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: 99LEDMOD2460

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 (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	2 056 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	6 000
On-mode power (P_{on}), expressed in W	24,0	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	120	Spectral power distribution in the	See image in last page
Outer dimensions without — Width	63		
Outer dimensions without — Depth	10		

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)	0,306 0,318
Parameters for LED and OLED light sources:				
R9 colour rendering index value		15	Survival factor	0,00
the lumen maintenance factor		0,00		
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ1)		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:15.1C	TempOut:15.3C	Humidity:%
Operator:	Time:16:49:25	Date:2020-12-23

CIE Color Parameter

Chromaticity Coordinate: x=0.3066 y=0.3182 u=0.1976 v=0.3077 duv=0.0007

CCT: Tc= 6469K	DominantW.: 485.2nm	Purity: 10.3%
Peak Wave: 447nm	Half Wave: 30.5nm	RatioR=14.5% G=81.2% B=4.3%

Rending Idx: Ra= 83.7 Ra'= 77.2

R1 =83	R2 =86	R3 =88	R4 =85	R5 =84	R6 =81	R7 =88	R8 =74
R9 =15	R10=67	R11=86	R12=64	R13=84	R14=93	R15=79	

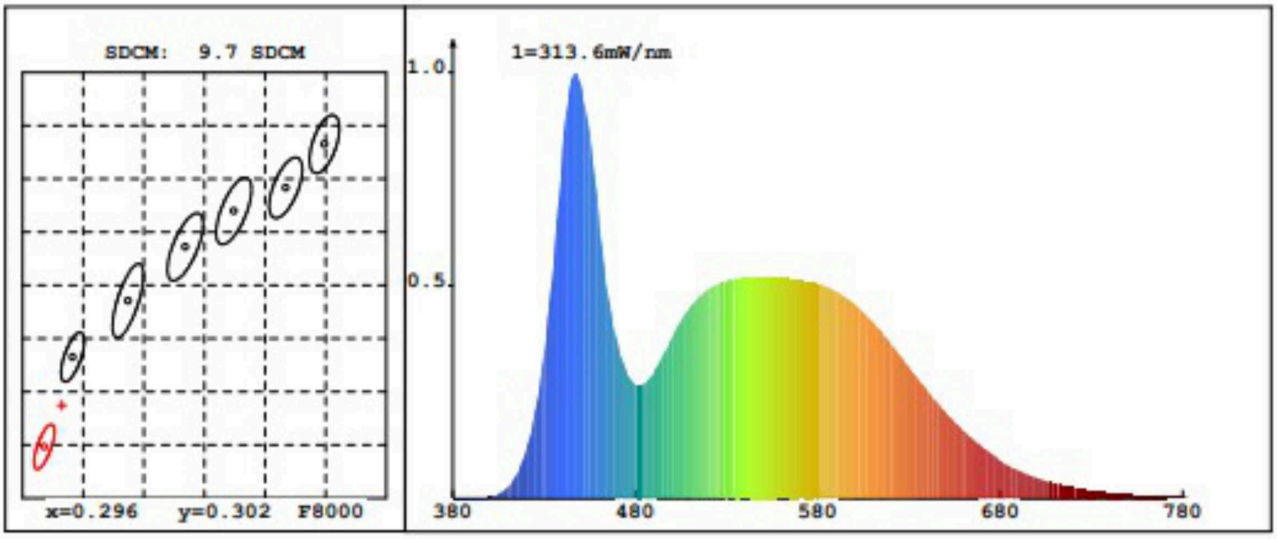

Photo Parameter

Flux: 2056.5 lm Effice: 84.9lm/W Lumi.Pow: 7.271W

Electrical Parameter

Voltage:230.0V Current:0.199A Power:24.22W PF:0.540

Instrument Status

Instrument:HopooHSP6000	Lamp:A2776K/2210.51m	Scan Range:380nm-780nm
TestModel:Exact	Interval:5nm	PMT Temp:37.8C
Main:5	Id:39	Ip:52716
Reference:2	REF:9865	Undulation:-3.862%