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: 99LED447MHE

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
Light source cap-type (or other electric interface)	T8 G13		
Mains or non-mains:	MLS	Connected light source (CLS):	No
Colour-tuneable light source:	No	Envelope:	-
High luminance light source:	Yes		
Anti-glare shield:	No	Dimmable:	No

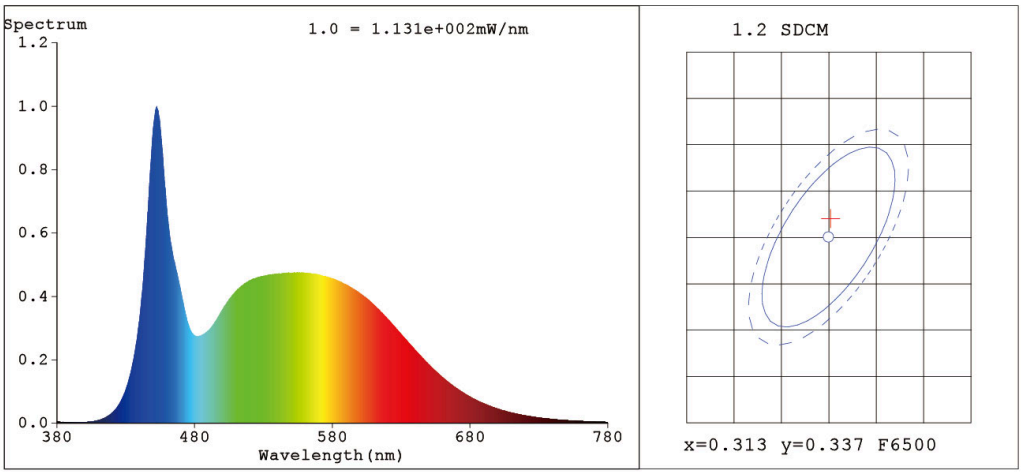
Product parameters

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	D
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)		3 600 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	6 400
On-mode power (P_{on}), expressed in W		24,1	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	1 514	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page
	Width	28		
	Depth	28		

parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power[(a)]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,313 0,339
Parameters for LED and OLED light sources:				
R9 colour rendering index value		4	Survival factor	0,50
the lumen maintenance factor		0,95		
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ1)		0,90	Colour consistency in McAdam ellipses	4
Claims that an LED light source replaces a fluorescent light source without integrated ballast of a particular wattage.		Yes[(b)]	If yes then replacement claim (W)	200
Flicker metric (Pst LM)		0,5	Stroboscopic effect metric (SVM)	0,2

[(a)] '-' : not applicable;

[(b)] '-' : not applicable;



Colorimetric Parameters

Chromaticity Coordinate:x=0.3132 y=0.3390/u'=0.1945 v'=0.4736

CCT=6410K(Duv=0.0080) Dominant WL:Ld =495.3nm Purity=6.5%

Peak WL:Lp=452.5nm FWHM=22.7nm

Render Index:Ra=83.3

R1 =80.3 R2 =88.7 R3 =93.7 R4 =81.0 R5 =81.2 R6 =84.3 R7 =88.4

R8 =68.5 R9 =4.8 R10=73.2 R11=80.1 R12=57.7 R13=82.9 R14=96.8 R15=74.8

Photometric & Radiometric Parameters

Flux=3522 lm Eff.:145.63 lm/W Fe=11.25 W

Electrical parameters

V=220.15 V I=0.1155 A P=24.19 W PF=0.9511 F=49.99 Hz

Status: Integral T = 200 ms Ip = 47102 (72%)

Test Mode: Fast Test; Sensitivity = High; Tecool: ON

Model:
Test By:
Temperature:25.3Deg
Manufacturer:
Assessor:damin

Number:T8-24W-150LM-1
Date:2022-03-02 13:54:24
Humidity:65.0%
Remarks:15min
Device SN: