

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: 93MTL1540/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

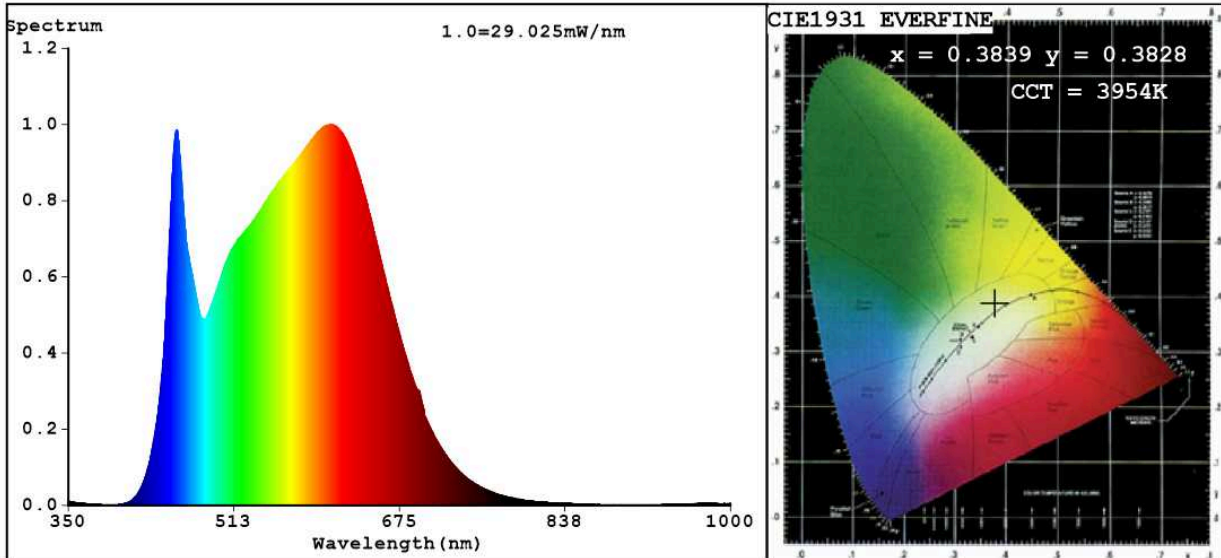
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	15	Energy efficiency class	G
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	1 600 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	23,0	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	91
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)	0,383 0,382
Parameters for directional light sources:			
Peak luminous intensity (cd)	606	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	53	Survival factor	0,50
the lumen maintenance factor	0,93		

(a): not applicable;

(b): not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3839$ $y=0.3828$ / $u'=0.2249$ $v'=0.5047$
 CCT=3954K (Duv=0.0018) Dominant WL:Ld =578.3nm WL:Lc = --nm Purity=30.1%
 Ratio:R=19.7% G=75.8% B=4.6% ; Peak WL:Lp=606.1nm FWHM=183.3nm
 Render Index:Ra=91.4 AvgR=88.0 TM30:Rf=89 Rg=96 Lav=576.5nm

R1 =92 R2 =97 R3 =97 R4 =89 R5 =91 R6 =95 R7 =90
 R8 =80 R9 =53 R10=93 R11=90 R12=73 R13=94 R14=99 R15=87

Photo Parameters:

Flux = 1750 lm Eff. : 76.01 lm/W Fe = 5.798 W

Electrical parameters:

V = 225.03 V I = 0.2739 A P = 23.02 W PF = 0.3734
 WHITE:ANSI_4000K

Status: Integral T = 35 ms Ip = 45382 (69%)

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

Number:93MTL1540 BL
 Date:2021-11-18 13:50:16
 Humidity:65.0%
 Remarks:7876