

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: 96GRFLED0091

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

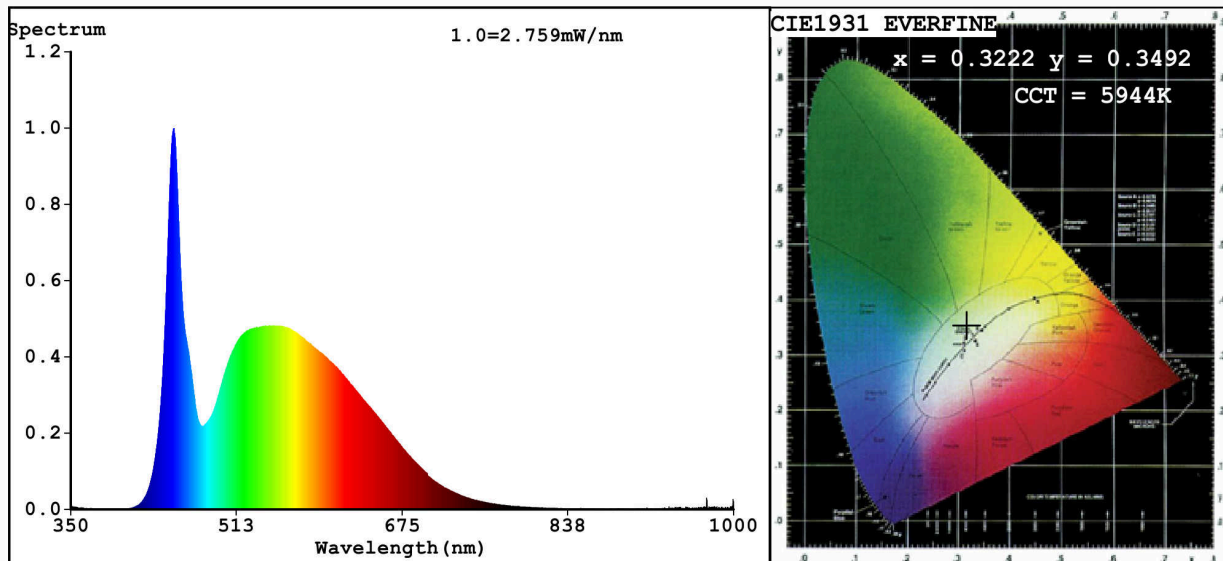
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	1	Energy efficiency class	F
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	140 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	6 500
On-mode power (P_{on}), expressed in W	1,5	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	-	Colour rendering index, rounded to the nearest integer, or the range of CRI-values that can be set	80
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)	0,322 0,349	
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)	0,45	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: $x=0.3222$ $y=0.3492$ $u'=0.1969$ $v'=0.4801$
 CCT=5944K (Duv=0.0087) Dominant WL: $\lambda_d = 511.8\text{nm}$ WL: $\lambda_c = \text{--nm}$ Purity=3.6%
 Ratio: R=13.9% G=81.0% B=5.1%; Peak WL: $\lambda_p = 451.3\text{nm}$ FWHM=18.1nm
 Render Index: $R_a = 84.3$

R1 =82	R2 =87	R3 =91	R4 =84	R5 =82	R6 =82	R7 =91
R8 =75	R9 =23	R10=70	R11=83	R12=57	R13=83	R14=95 R15=78

Photo Parameters:

Flux = 86.05 lm Eff. : 59.37 lm/W Fe = 283.1 mW

Electrical parameters:

V = 220.03 V I = 0.01457 A P = 1.449 W PF = 0.4522
 WHITE:OUT

Status: Integral T = 303 ms Ip = 37750 (58%)

Model: LED WALL RECESSED FIXTURES	Number: 96GRFLED0091
Tester: Atanas DAKOV	Date: 2020-06-11 13:39:34
Temperature: 25.3Deg	Humidity: 65.0%
Manufacturer: ELMARK	Remarks: 6603