

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: 99RING11504096/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):	No
Colour-tuneable light source:	No	Envelope:	-
High luminance light source:	No		
Anti-glare shield:	No	Dimmable:	No

Product parameters

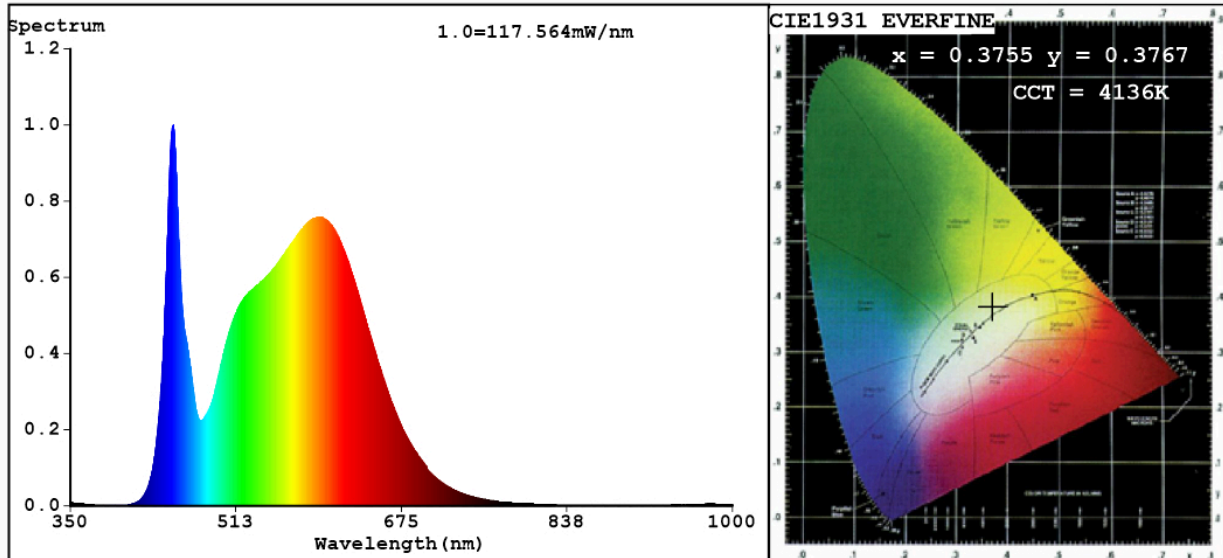
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	63	Energy efficiency class	F
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	5 270 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	4 000
On-mode power (P_{on}), expressed in W	57,0	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	-	Colour rendering index, rounded to the nearest integer, or the range of CRI-values that can be set	84
Outer dimensions without separate control gear, lighting control	Height	1 150	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	25	
	Depth	25	
			See image in last page

parts and non-lighting control parts, if any (millimetre)			
Claim of equivalent power ^(a)	-	If yes, equivalent power (W)	-
		Chromaticity coordinates (x and y)	0,375 0,376
Parameters for directional light sources:			
Peak luminous intensity (cd)	451	Beam angle in degrees, or the range of beam angles that can be set	90
Parameters for LED and OLED light sources:			
R9 colour rendering index value	13	Survival factor	0,50
the lumen maintenance factor	0,95		
Parameters for LED and OLED mains light sources:			
displacement factor (cos ϕ_1)	0,90	Colour consistency in McAdam ellipses	2
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)	0,2	Stroboscopic effect metric (SVM)	0,4

(a) '-': not applicable;

(b) '-': not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3755$ $y=0.3767$ / $u'=0.2219$ $v'=0.5008$
 CCT=4136K (Duv=0.0015) Dominant WL:Ld =577.7nm WL:Lc = --nm Purity=25.7%
 Ratio:R=18.0% G=78.3% B=3.7%; Peak WL:Lp=451.3nm FWHM=17.9nm
 Render Index:Ra=84.1

R1 =83 R2 =90 R3 =95 R4 =83 R5 =83 R6 =86 R7 =87
 R8 =67 R9 =13 R10=75 R11=83 R12=61 R13=84 R14=97 R15=77

Photo Parameters:

Flux = 5270 lm Eff. : 92.38 lm/W Fe = 16.10 W

Electrical parameters:

V = 229.25 V I = 0.2553 A P = 57.05 W PF = 0.9746

WHITE:ANSI_4000K

Status: Integral T = 12 ms Ip = 52888 (81%)

Model:LED INDOOR LIGHTING
 Tester:Atanas DAKOV
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:96RING11504096/WH
 Date:2022-08-23 10:50:41
 Humidity:65.0%
 Remarks:9170 order