

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: 93K302L12CCT/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

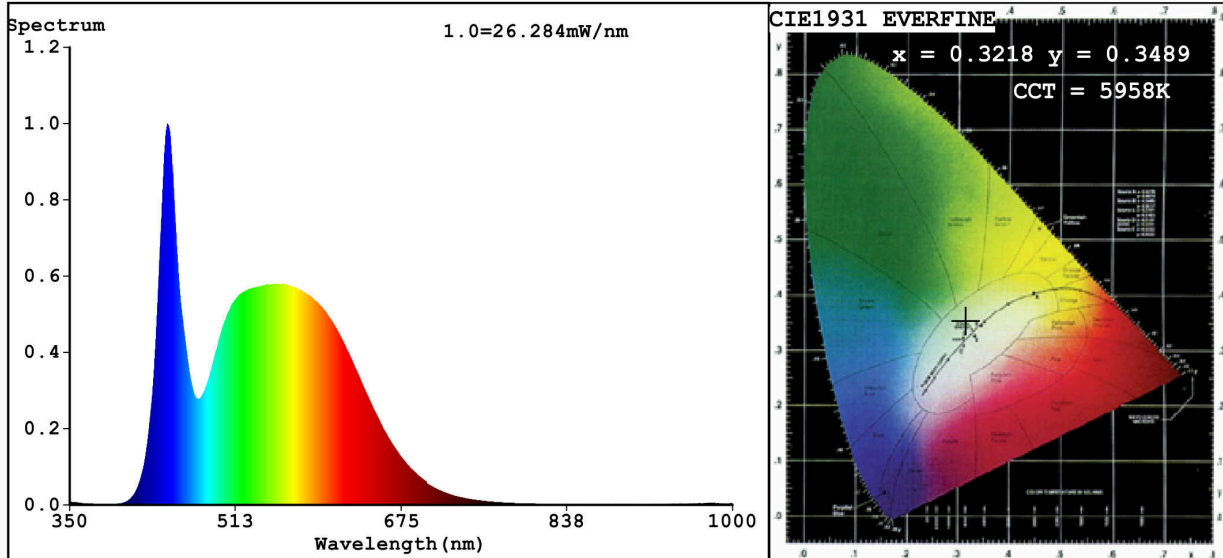
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	12	Energy efficiency class	F
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	960 in Wide cone (120°)	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	12,0	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	82
Outer dimensions without	Height	286	Spectral power distribution in the
	Width	72	
	Depth	42	
			See image in last page

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)	0,321 0,348
Parameters for directional light sources:				
Peak luminous intensity (cd)	445		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	2		Survival factor	0,90
the lumen maintenance factor	1,00			
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ 1)	0,20		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: $x=0.3218$ $y=0.3489/u'=0.1968$ $v'=0.4799$
 CCT=5958K (Duv=0.0087) Dominant WL:Ld =510.7nm WL:Lc = --nm Purity=3.6%
 Ratio:R=13.6% G=81.2% B=5.2%; Peak WL:Lp=445.9nm FWHM=24.1nm
 Render Index:Ra=82.4 AvgR=75.1 TM30:Rf=85 Rg=94 Lav=542.4nm

R1 =79 R2 =85 R3 =92 R4 =83 R5 =81 R6 =82 R7 =88
 R8 =69 R9 =2 R10=67 R11=83 R12=66 R13=80 R14=96 R15=73

Photo Parameters:

Flux = 999.6 lm Eff. : 82.90 lm/W Fe = 3.166 W

Electrical parameters:

V = 225.23 V I = 0.1904 A P = 12.06 W PF = 0.2812

WHITE:OUT

Status: Integral T = 48 ms Ip = 50481 (77%)

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

Number:93K302L12CCT/BL
 Date:2021-06-30 14:00:53
 Humidity:65.0%
 Remarks:MOSTRA