

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: 96PL1/10

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:	Yes		
Anti-glare shield:	No	Dimmable:	No

Product parameters

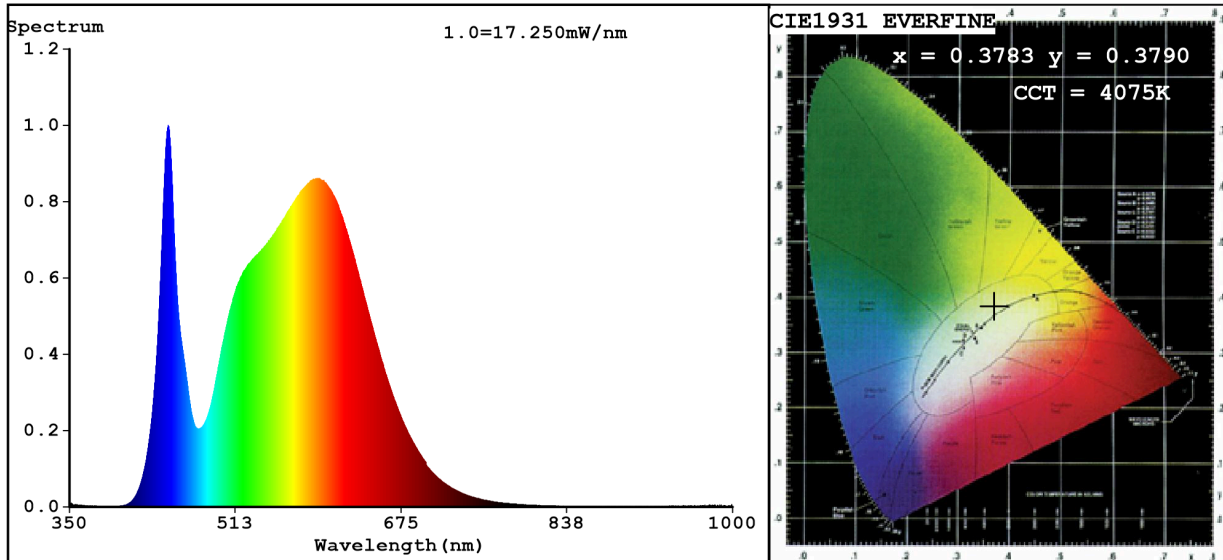
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	10	Energy efficiency class	F
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	875 in Narrow cone (90°)	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	9,5	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	70
Outer dimensions without separate control gear, lighting control	Height	28	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	180	
	Depth	180	
			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)	90
		Chromaticity coordinates (x and y)	0,378 0,379
Parameters for directional light sources:			
Peak luminous intensity (cd)	330	Beam angle in degrees, or the range of beam angles that can be set	100
Parameters for LED and OLED light sources:			
R9 colour rendering index value	9	Survival factor	0,50
the lumen maintenance factor	0,95		

(a) : not applicable;

(b) : not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3783$ $y=0.3790$ / $u'=0.2228$ $v'=0.5022$
 CCT=4075K (Duv=0.0017) Dominant WL: $L_d = 577.9\text{nm}$ WL: $L_c = \text{--nm}$ Purity=27.3%
 Ratio: R=17.9% G=78.9% B=3.3% ; Peak WL: $L_p = 446.9\text{nm}$ FWHM=20.0nm
 Render Index: $R_a = 81.9$

R1 =80 R2 =86 R3 =92 R4 =83 R5 =81 R6 =82 R7 =86
 R8 =65 R9 =7 R10=68 R11=82 R12=62 R13=81 R14=96 R15=74

Photo Parameters:

Flux = 875.0 lm Eff. : 91.34 lm/W $P_e = 2.657$ W

Electrical parameters:

V = 12.080 V I = 0.7930 A P = 9.579 W PF = 1.000

WHITE:ANSI_4000K

Status: Integral T = 59 ms $I_p = 43409$ (66%)

Model:LED POOL LIGHT
 Tester:Atanas DAKOV
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:96PL1 10
 Date:2022-09-16 10:50:29
 Humidity:65.0%
 Remarks:8841