

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: 93MTL0540/BL

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

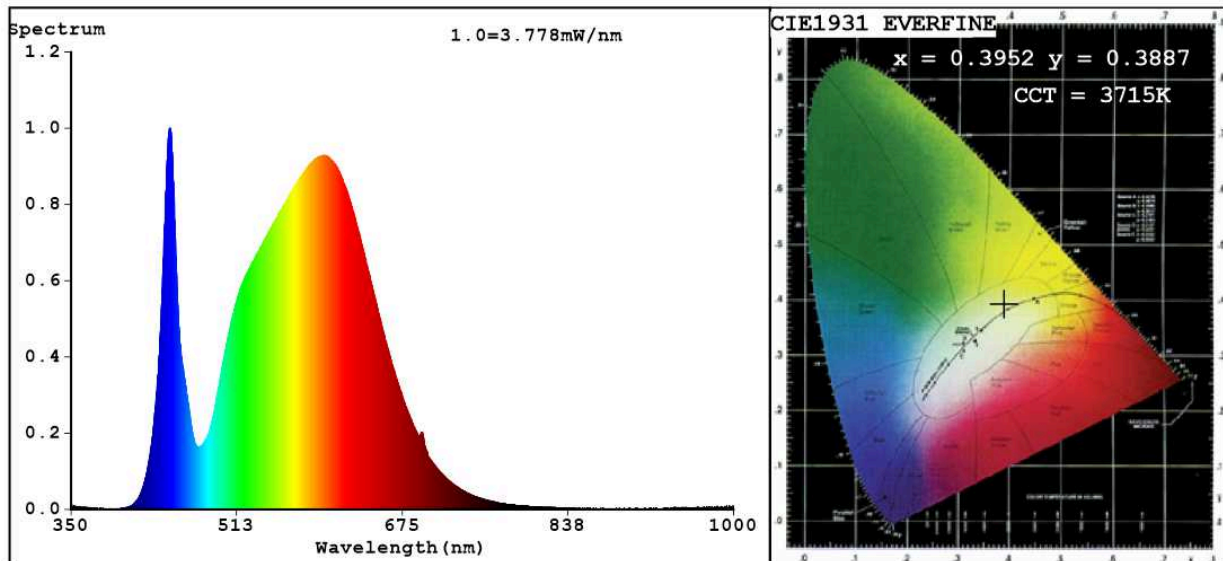
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	5	Energy efficiency class	G
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	200 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	10,5	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	81
Outer dimensions without	Height	Spectral power distribution in the	See image in last page
	Width		
	Depth		

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)	0,395 0,388
Parameters for directional light sources:				
Peak luminous intensity (cd)	447		Beam angle in degrees, or the range of beam angles that can be set	38
Parameters for LED and OLED light sources:				
R9 colour rendering index value	11		Survival factor	0,50
the lumen maintenance factor	0,93			

(a) : not applicable;

(b) : not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3952$ $y=0.3887$ $u'=0.2300$ $v'=0.5089$
 $CCT=3715K$ ($Duv=0.0015$) Dominant WL: $Ld = 579.5nm$ WL: $Lc = --nm$ Purity=35.3%
 Ratio: $R=19.1\%$ $G=78.1\%$ $B=2.7\%$ Peak WL: $Lp=447.2nm$ FWHM=17.2nm
 Render Index: $Ra=81.4$ AvgR=74.7 TM30: $Rf=83$ $Rg=97$ $Lav=575.9nm$

R1 =80	R2 =86	R3 =91	R4 =82	R5 =80	R6 =81	R7 =86
R8 =66	R9 =11	R10=67	R11=81	R12=60	R13=81	R14=95
						R15=74

Photo Parameters:

Flux = 201.8 lm Eff. : 19.22 lm/W Fe = 613.8 mW

Electrical parameters:

V = 225.16 V I = 0.2125 A P = 10.50 W PF = 0.2194

WHITE:ANSI_4000K

Status: Integral T = 225 ms Ip = 35353 (54%)

Model: led light
 Tester:Atanas DAKOV
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:93MTL0540 BL
 Date:2021-11-18 09:14:37
 Humidity:65.0%
 Remarks:7876