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: 955CAMEO20

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

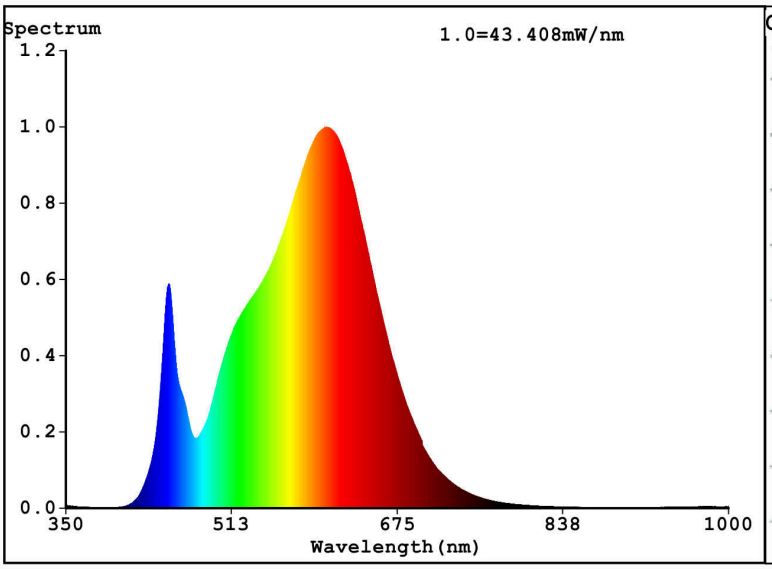
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	20	Energy efficiency class	F
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	2 000 in Sphere (360°)	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	3 000
On-mode power (P_{on}), expressed in W	22,8	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	85
Outer dimensions without — Height	600	Spectral power distribution in the	See image in last page
Outer dimensions without — Width	600		
Outer dimensions without — Depth	125		

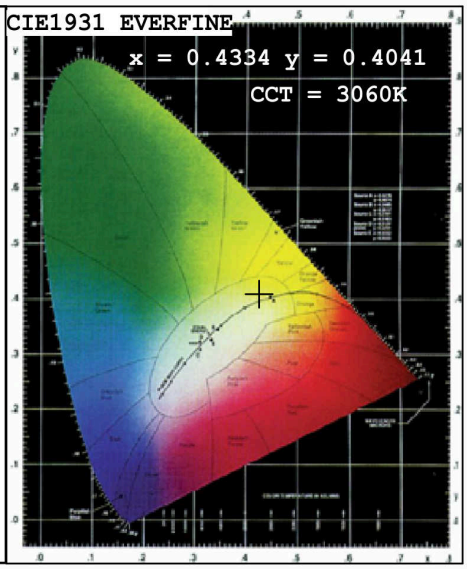
separate control gear, lighting control parts and non-lighting control parts, if any (millimetre)			range 250 nm to 800 nm, at full-load	
Claim of equivalent power[a]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,433 0,404
Parameters for LED and OLED light sources:				
R9 colour rendering index value		18	Survival factor	0,50
the lumen maintenance factor		0,93		
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ1)		0,50	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)		0,0	Stroboscopic effect metric (SVM)	0,0

[a] '-' : not applicable;

[b] '-' : not applicable;

Spectrum Test Report





Color Parameters:

Chromaticity Coordinate:x=0.4334 y=0.4041/u'=0.2483 v'=0.5209

CCT=3060K(Duv=0.0005) Dominant WL:Ld =582.4nm Purity=51.4%

Ratio:R=22.8% G=74.6% B=2.6%¡¡Peak WL:Lp=604.1nm FWHM=140.7nm

Render Index:Ra=85.0

R1 =84	R2 =92	R3 =97	R4 =84	R5 =84	R6 =90	R7 =85	
R8 =64	R9 =18	R10=81	R11=84	R12=72	R13=86	R14=99	R15=77

Photo Parameters:

Flux = 2182 lm Eff. : 95.37 lm/W Fe = 6.760 W

Electrical parameters:

V = 230.02 V I = 0.1884 A P = 22.88 W PF = 0.5278

WHITE:ANSI_3000K

Status: Integral T = 21 ms Ip = 45938 (70%)

Model:LED spotlight/4õ5W	Number:955CAMEO20
Tester:Petya Marinova	Date:2017-11-01 16:44
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:INNO170919-039_4104