

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: 95SHINE16LED

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:	No		
Anti-glare shield:	No	Dimmable:	No

Product parameters

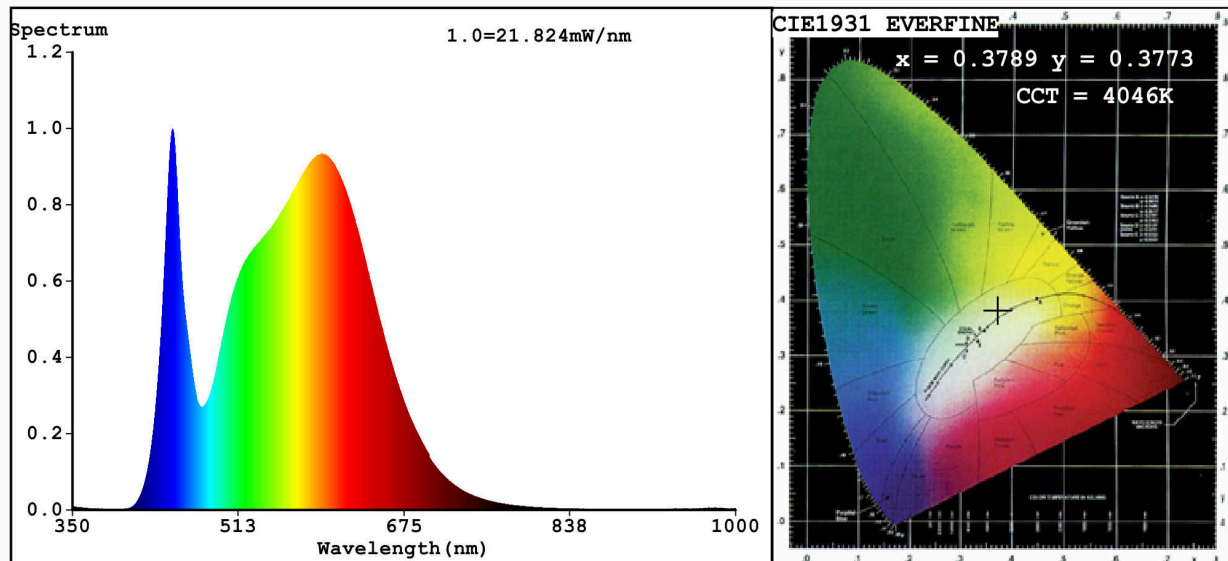
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	16	Energy efficiency class	G
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	1 198 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	4 000
On-mode power (P_{on}), expressed in W	16,0	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	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)	0,378 0,377	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	17	Survival factor	0,50	
the lumen maintenance factor	0,95			
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ_1)	0,50	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)	0,5	Stroboscopic effect metric (SVM)	0,9	

(a) : not applicable;

(b) : not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3789$ $y=0.3773$ $u'=0.2239$ $v'=0.5016$
 CCT=4046K (Duv=0.0007) Dominant WL: $\lambda_d = 578.5\text{nm}$ WL: $\lambda_c = \text{--nm}$ Purity=26.9%
 Ratio: R=18.3% G=78.1% B=3.6% Peak WL: $\lambda_p = 448.2\text{nm}$ FWHM=23.6nm
 Render Index: $R_a = 84.5$

R1 =83	R2 =89	R3 =94	R4 =85	R5 =83	R6 =85	R7 =88
R8 =68	R9 =17	R10=75	R11=85	R12=67	R13=84	R14=97
						R15=77

Photo Parameters:

Flux = 1198 lm Eff. : 79.29 lm/W $P_e = 3.721\text{ W}$

Electrical parameters:

V = 221.36 V I = 0.1223 A P = 15.10 W PF = 0.5579
 WHITE: ANSI_4000K

Status: Integral T = 32 ms $I_p = 33546$ (51%)

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

Number: 95SHINE16LED
 Date: 2020-07-10 09:32:25
 Humidity: 65.0%
 Remarks: 6708