

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: 93TLOM190WW/GR

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:	MLS	Connected light source (CLS):	No
Colour-tuneable light source:	No	Envelope:	-
High luminance light source:	No		
Anti-glare shield:	No	Dimmable:	No

Product parameters

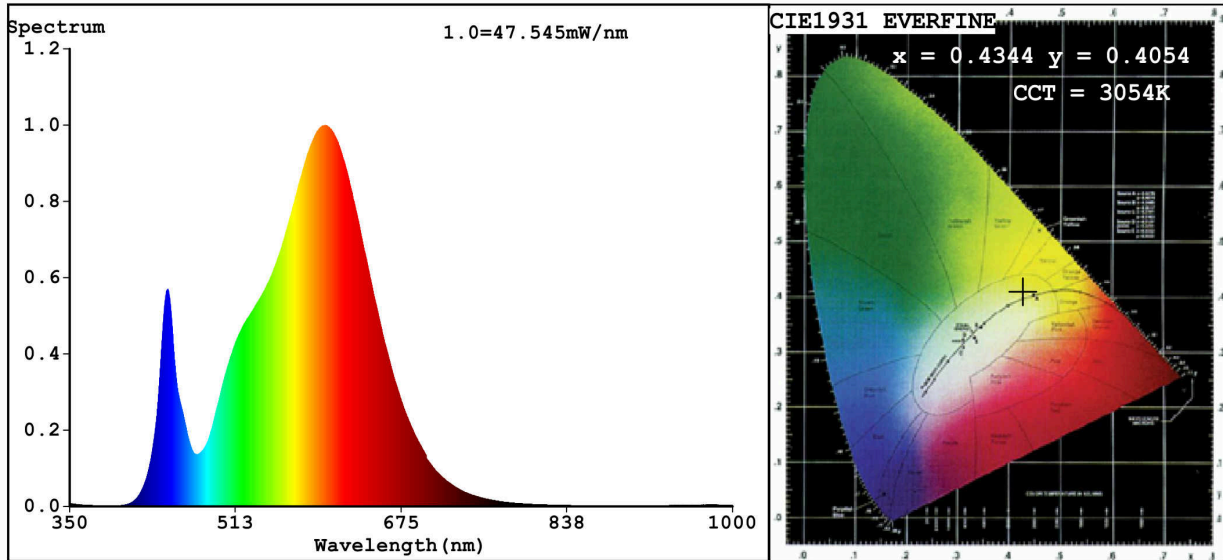
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	30	Energy efficiency class	F
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	3 000 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	30,1	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	79
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)	0,434 0,405
Parameters for directional light sources:				
Peak luminous intensity (cd)	602		Beam angle in degrees, or the range of beam angles that can be set	24
Parameters for LED and OLED light sources:				
R9 colour rendering index value	0		Survival factor	0,50
the lumen maintenance factor	0,93			
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ 1)	0,50		Colour consistency in McAdam ellipses	0
Claims that an LED light source replaces a fluorescent light source without integrated ballast of a particular wattage.	-(b)		If yes then replacement claim (W)	-
Flicker metric (Pst LM)	0,0		Stroboscopic effect metric (SVM)	0,0

(a) : not applicable;

(b) : not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4344$ $y=0.4054/u'=0.2484$ $v'=0.5215$
 CCT=3054K(Duv=0.0009) Dominant WL:Ld =582.3nm WL:Lc = --nm Purity=52.1%
 Ratio:R=22.1% G=75.7% B=2.2%; Peak WL:Lp=602.1nm FWHM=126.8nm
 Render Index:Ra=79.8

R1 =77 R2 =87 R3 =96 R4 =79 R5 =78 R6 =84 R7 =82
 R8 =55 R9 =0 R10=72 R11=78 R12=67 R13=79 R14=98 R15=69

Photo Parameters:

Flux = 2343 lm Eff. : 77.72 lm/W Fe = 6.954 W

Electrical parameters:

V = 219.97 V I = 0.2427 A P = 30.15 W PF = 0.5647

WHITE:ANSI_3000K

Status: Integral T = 11 ms Ip = 47328 (72%)

Model:LED INTERIOR LIGHTING
 Tester:Atanas Dakov
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:93TLOM190WW/WH
 Date:2019-12-04 15:38:05
 Humidity:65.0%
 Remarks:6292