

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: 99DS205

Type of light source:

Lighting technology used:	mixed	Non-directional or directional:	DLS
Light source cap-type (or other electric interface)	Integrated LED		
Mains or non-mains:	MLS	Connected light source (CLS):	Yes
Colour-tuneable light source:	No	Envelope:	No
High luminance light source:	Yes		
Anti-glare shield:	No	Dimmable:	No

Product parameters

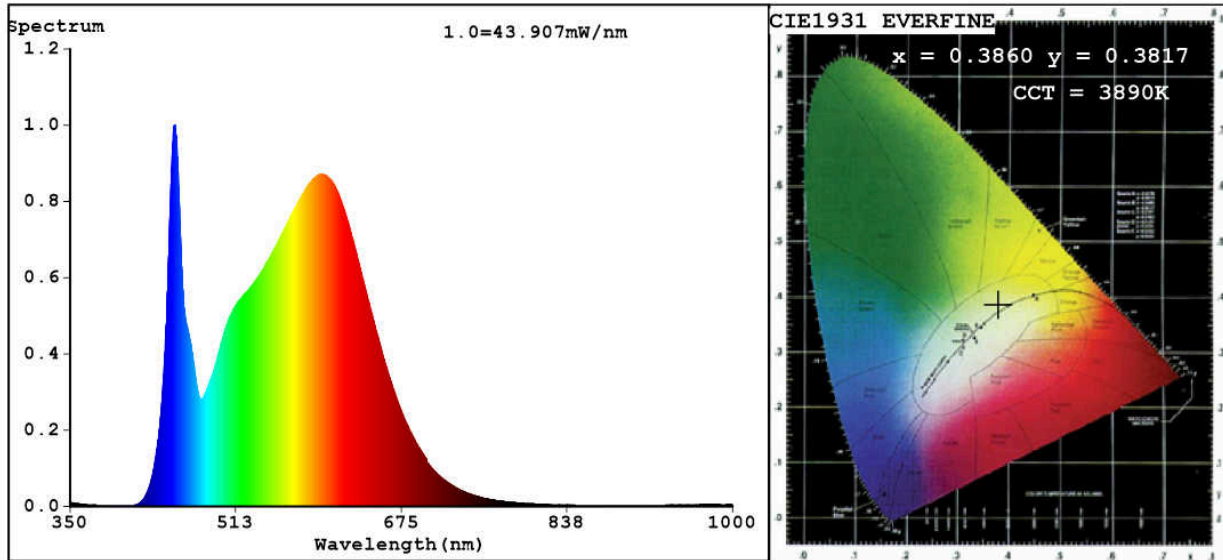
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	20	Energy efficiency class	E
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	2 200 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	22,9	Standby power (P_{sb}), expressed in W and rounded to the second decimal	0,30
Networked standby power (P_{net}) for CLS, expressed in W and rounded to the second decimal	0,20	Colour rendering index, rounded to the nearest integer, or the range of CRI-values that can be set	84
Outer dimensions without separate control gear, lighting control	Height	250	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	66	
	Depth	66	
			See image in last page

parts and non-lighting control parts, if any (millimetre)			
Claim of equivalent power ^(a)	-	If yes, equivalent power (W)	-
		Chromaticity coordinates (x and y)	0,386 0,381
Parameters for directional light sources:			
Peak luminous intensity (cd)	452	Beam angle in degrees, or the range of beam angles that can be set	30

(a) '-': not applicable;

(b) '-': not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3860$ $y=0.3817$ / $u'=0.2268$ $v'=0.5046$
 CCT=3890K (Duv=0.0007) Dominant WL:Ld =579.1nm WL:Lc = --nm Purity=30.4%
 Ratio:R=18.9% G=77.2% B=3.9%; Peak WL:Lp=452.3nm FWHM=18.2nm
 Render Index:Ra=84.7 AvgR=78.7 TM30:Rf=85 Rg=95 Lav=572.3nm

R1 =83 R2 =92 R3 =96 R4 =82 R5 =83 R6 =89 R7 =86
 R8 =65 R9 =14 R10=81 R11=82 R12=65 R13=86 R14=99 R15=77

Photo Parameters:

Flux = 2173 lm Eff. : 94.84 lm/W Fe = 6.671 W

Electrical parameters:

V = 225.20 V I = 0.2189 A P = 22.91 W PF = 0.4647

WHITE:ANSI_4000K

Status: Integral T = 27 ms Ip = 50255 (77%)

Model:ST53A
 Tester:Atanas DAKOV
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:99DS205
 Date:2021-10-12 11:23:29
 Humidity:65.0%
 Remarks: