

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: 99LED832HEWW

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	DLS
Light source cap-type (or other electric interface)	GU10		
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

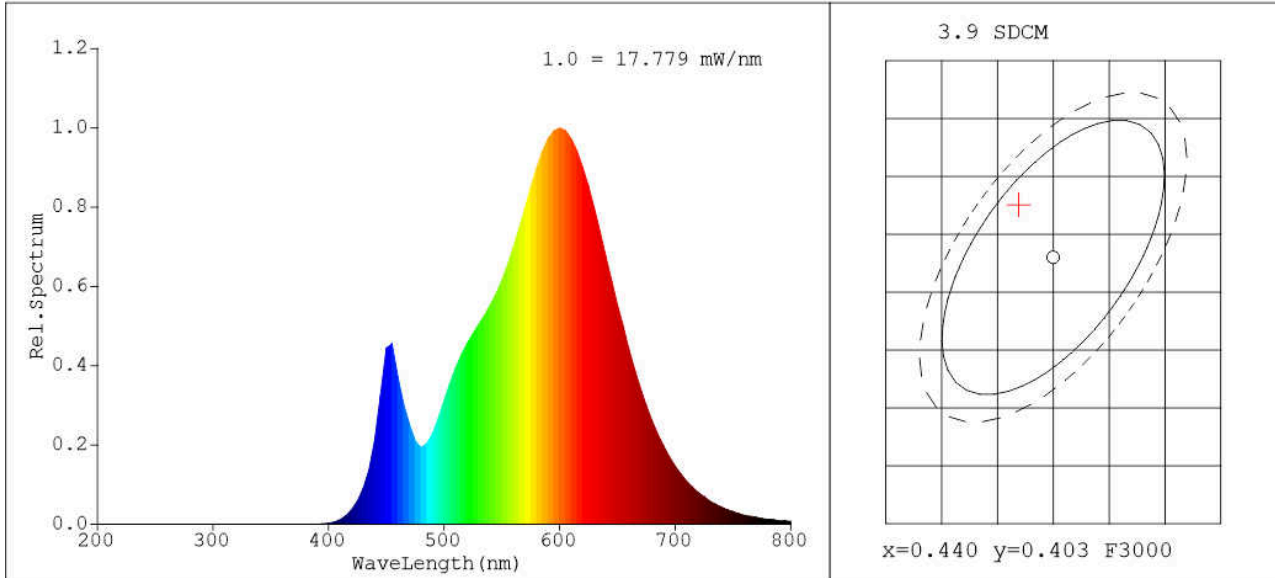
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	9	Energy efficiency class	E
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	1 000 in Narrow cone (90°)	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	3 000
On-mode power (P_{on}), expressed in W	9,6	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	67	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	50	
	Depth	50	
			See image in last page

parts and non-lighting control parts, if any (millimetre)			
Claim of equivalent power ^(a)	Yes	If yes, equivalent power (W)	75
		Chromaticity coordinates (x and y)	0,313 0,337
Parameters for directional light sources:			
Peak luminous intensity (cd)	1 538	Beam angle in degrees, or the range of beam angles that can be set	38
Parameters for LED and OLED light sources:			
R9 colour rendering index value	0	Survival factor	0,50
the lumen maintenance factor	0,95		
Parameters for LED and OLED mains light sources:			
displacement factor (cos ϕ_1)	0,50	Colour consistency in McAdam ellipses	4
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)	0,5	Stroboscopic effect metric (SVM)	0,2

(a) '-': not applicable;

(b) '-': not applicable;

Light Source Test Report



CIE Color Parameters:

Chromaticity Coordinate: $x=0.4369$ $y=0.4075$ / $u=0.2491$ $v=0.3485$

CCT: $T_c=3029K$ Prcp WaveL: $d_\lambda=582.2nm$ Purity=53.5%

Red Ratio: $R=22.2\%$ Peak Wave: $p_\lambda=600.0nm$ Half Width: $p_{\Delta\lambda}=136.0nm$

Rendering Index: $R_a=80.4$

R1 =78 R2 =89 R3 =96 R4 =78 R5 =78 R6 =87 R7 =82 R8 =55

R9 =0 R10=76 R11=76 R12=68 R13=81 R14=98 R15=70

Photo Parameters:

Flux= 983.8lm Eff=101.9lm/W Fe= 2.622W

Electrical Parameters:

U=230.0V I=0.07992A P=9.649W PF=0.525

Instrument Status:

Scan Range:380.0nm-800.0nm

Interval:5.0nm

$I_p = 1830$ (HV=1 3)

REF = 12948

Change = -0.623%

TMP = 27.7deg

Product Type:6102598

Product Number: **99LED832HEWW**

Instrument:PMS System

Manufacturer:

Test Operator:

Test Department:YUSING

Temperature:30.3deg

Humidity:65.0%

Remarks:

Test Date:2020-06-15 08:49