

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: 99LED882CW

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	DLS
Light source cap-type (or other electric interface)	Integrated LED		
Mains or non-mains:	NMLS	Connected light source (CLS):	No
Colour-tuneable light source:	No	Envelope:	-
High luminance light source:	No		
Anti-glare shield:	No	Dimmable:	No

Product parameters

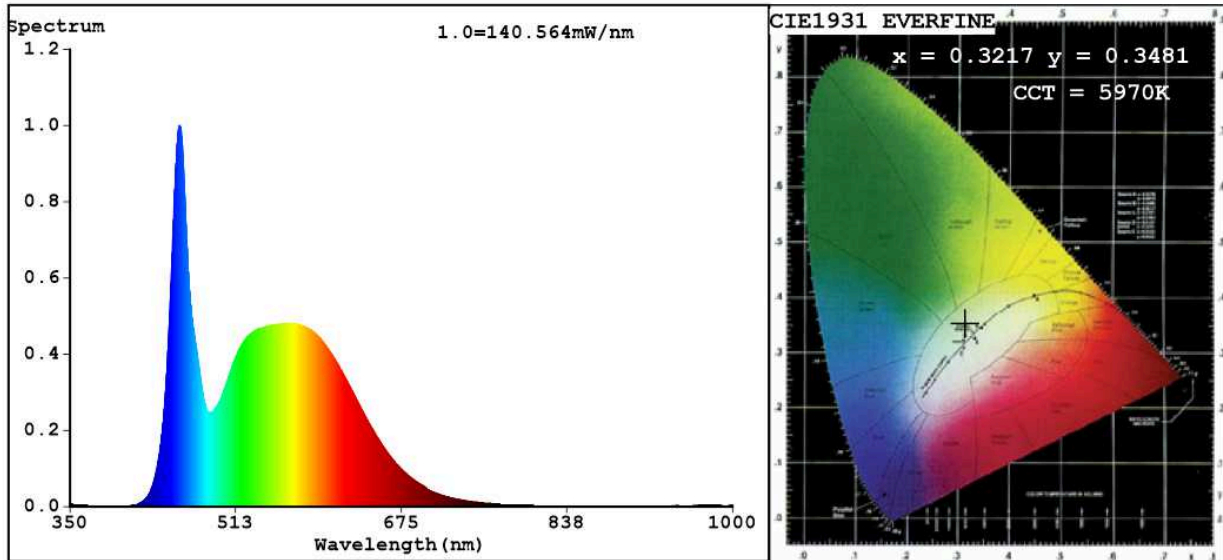
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	20	Energy efficiency class	F
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	3 600 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	6 000
On-mode power (P_{on}), expressed in W	42,0	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 separate control gear, lighting control	Height	1 000	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	8	
	Depth	3	
			See image in last page

parts and non-lighting control parts, if any (millimetre)			
Claim of equivalent power ^(a)	-	If yes, equivalent power (W)	-
		Chromaticity coordinates (x and y)	0,321 0,348
Parameters for directional light sources:			
Peak luminous intensity (cd)	457	Beam angle in degrees, or the range of beam angles that can be set	120
Parameters for LED and OLED light sources:			
R9 colour rendering index value	0	Survival factor	0,50
the lumen maintenance factor	0,93		

(a): not applicable;

(b): not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3217$ $y=0.3481$ / $u'=0.1969$ $v'=0.4795$
 CCT=5970K (Duv=0.0084) Dominant WL:Ld =509.4nm WL:Lc = --nm Purity=3.6%
 Ratio:R=13.5% G=80.8% B=5.7% ; Peak WL:Lp=457.7nm FWHM=21.9nm
 Render Index:Ra=81.4

R1 =79 R2 =90 R3 =94 R4 =76 R5 =78 R6 =85 R7 =85
 R8 =64 R9 =0 R10=75 R11=74 R12=52 R13=83 R14=97 R15=73

Photo Parameters:

Flux = 4376 lm Eff. : 103.91 lm/W Fe = 13.70 W

Electrical parameters:

V = 20.983 V I = 2.007 A P = 42.12 W PF = 1.000
 WHITE:OUT

Status: Integral T = 8 ms Ip = 52006 (79%)

Model:LED LAMPS AND COMPONENTS	Number:99LED882CW
Tester:Atanas DAKOV	Date:2020-12-15 13:44:46
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:6708