

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: 99LEDMOD2430

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	24	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°)	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	3 000
On-mode power (P_{on}), expressed in W	23,9	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	84
Outer dimensions without separate control gear, lighting control	Height	120	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)	0,432 0,399
Parameters for LED and OLED light sources:			
R9 colour rendering index value	18	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:15.7C	TempOut:15.6C	Humidity:%
Operator:	Time:14:54:11	Date:2020-12-23

CIE Color Parameter

Chromaticity Coordinate: $x=0.4326$ $y=0.3991$ $u=0.2499$ $v=0.3458$ $duv=-0.0014$
 CCT: $T_c=3033K$ DominantW.: 584.3nm Purity: 49.6%
 Peak Wave: 605nm Half Wave: 130.4nm RatioR=24.9% G=72.8% B=2.4%

Rending Idx: Ra= 84.4 Ra'= 79.8

R1 =84	R2 =95	R3 =93	R4 =81	R5 =84	R6 =93	R7 =82	R8 =62
R9 =18	R10=88	R11=80	R12=74	R13=87	R14=97	R15=77	

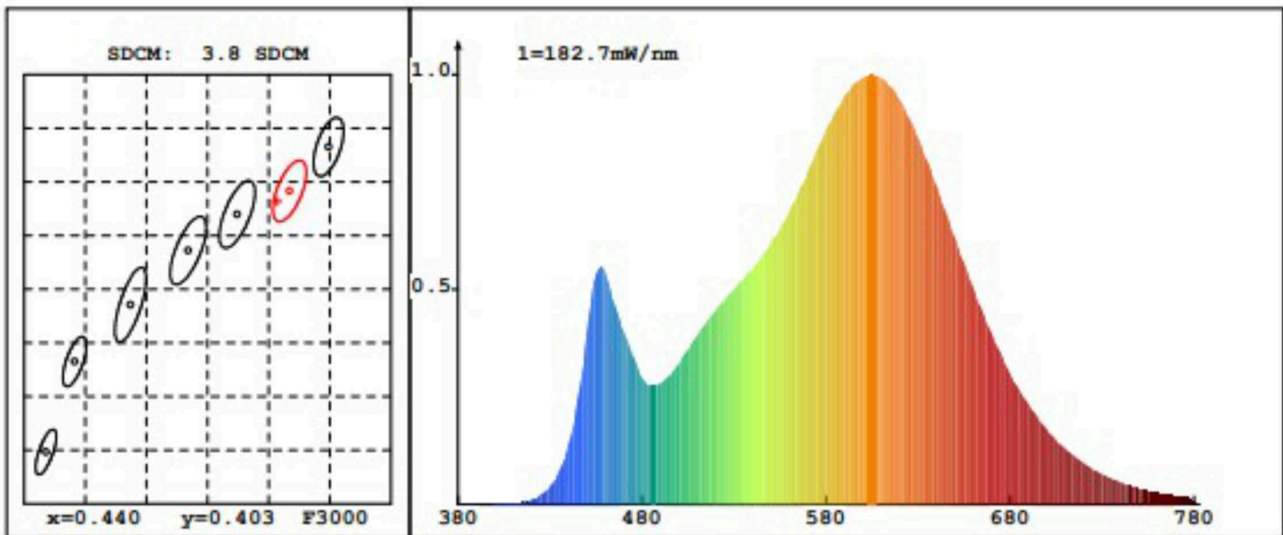


Photo Parameter

Flux: 2009.9 lm Efficie: 84.0lm/W Lumi.Pow: 5.643W

Electrical Parameter

Voltage:230.1V Current:0.188A Power:23.93W PF:0.550

Instrument Status

Instrument:HopooHSP6000	Lamp:A2776K/2210.5lm	Scan Range:380nm-780nm
TestModel:Exact	Interval:5nm	PMT Temp:27.4C
Main:5	Id:38	Ip:21000
Reference:2	REF:8596	Undulation:-6.899%