

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: 99LED689

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:	NMLS	Connected light source (CLS):	Yes
Colour-tuneable light source:	No	Envelope:	-
High luminance light source:	No		
Anti-glare shield:	No	Dimmable:	No

Product parameters

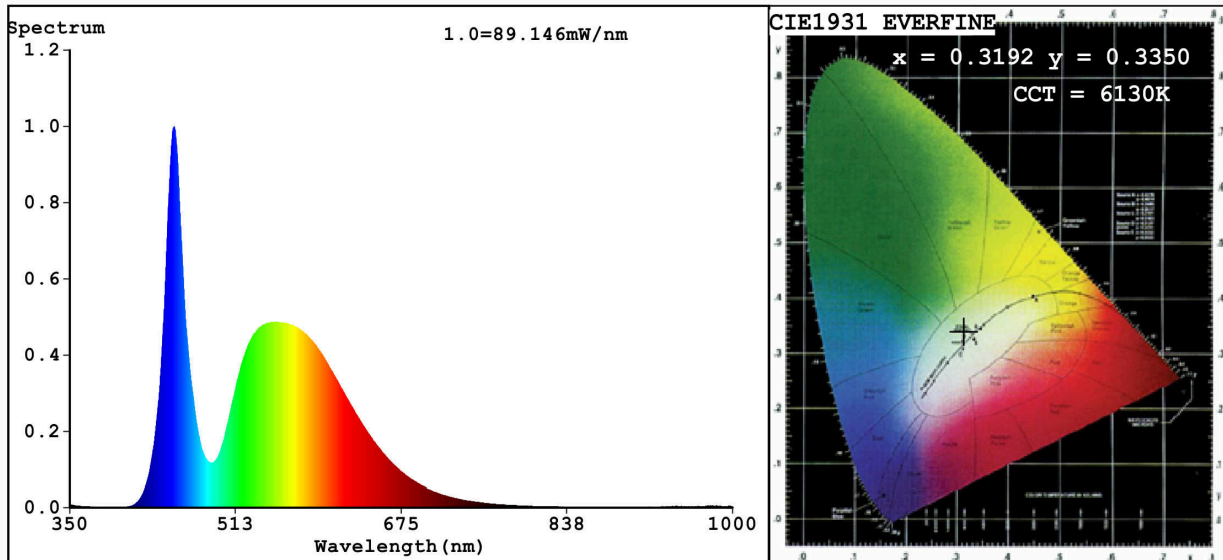
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	29	Energy efficiency class	F
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	2 620 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	6 000
On-mode power (P_{on}), expressed in W	29,0	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	75
Outer dimensions without separate control gear, lighting control	Height	1 000	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	15	
	Depth	3	
			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)	0,319 0,335
Parameters for directional light sources:			
Peak luminous intensity (cd)	452	Beam angle in degrees, or the range of beam angles that can be set	120
Parameters for LED and OLED light sources:			
R9 colour rendering index value	0	Survival factor	0,50
the lumen maintenance factor	0,95		

(a) : not applicable;

(b) : not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3192$ $y=0.3350$ / $u'=0.2001$ $v'=0.4725$

CCT=6130K (Duv=0.0030) Dominant WL: $\lambda_d = 493.2nm$ Purity=4.7%

Ratio: R=12.8% G=83.0% B=4.2%; Peak WL: $\lambda_p = 452.6nm$ FWHM=21.4nm

Render Index: Ra=75.0

R1 =73	R2 =80	R3 =82	R4 =75	R5 =73	R6 =71	R7 =85	
R8 =63	R9 =0	R10=49	R11=70	R12=40	R13=74	R14=90	R15=69

Photo Parameters:

Flux = 2613 lm Eff. : 75.09 lm/W Fe = 8.185 W

Electrical parameters:

V = 12.080 V I = 2.880 A P = 34.80 W PF = 1.000

WHITE:ANSI_6500K

Status: Integral T = 7 ms Ip = 34904 (53%)

Model:LED 600 12V/29W/m
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:99LED689
Date:2019-01-09 16:22
Humidity:65.0%
Remarks:018V035-1_5149