

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: 99LEDMOD1240

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°)	1 140 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	12,0	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	83
Outer dimensions without	Height	Spectral power distribution in the	See image in last page
	Width		
	Depth		

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)	0,376 0,376	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	7	Survival factor	0,00	
the lumen maintenance factor	0,00			
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ_1)	0,40	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:15.0C	TempOut:15.1C	Humidity:%
Operator:	Time:16:28:51	Date:2020-12-23

CIE Color Parameter

Chromaticity Coordinate: $x=0.3762$ $y=0.3764$ $u=0.2225$ $v=0.3339$ $duv=0.0011$
 CCT: $T_c=4115K$ DominantW.: 579.0nm Purity: 25.9%
 Peak Wave: 451nm Half Wave: 27.2nm RatioR=19.4% G=77.8% B=2.8%

Rending Idx: Ra= 83.2 Ra'= 76.6

R1 =81	R2 =90	R3 =95	R4 =82	R5 =82	R6 =86	R7 =86	R8 =64
R9 =7	R10=75	R11=81	R12=63	R13=84	R14=98	R15=75	

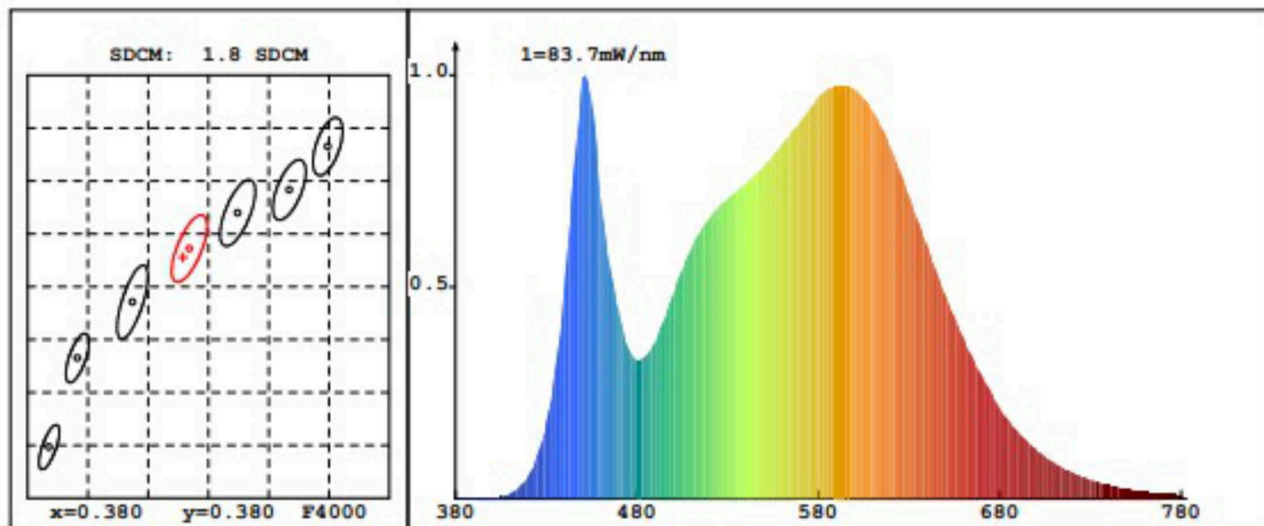


Photo Parameter

Flux: 1008.1 lm Effice: 83.8lm/W Lumi.Pow: 2.892W

Electrical Parameter

Voltage:230.0V Current:0.096A Power:12.03W PF:0.490

Instrument Status

Instrument:HopooHSP6000	Lamp:A2776K/2210.5lm	Scan Range:380nm-780nm
TestModel:Exact	Interval:5nm	PMT Temp:35.4C
Main:6	Id:41	Ip:47857
Reference:3	REF:42566	Undulation:-7.762%