

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: 99LEDMOD1230

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	12	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°)	1 100 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	11,9	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	63	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	63	
	Depth	10	
			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)	0,449 0,406
Parameters for LED and OLED light sources:			
R9 colour rendering index value	5	Survival factor	0,00
the lumen maintenance factor	0,00		
Parameters for LED and OLED mains light sources:			
displacement factor (cos ϕ_1)	0,50	Colour consistency in McAdam ellipses	1
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;

Lamp test report

Product Remark

Type:	NO.:0	Manufacturer:
TempIn:15.6C	TempOut:15.6C	Humidity:%
Operator:	Time:14:34:58	Date:2020-12-23

CIE Color Parameter

Chromaticity Coordinate: $x=0.4491$ $y=0.4062$ $u=0.2575$ $v=0.3494$ $duv=-0.0006$
 CCT: $T_c=2822K$ DominantW.: 584.8nm Purity: 56.8%
 Peak Wave: 605nm Half Wave: 121.0nm RatioR=25.9% G=72.3% B=1.8%

Rending Idx: Ra= 81.6 Ra'= 76.0

R1 =80	R2 =92	R3 =95	R4 =78	R5 =80	R6 =90	R7 =81	R8 =57
R9 =5	R10=80	R11=76	R12=71	R13=83	R14=98	R15=73	

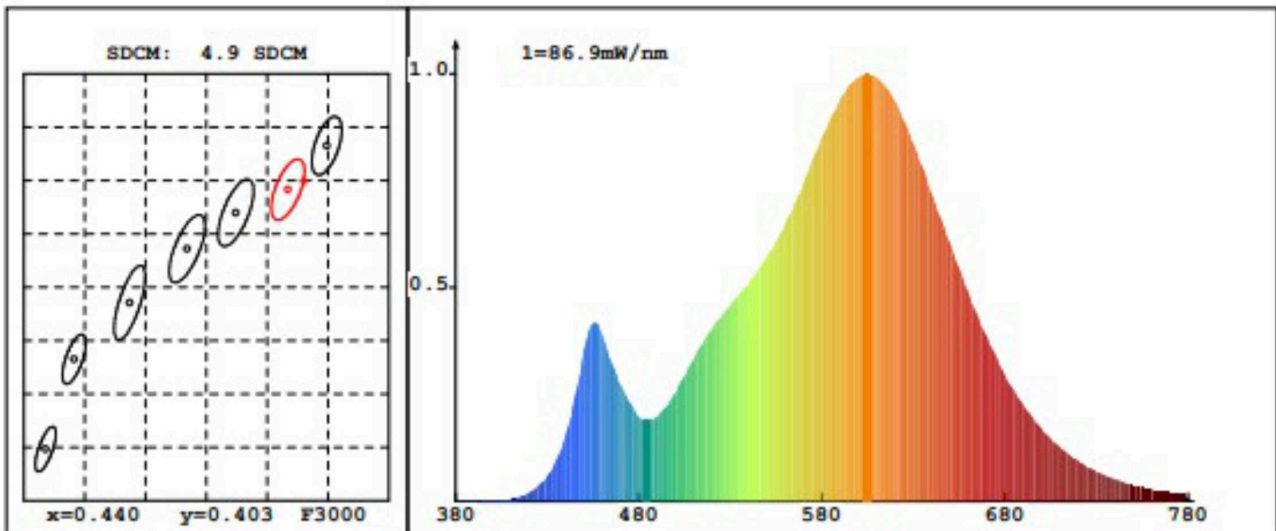


Photo Parameter

Flux: 1002.3 lm Effice: 83.8lm/W Lumi.Pow: 2.515W

Electrical Parameter

Voltage:230.5V Current:0.101A Power:11.96W PF:0.510

Instrument Status

Instrument:HopooHSP6000	Lamp:A2776K/2210.5lm	Scan Range:380nm-780nm
TestModel:Exact	Interval:5nm	PMT Temp:27.4C
Main:6	Id:39	Ip:33208
Reference:3	REF:39494	Undulation:-7.781%