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: 99LED767

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:	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

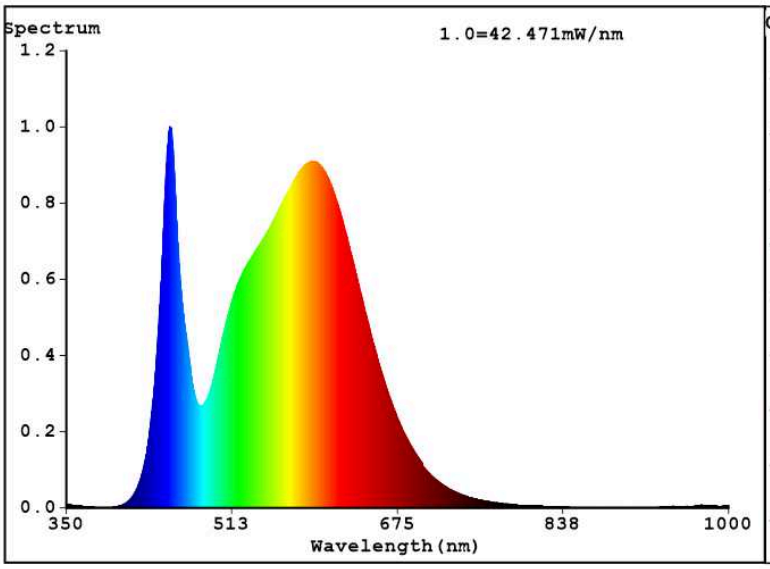
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	18	Energy efficiency class	D
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	2 200 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	4 000
On-mode power (P_{on}), expressed in W	17,6	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	81
Outer dimensions without separate control gear, lighting control — Height	25	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page
Width	220		
Depth	25		

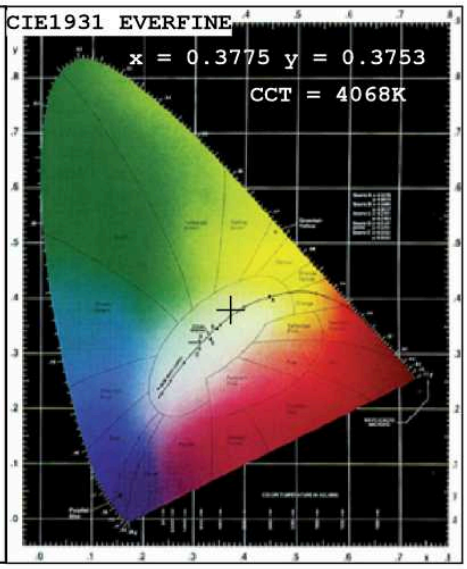
parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power[(a)]		Yes	If yes, equivalent power (W)	130
			Chromaticity coordinates (x and y)	0,377 0,375
Parameters for directional light sources:				
Peak luminous intensity (cd)		452	Beam angle in degrees, or the range of beam angles that can be set	120
Parameters for LED and OLED light sources:				
R9 colour rendering index value		4	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	0
Claims that an LED light source replaces a fluorescent light source without integrated ballast of a particular wattage.		Yes[(b)]	If yes then replacement claim (W)	125
Flicker metric (Pst LM)		0,6	Stroboscopic effect metric (SVM)	0,2

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

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

Spectrum Test Report





Color Parameters:

Chromaticity Coordinate:x=0.3775 y=0.3753/u'=0.2238 v'=0.5005

CCT=4068K(Duv=0.0002) Dominant WL:Ld =578.7nm WL:Lc = --nm Purity=25.9%

Ratio:R=17.9% G=78.5% B=3.6%¡¡Peak WL:Lp=452.0nm FWHM=24.2nm

Render Index:Ra=81.7

R1 =80	R2 =88	R3 =94	R4 =80	R5 =80	R6 =83	R7 =85	
R8 =63	R9 =4	R10=72	R11=78	R12=60	R13=82	R14=97	R15=74

Photo Parameters:

Flux = 2226 lm Eff. : 126.57 lm/W Fe = 6.770 W

Electrical parameters:

V = 219.96 V I = 0.1429 A P = 17.59 W PF = 0.5593

WHITE:ANSI_4000K

Status: Integral T = 26 ms Ip = 50655 (77%)

Model:LED MODUL	Number:99LED767
Tester:Atanas DAKOV	Date:2020-10-29 10:11:18
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:6855