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: 99LEDMOD2440

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)	2 200 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	4 000
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 separate control gear, lighting control — Height	120	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page
Width	63		
Depth	10		

parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power[(a)]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,375 0,375
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 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:15.2C	TempOut:15.3C	Humidity:%
Operator:	Time:16:52:50	Date:2020-12-23

CIE Color Parameter

Chromaticity Coordinate: x=0.3750 y=0.3751 u=0.2222 v=0.3334 duv=0.0009

CCT: Tc= 4141K	DominantW.: 579.0nm	Purity: 25.1%
Peak Wave: 451nm	Half Wave: 27.7nm	RatioR=19.3% G=77.8% B=2.9%

Rending Idx: Ra= 83.3 Ra'= 76.7

R1 =81	R2 =90	R3 =95	R4 =82	R5 =82	R6 =86	R7 =86	R8 =65
R9 =7	R10=75	R11=81	R12=64	R13=84	R14=98	R15=75	

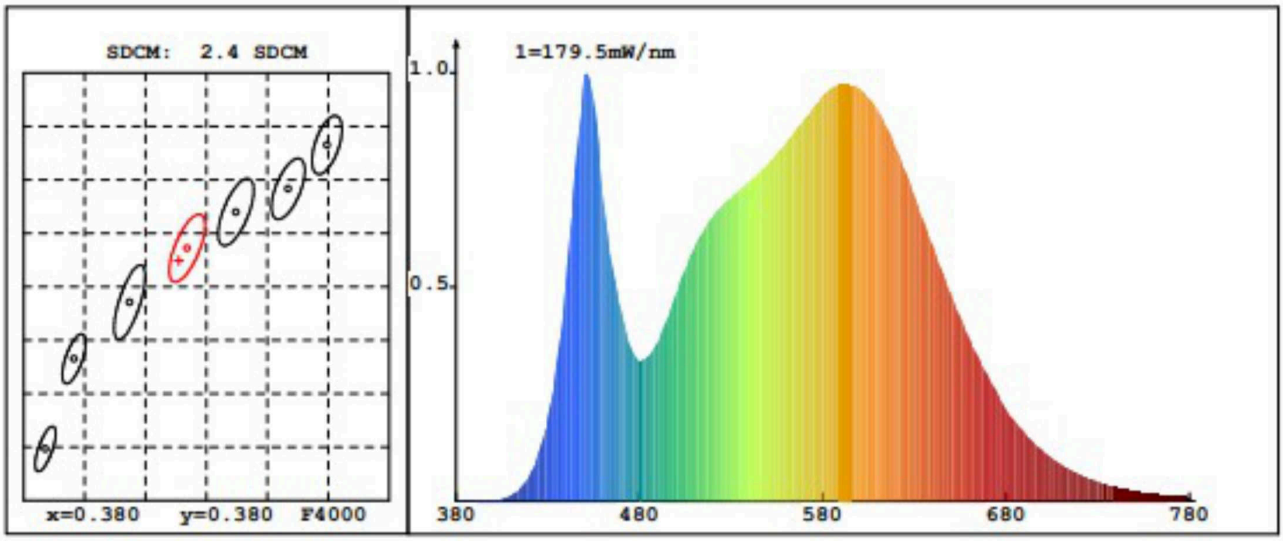

Photo Parameter

Flux: 1998.6 lm Effice: 83.11m/W Lumi.Pow: 6.223W

Electrical Parameter

Voltage:230.0V Current:0.190A Power:24.06W PF:0.530

Instrument Status

Instrument:HopooHSP6000	Lamp:A2776K/2210.51m	Scan Range:380nm-780nm
TestModel:Exact	Interval:5nm	PMT Temp:37.9C
Main:5	Id:39	Ip:29947
Reference:2	REF:9341	Undulation:-5.224%