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: 99LED684

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:	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

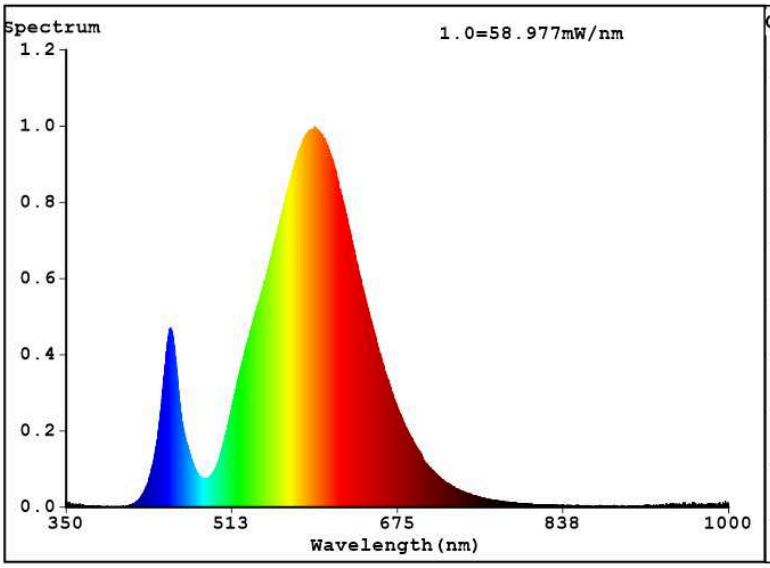
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	20	Energy efficiency class	G
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	2 000 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	2 700
On-mode power (P_{on}), expressed in W	35,0	Standby power (P_{sb}), expressed in W and rounded to the second decimal	0,50
Networked standby power (P_{net}) for CLS, expressed in W and rounded to the second decimal	0,50	Colour rendering index, rounded to the nearest integer, or the range of CRI-values that can be set	68
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	See image in last page
Outer dimensions without separate control gear, lighting control — Width	10		
Outer dimensions without separate control gear, lighting control — Depth	3		

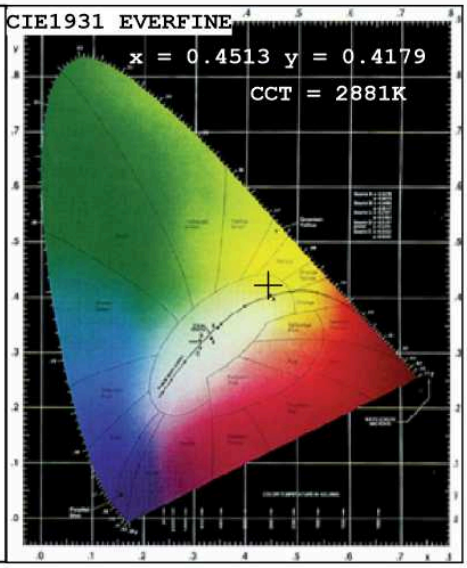
parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power[(a)]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,451 0,417
Parameters for LED and OLED light sources:				
R9 colour rendering index value		0	Survival factor	0,50
the lumen maintenance factor		0,93		

[(a)] '-' : not applicable;

[(b)] '-' : not applicable;

Spectrum Test Report





Color Parameters:

Chromaticity Coordinate:x=0.4513 y=0.4179/u'=0.2538 v'=0.5288

CCT=2881K(Duv=0.0036) Dominant WL:Ld =582.2nm Purity=60.9%

Ratio:R=21.3% G=77.3% B=1.4%¡¡Peak WL:Lp=594.5nm FWHM=114.6nm

Render Index:Ra=68.2

R1 =64	R2 =79	R3 =92	R4 =62	R5 =61	R6 =69	R7 =78	
R8 =41	R9 =0	R10=51	R11=53	R12=35	R13=66	R14=95	R15=57

Photo Parameters:

Flux = 2799 lm Eff. : 79.69 lm/W Fe = 7.898 W

Electrical parameters:

V = 12.080 V I = 2.908 A P = 35.13 W PF = 1.000

WHITE:ANSI_3000K

Status: Integral T = 12 ms Ip = 45090 (69%)

Model:LED 1200 12V/20W/m	Number:99LED684
Tester:Petya Marinova	Date:2019-01-09 16:12
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:O18V035-1_5149