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: 99LED981CW

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):	Yes
Colour-tuneable light source:	No	Envelope:	-
High luminance light source:	No		
Anti-glare shield:	No	Dimmable:	No

Product parameters

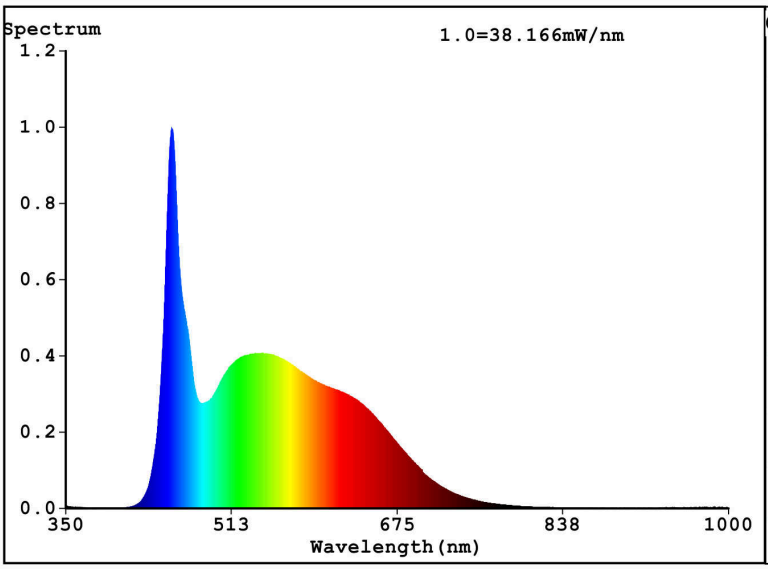
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	10	Energy efficiency class	F
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	1 000 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	6 500
On-mode power (P_{on}), expressed in W	10,7	Standby power (P_{sb}), expressed in W and rounded to the second decimal	0,50
Networked standby power (P_{net}) for CLS, expressed in W and rounded to the second decimal	0,50	Colour rendering index, rounded to the nearest integer, or the range of CRI-values that can be set	91
Outer dimensions without — Height	1 000	Spectral power distribution in the	See image in last page
Outer dimensions without — Width	10		
Outer dimensions without — Depth	3		

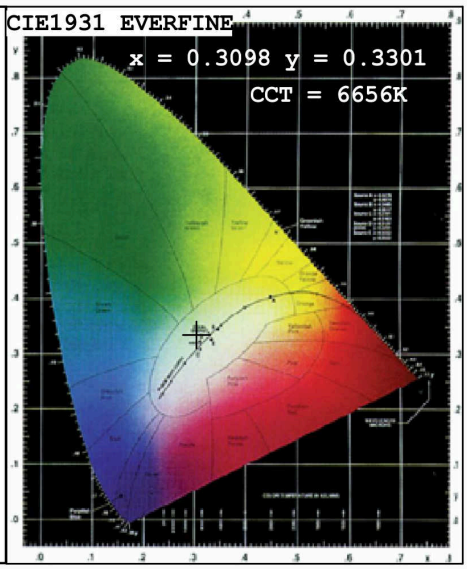
separate control gear, lighting control parts and non-lighting control parts, if any (millimetre)			range 250 nm to 800 nm, at full-load	
Claim of equivalent power[(a)]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,309 0,330
Parameters for directional light sources:				
Peak luminous intensity (cd)		453	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		66	Survival factor	0,60
the lumen maintenance factor		0,92		

[(a)] '-' : not applicable;

[(b)] '-' : not applicable;

Spectrum Test Report





Color Parameters:

Chromaticity Coordinate:x=0.3098 y=0.3301/u'=0.1954 v'=0.4685

CCT=6656K(Duv=0.0052) Dominant WL:Ld =489.9nm WL:Lc = --nm Purity=8.2%

Ratio:R=14.4% G=79.0% B=6.7%¡¡Peak WL:Lp=453.7nm FWHM=21.7nm

Render Index:Ra=91.3 AvgR=87.5 TM30:Rf=89 Rg=96 Lav=545.0nm

R1 =91	R2 =96	R3 =96	R4 =88	R5 =89	R6 =91	R7 =93	
R8 =87	R9 =66	R10=88	R11=88	R12=60	R13=93	R14=98	R15=89

Photo Parameters:

Flux = 1021 lm Eff. : 95.38 lm/W Fe = 3.625 W

Electrical parameters:

V = 24.159 V I = 0.4429 A P = 10.70 W PF = 1.000

WHITE:ANSI_6500K

Status: Integral T = 28 ms Ip = 45808 (70%)

Model:LED LAMPS AND COMPONENTS	Number:99LED981CW
Tester:Atanas DAKOV	Date:2021-11-08 09:38:48
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:6943