

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: 99LED354MHE

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

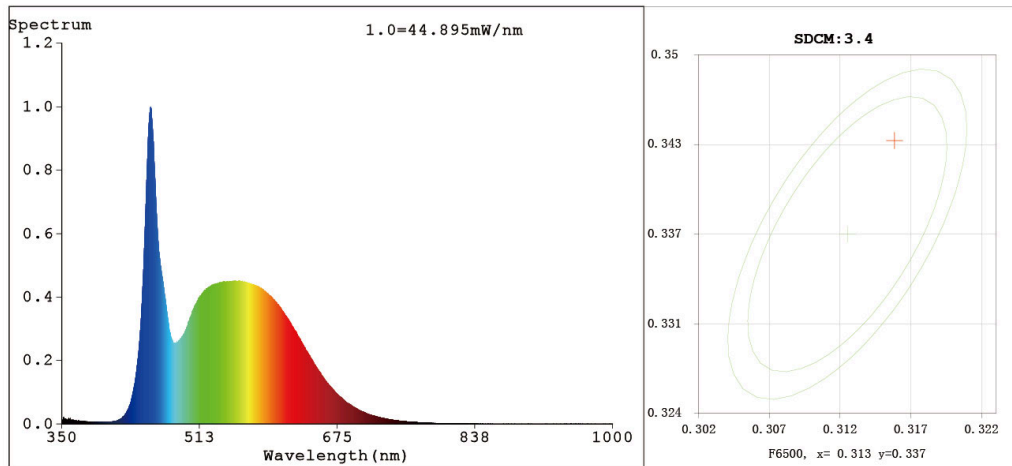
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	18	Energy efficiency class	D
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	2 700 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	6 300
On-mode power (P_{on}), expressed in W	18,1	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	1 213	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	28	
	Depth	28	
			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)	0,315 0,342
Parameters for LED and OLED light sources:			
R9 colour rendering index value	6	Survival factor	0,50
the lumen maintenance factor	0,95		
Parameters for LED and OLED mains light sources:			
displacement factor (cos ϕ_1)	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)	160
Flicker metric (Pst LM)	0,5	Stroboscopic effect metric (SVM)	0,2

(a)¹ : not applicable;

(b)¹ : not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3163$ $y=0.3436$ $u'=0.1949$ $v'=0.4765$
 CCT=6230K (Duv=0.0087) Dominant WL:Ld =499.6nm WL:Lc = --nm Purity=5.2%
 Ratio:R=13.4% G=80.7% B=5.9% Peak WL:Lp=455.4nm FWHM=20.5nm
 Render Index:Ra=83.2

R1 =81 R2 =90 R3 =95 R4 =79 R5 =81 R6 =86 R7 =87
 R8 =68 R9 =6 R10=76 R11=78 R12=55 R13=84 R14=97 R15=75

Photo Parameters:

Flux = 1328 lm Eff. : 149.62 lm/W Fe = 4.233 W

Electrical parameters:

V = 221.06 V I = 0.04355 A P = 8.876 W PF = 0.9220

Status: Integral T = 400 ms Ip = 30059 (46%)

GBT5702

Model:
 Tester:
 Temperature:25.3Deg
 Manufacturer:

Number:T8-9W(150LM)-2
 Date:2022-03-02 13:58:49
 Humidity:65.0%
 Remarks: