

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: 99LED840WW

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

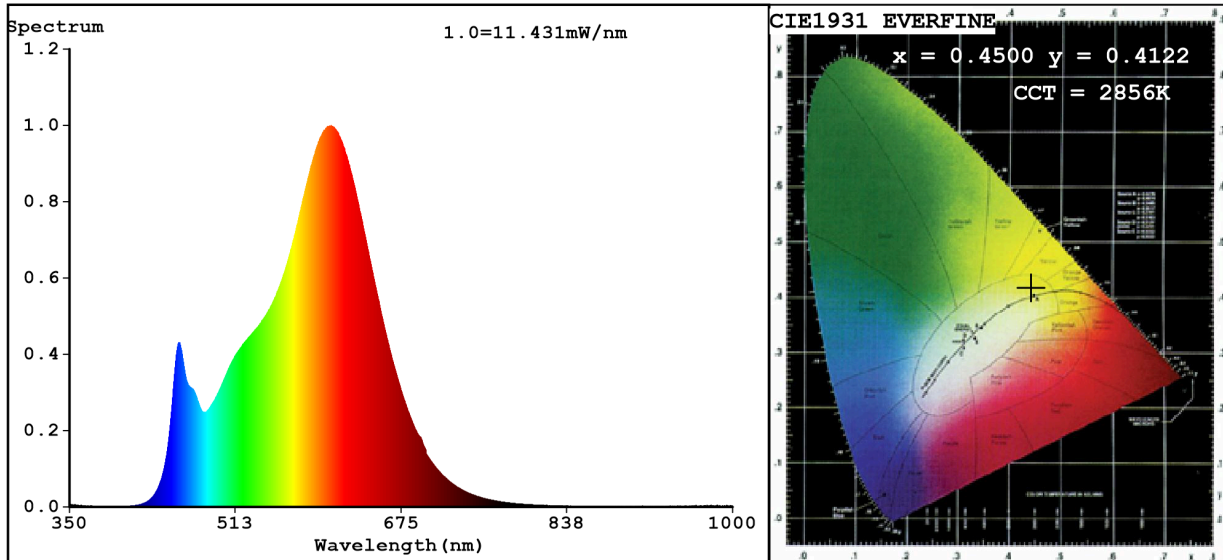
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	4	Energy efficiency class	E
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	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	2 700
On-mode power (P_{on}), expressed in W	3,9	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	78	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	45	
	Depth	45	
			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)	42
		Chromaticity coordinates (x and y)	0,450 0,412
Parameters for LED and OLED light sources:			
R9 colour rendering index value	11	Survival factor	0,50
the lumen maintenance factor	0,95		
Parameters for LED and OLED mains light sources:			
displacement factor (cos ϕ_1)	0,40	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)	72
Flicker metric (Pst LM)	0,0	Stroboscopic effect metric (SVM)	0,0

(a)¹⁾ : not applicable;

(b)¹⁾ : not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4500$ $y=0.4122$ $u'=0.2555$ $v'=0.5265$
 CCT=2856K (Duv=0.0016) Dominant WL:Ld =582.9nm WL:Lc = --nm Purity=58.8%
 Ratio:R=24.2% G=72.8% B=2.9% ; Peak WL:Lp=605.1nm FWHM=114.8nm
 Render Index:Ra=83.9

R1 =84 R2 =95 R3 =92 R4 =81 R5 =85 R6 =96 R7 =81
 R8 =58 R9 =11 R10=90 R11=82 R12=78 R13=87 R14=96 R15=75

Photo Parameters:

Flux = 530.0 lm Eff. : 133.59 lm/W Fe = 1.622 W

Electrical parameters:

V = 219.83 V I = 0.03356 A P = 3.968 W PF = 0.5377

WHITE:ANSI_2700K

Status: Integral T = 84 ms Ip = 47045 (72%)

Model:LED FILAMENT G45
 Tester:Atanas DAKOV
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:99LED840WW
 Date:2022-10-04 15:29:44
 Humidity:65.0%
 Remarks:8843