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: 99LED792

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

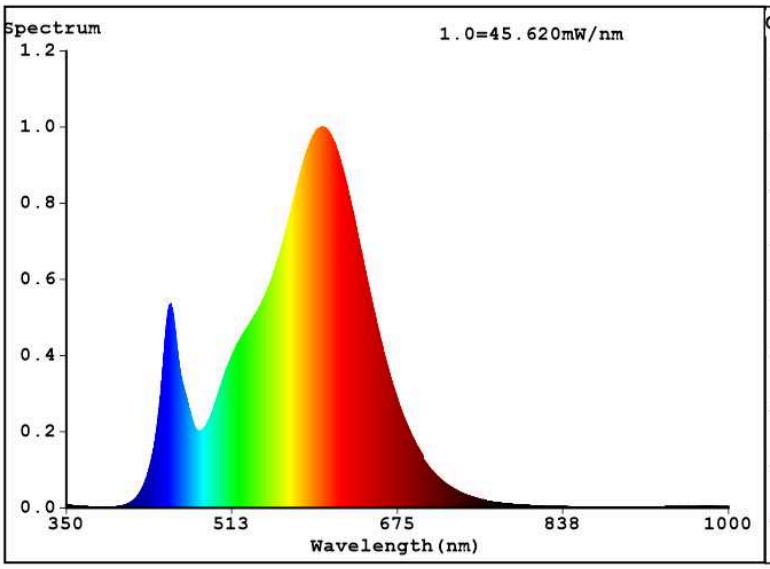
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	18	Energy efficiency class	E
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	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	3 000
On-mode power (P_{on}), expressed in W	17,5	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	27	Spectral power distribution in the	See image in last page
Outer dimensions without — Width	220		
Outer dimensions without — Depth	27		

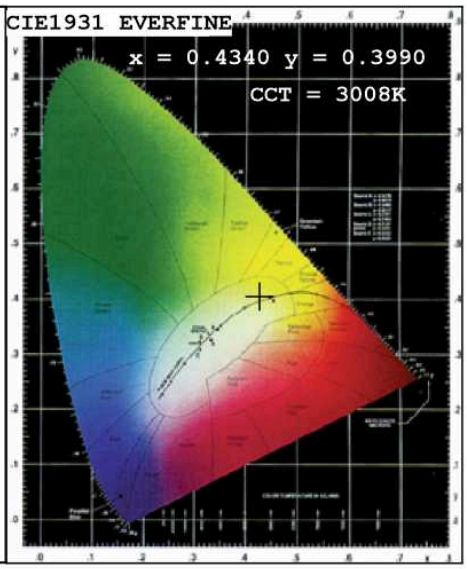
separate control gear, lighting control parts and non-lighting control parts, if any (millimetre)			range 250 nm to 800 nm, at full-load	
Claim of equivalent power[(a)]		Yes	If yes, equivalent power (W)	150
			Chromaticity coordinates (x and y)	0,434 0,399
Parameters for directional light sources:				
Peak luminous intensity (cd)		601	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		0,93		
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)	145
Flicker metric (Pst LM)		0,6	Stroboscopic effect metric (SVM)	0,3

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

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

Spectrum Test Report





Color Parameters:

Chromaticity Coordinate:x=0.4340 y=0.3990/u'=0.2509 v'=0.5189

CCT=3008K(Duv=-0.0016) Dominant WL:Ld =583.4nm WL:Lc = --nm Purity=50.0%

Ratio:R=22.7% G=74.7% B=2.7%¡¡Peak WL:Lp=601.1nm FWHM=119.4nm

Render Index:Ra=80.8

R1 =79	R2 =91	R3 =95	R4 =78	R5 =80	R6 =89	R7 =80	
R8 =55	R9 =0	R10=80	R11=77	R12=72	R13=82	R14=98	R15=72

Photo Parameters:

Flux = 2196 lm Eff. : 125.51 lm/W Fe = 6.648 W

Electrical parameters:

V = 220.00 V I = 0.1426 A P = 17.50 W PF = 0.5580

WHITE:ANSI_3000K

Status: Integral T = 22 ms Ip = 49793 (76%)

Model:LED EXTERIOR LIGHTING	Number:99LED792
Tester:Atanas DAKOV	Date:2020-12-14 16:15:21
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:6943