

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: 96LEDW307/BL

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
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:	Yes		
Anti-glare shield:	No	Dimmable:	No

Product parameters

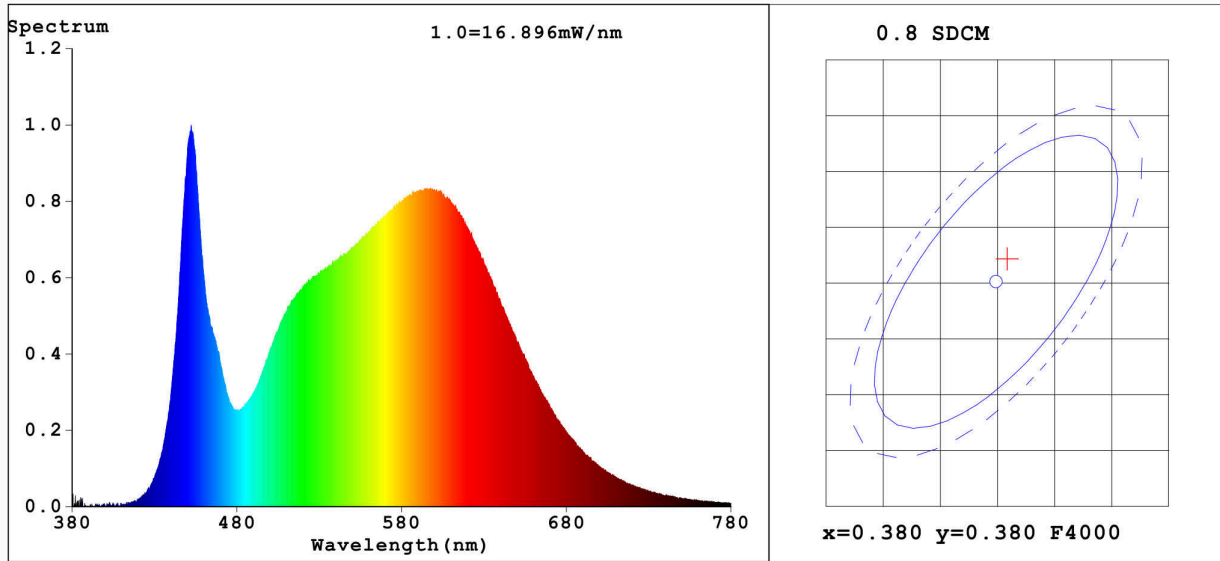
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	6	Energy efficiency class	F
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	823 in Sphere (360°)	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	5,9	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	83
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)	0,381 0,382
Parameters for LED and OLED light sources:			
R9 colour rendering index value	12	Survival factor	0,90
the lumen maintenance factor	0,94		
Parameters for LED and OLED mains light sources:			
displacement factor (cos ϕ_1)	0,50	Colour consistency in McAdam ellipses	6
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)	1,0	Stroboscopic effect metric (SVM)	0,4

(a): not applicable;

(b): not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3810$ $y=0.3821/u'=0.2233$ $v'=0.5040$
 CCT=4024K (Duv=0.0023) Dominant WL:Ld =577.8nm Purity=29.0%
 Ratio:R=18.3% G=78.0% B=3.7% Peak WL:Lp=452.3nm FWHM=19.6nm
 Render Index:Ra=83.8
 R1 =82 R2 =90 R3 =96 R4 =82 R5 =82 R6 =86 R7 =87
 R8 =66 R9 =12 R10=76 R11=82 R12=60 R13=84 R14=98 R15=76

Photo Parameters:

Flux = 823.7 lm Eff. : 99.41 lm/W Fe = 2.486 W

Electrical parameters:

V = 230.40 V I = 0.06994 A P = 8.286 W PF = 0.5142

LEVEL:OUT WHITE:ANSI_4000K

Status: Integral T = 732 ms Ip = 32344 (49%)

Model:96LEDW307/BL
 Tester:
 Temperature:25.3Deg
 Manufacturer:FLD

Number:1
 Date:2020-11-21
 Humidity:65.0%
 Remarks: