

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: 93T302L24CCT/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:	MLS	Connected light source (CLS):	Yes
Colour-tuneable light source:	Yes	Envelope:	-
High luminance light source:	Yes		
Anti-glare shield:	No	Dimmable:	No

Product parameters

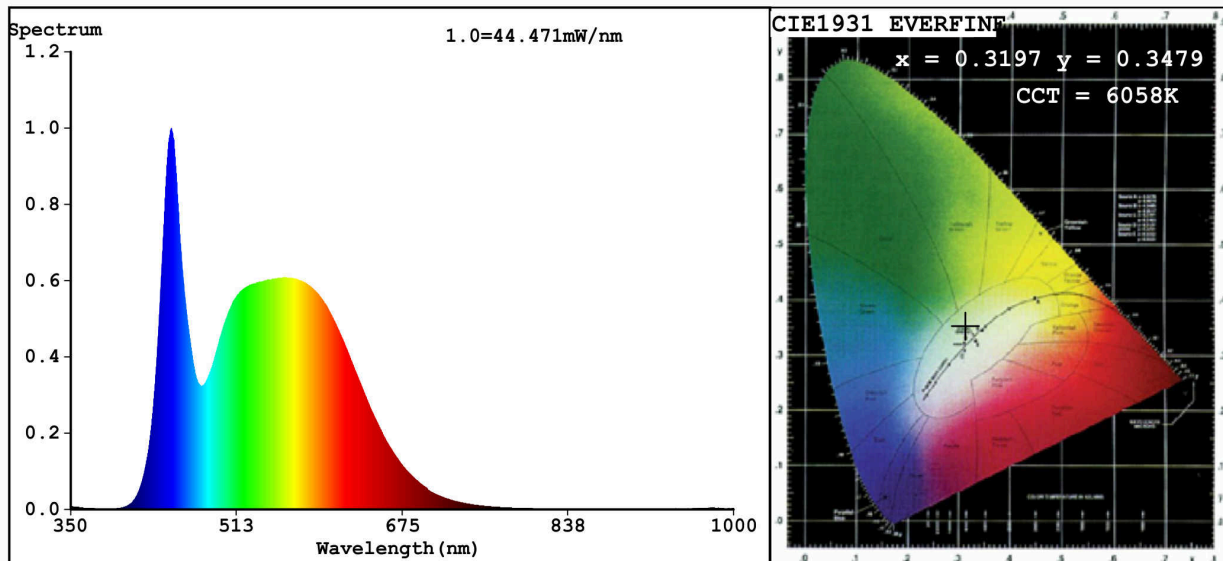
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	24	Energy efficiency class	F
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	1 920 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 or 4 000 or 5 700
On-mode power (P_{on}), expressed in W	21,5	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	0,05	Colour rendering index, rounded to the nearest integer, or the range of CRI-values that can be set	81
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 0,347	
Parameters for directional light sources:				
Peak luminous intensity (cd)	448	Beam angle in degrees, or the range of beam angles that can be set	30	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	0	Survival factor	0,90	
the lumen maintenance factor	0,90			
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ_1)	0,40	Colour consistency in McAdam ellipses	1	
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: $x=0.3197$ $y=0.3479$ $u'=0.1957$ $v'=0.4791$
CCT=6058K (Duv=0.0093) Dominant WL:Ld =506.4nm WL:Lc = --nm Purity=4.2%
Ratio:R=13.2% G=81.4% B=5.4%; Peak WL:Lp=448.6nm FWHM=27.5nm
Render Index:Ra=81.8 AvgR=74.3 TM30:Rf=84 Rg=93 Lav=540.8nm

R1 =78	R2 =86	R3 =93	R4 =82	R5 =80	R6 =83	R7 =88
R8 =66	R9 =0	R10=68	R11=81	R12=64	R13=80	R14=96 R15=71

Photo Parameters:

Flux = 1773 lm Eff. : 82.26 lm/W Fe = 5.570 W

Electrical parameters:

V = 225.24 V I = 0.2103 A P = 21.56 W PF = 0.4552

WHITE:OUT

Status: Integral T = 28 ms Ip = 50065 (76%)

Model:LED FLOODLIGHT
Tester:Atanas DAKOV
Temperature:25.3Deg
Manufacturer:ELMARK

Number:93T302L24CCT/BL
Date:2021-06-30 13:50:26
Humidity:65.0%
Remarks:MOSTRA