

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: 93TLR504CW/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

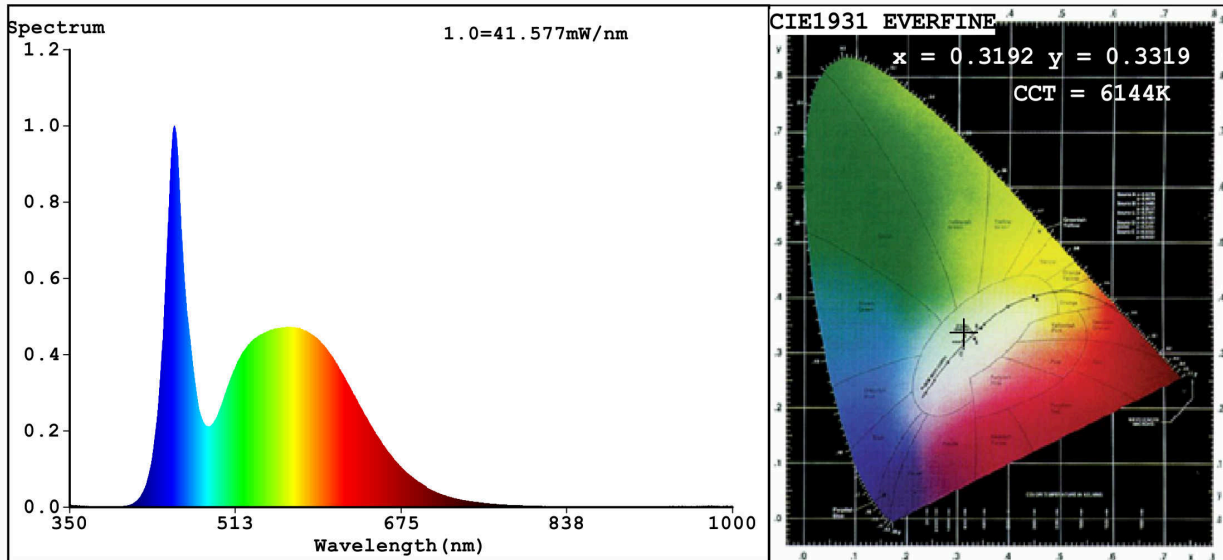
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	15	Energy efficiency class	F
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	1 250 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	6 000
On-mode power (P_{on}), expressed in W	15,4	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	82
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)	0,319 0,331
Parameters for directional light sources:				
Peak luminous intensity (cd)	452		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	10		Survival factor	0,50
the lumen maintenance factor	0,93			
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ_1)	0,90		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: $x=0.3192$ $y=0.3319$ / $u'=0.2013$ $v'=0.4708$

CCT=6144K(Duv=0.0014) Dominant WL:Ld =490.4nm Purity=4.9%

Ratio:R=13.9% G=80.8% B=5.3%; Peak WL:Lp=452.7nm FWHM=22.9nm

Render Index:Ra=82.6

R1 =81	R2 =88	R3 =90	R4 =82	R5 =81	R6 =81	R7 =88	
R8 =70	R9 =10	R10=69	R11=80	R12=55	R13=83	R14=95	R15=78

Photo Parameters:

Flux = 1258 lm Eff. : 81.19 lm/W Fe = 4.064 W

Electrical parameters:

V = 229.93 V I = 0.07025 A P = 15.49 W PF = 0.9593

WHITE:ANSI_6500K

Status: Integral T = 28 ms Ip = 51252 (78%)

Model:SKY TLR COB/15W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:93TLR504CW/GR
Date:2018-02-19 11:25
Humidity:65.0%
Remarks:O17V055À_4281