

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: 93MTL1030/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

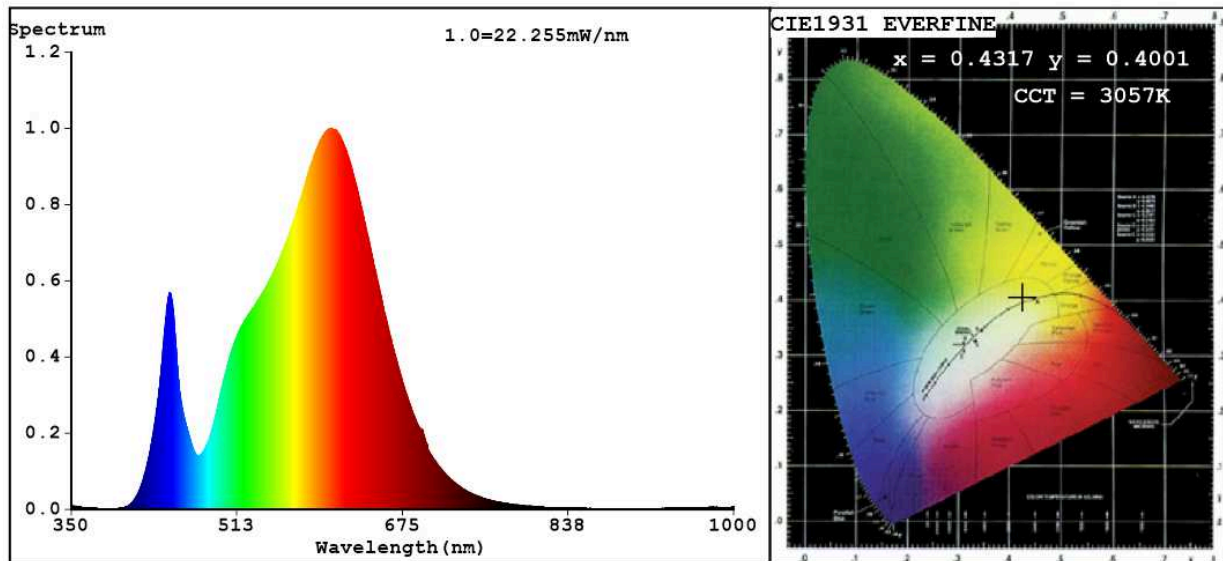
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	10	Energy efficiency class	G
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	1 000 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	3 000
On-mode power (P_{on}), expressed in W	16,5	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	83
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)	0,431 0,400
Parameters for directional light sources:				
Peak luminous intensity (cd)	603		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	14		Survival factor	0,50
the lumen maintenance factor	0,93			

(a) : not applicable;

(b) : not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4317$ $y=0.4001$ $u'=0.2489$ $v'=0.5190$
 CCT=3057K (Duv=-0.0009) Dominant WL:Ld =582.9nm WL:Lc = --nm Purity=49.6%
 Ratio:R=22.8% G=74.8% B=2.4% Peak WL:Lp=603.5nm FWHM=137.7nm
 Render Index:Ra=83.8 AvgR=78.5 TM30:Rf=83 Rg=98 Lav=588.9nm

R1 =83	R2 =90	R3 =96	R4 =84	R5 =83	R6 =88	R7 =85
R8 =63	R9 =14	R10=77	R11=84	R12=75	R13=84	R14=98 R15=76

Photo Parameters:

Flux = 1106 lm Eff. : 66.89 lm/W Fe = 3.435 W

Electrical parameters:

V = 225.16 V I = 0.2380 A P = 16.54 W PF = 0.3086
 WHITE:ANSI_3000K

Status: Integral T = 44 ms Ip = 43807 (67%)

Model: Four poles magnetic led light	Number:93MTL1030 BL
Tester:Atanas DAKOV	Date:2021-11-18 09:19:57
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:7876