

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: 99LED916HE

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:	Yes		
Anti-glare shield:	No	Dimmable:	No

Product parameters

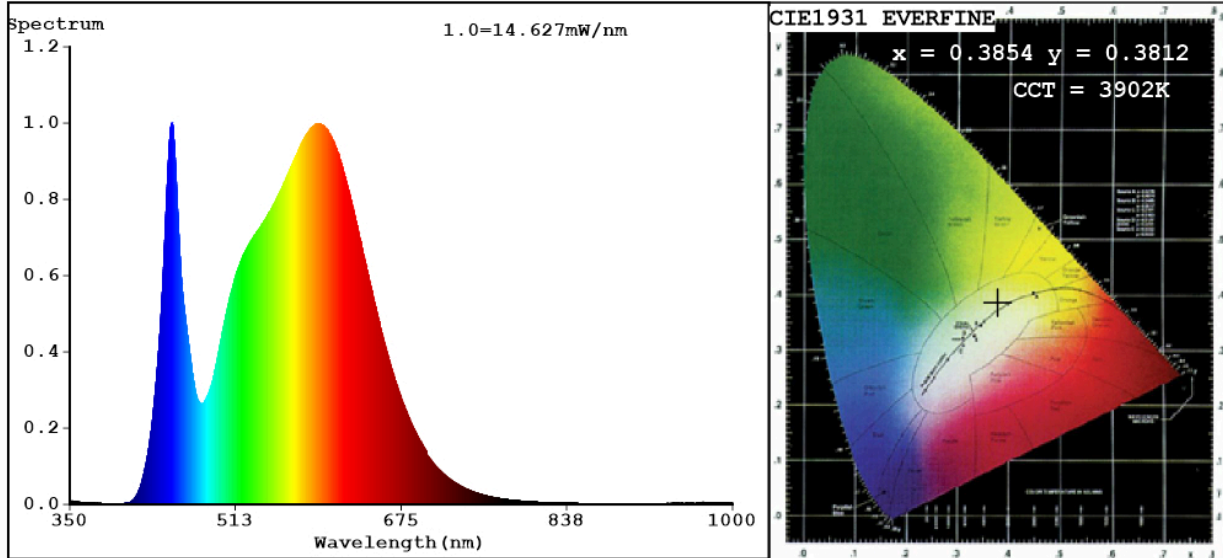
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	7	Energy efficiency class	E
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	830 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	6,8	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	110	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	37	
	Depth	37	
			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)	55
		Chromaticity coordinates (x and y)	0,438 0,381
Parameters for LED and OLED light sources:			
R9 colour rendering index value	7	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)	0,2	Stroboscopic effect metric (SVM)	0,2

(a)-: not applicable;

(b)-: not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3854$ $y=0.3812$ / $u'=0.2266$ $v'=0.5043$
 CCT=3902K (Duv=0.0007) Dominant WL:Ld =579.1nm WL:Lc = --nm Purity=30.1%
 Ratio:R=18.5% G=78.1% B=3.4%; Peak WL:Lp=450.3nm FWHM=23.6nm
 Render Index:Ra=82.5

R1 =81 R2 =88 R3 =94 R4 =82 R5 =81 R6 =84 R7 =86
 R8 =64 R9 =7 R10=72 R11=81 R12=63 R13=82 R14=97 R15=74

Photo Parameters:

Flux = 831.8 lm Eff. : 121.37 lm/W Fe = 2.531 W

Electrical parameters:

V = 229.60 V I = 0.05436 A P = 6.854 W PF = 0.5491

WHITE:ANSI_4000K

Status: Integral T = 65 ms Ip = 46751 (71%)

Model:LED GLOBE P37
 Tester:Atanas DAKOV
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:99LED916HE
 Date:2022-09-07 16:37:02
 Humidity:65.0%
 Remarks:8756