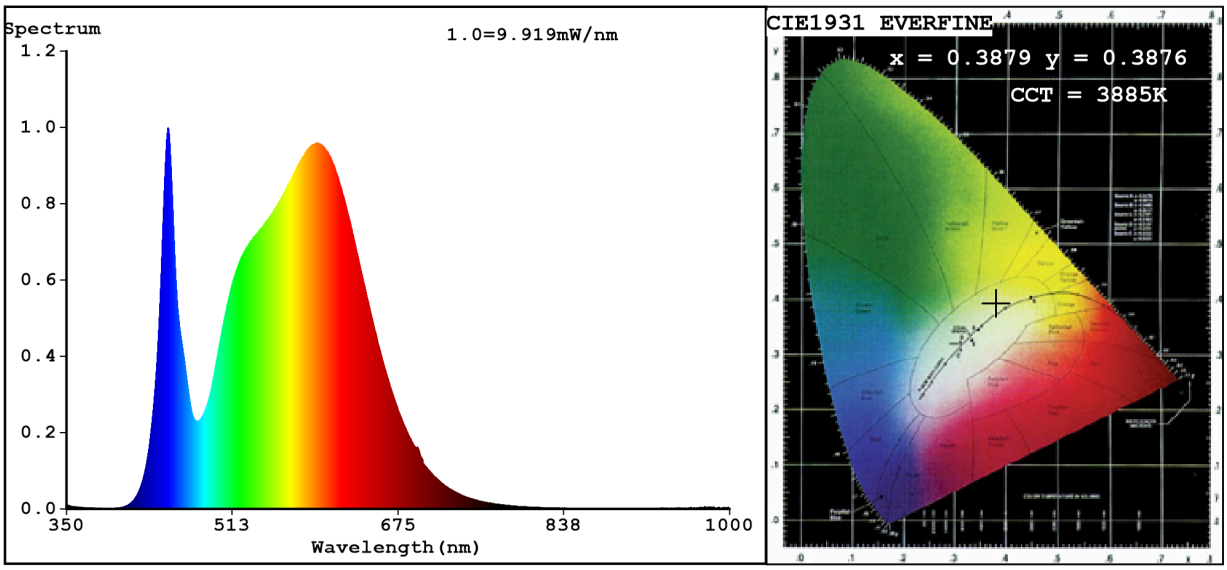
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	4	Energy efficiency class	E
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	500 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	4 000
On-mode power (P_{on}), expressed in W	3,8	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	78	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page
Width	45		
Depth	45		

parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power[(a)]		Yes	If yes, equivalent power (W)	42
			Chromaticity coordinates (x and y)	0,387 0,387
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 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.		Yes[(b)]	If yes then replacement claim (W)	42
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=0.3879 y=0.3876/u'=0.2257 v'=0.5074

CCT=3885K(Duv=0.0029) Dominant WL:Ld =578.1nm WL:Lc = --nm Purity=32.7%

Ratio:R=18.5% G=78.3% B=3.2%¡¡Peak WL:Lp=449.6nm FWHM=19.7nm

Render Index:Ra=82.3

R1 =80	R2 =87	R3 =94	R4 =82	R5 =80	R6 =83	R7 =87	
R8 =64	R9 =6	R10=71	R11=81	R12=60	R13=82	R14=96	R15=74

Photo Parameters:

Flux = 548.0 lm Eff. : 142.72 lm/W Fe = 1.642 W

Electrical parameters:

V = 219.86 V I = 0.03279 A P = 3.840 W PF = 0.5326

WHITE:ANSI_4000K

Status: Integral T = 84 ms Ip = 39218 (60%)

Model:LED FILAMENT G45	Number:99LED840W
Tester:Atanas DAKOV	Date:2022-10-04 15:32:20
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:8843