Product Information Sheet

COMMISSION DELEGATED REGULATION (EU) 2019/2015 with regard to energy labelling of light sources

Supplier's name	or trade mark:	ELMARK
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Supplier's address: ELMARK INDUSTRIES SC, bul.Dobrudja 2, 9300 Dobrich Dobrich, BG

Model identifier: 95GLOSS24

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Typa	Λt	liaht	source:
IVDE	VI.	IIKIIL	source.

Outer dimen-

sions without

separate con-

trol gear, light-

control

ing

Height

Width

Depth

Light source cap-type (or other electric interface) Mains or non-mains: MLS Connected light source (CLS): Colour-tuneable light source: No Envelope: Product parameter Parameter Value Seneral product parameters: Energy consumption in onmode (kWh/1000 h), rounded up to the nearest integer Useful luminous flux (фuse), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) On-mode power (Pon), expressed in W and rounded to the second decimal Networked standby power (Pon) for CLS, expressed in W and rounded to the second decimal Light source integer Integrated LED Non-directional or directional or directional: No Seneral Product parameter Value Parameter Value Parameter Value Parameters: Energy efficiency class Correlated colour temperature, rounded to the nearest 100 K, or the range of correlated colour temperatures, rounded to the second decimal Networked standby power (Pon), expressed in W and rounded to the second decimal Networked standby power (Pon) for CLS, expressed in W and rounded to the second decimal Networked standby power (Pon) for CLS, expressed in W and rounded to the second decimal				
(or other electric interface) Mains or non-mains: MLS Connected light source: No Envelope: - High luminance light source: No Anti-glare shield: Product parameters Parameter Value General product parameters: Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer Useful luminous flux (фuse), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) On-mode power (Pon), expressed in W Networked standby power (Pnet) for CLS, expressed in W and rounded to the second decimal MLS Connected light No Envelope: - Use Invelope: - Semeral product parameter Value Parameter Value 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 On-mode power (Pon), expressed in W and rounded to the second decimal Networked standby power (Pnet) for CLS, expressed in W and rounded to the second decimal	Lighting technology used:	LED		NDLS
Mains or non-mains: MLS Connected light source (CLS): Colour-tuneable light source: No Envelope: - High luminance light source: No Dimmable: No Product parameters Parameter Value General product parameters: Energy consumption in onmode (kWh/1000 h), rounded up to the nearest integer Useful luminous flux (фuse), indicating if it refers to the flux in a sphere (360°2), in a wide cone (120°) or in a narrow cone (90°2) On-mode power (Pon), expressed in W and rounded to the second decimal Networked standby power (Pnet) for CLS, expressed in W and rounded to the second decimal MILS Connected light source: No Envelope: - Value Parameter Value Energy efficiency class 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 On-mode power (Pon), expressed in W and rounded to the second decimal Networked standby power (Pnet) for CLS, expressed in W and rounded to the nearest integer, or the range of CRI-val-	Light source cap-type	Integrated LED		
Source (CLS): Colour-tuneable light source: High luminance light source: No Anti-glare shield: No Dimmable: No Product parameters Parameter Value Parameter: Energy consumption in onmode (kWh/1000 h), rounded up to the nearest integer Useful luminous flux (фuse), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°) On-mode power (Pon), expressed in W and rounded to the second decimal Networked standby power (Pnet) for CLS, expressed in W and rounded to the second decimal Source (CLS): Enerelope: - Value Parameter Value Parameter Value Parameter Value Parameter Value Parameter Value Energy efficiency class G 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 On-mode power (Pon), expressed in W and rounded to the second decimal Networked standby power (Ponet) for CLS, expressed in W and rounded to the nearest integer, or the range of CRI-val-	(or other electric interface)			
High luminance light source: Anti-glare shield: Product parameters Parameter Value Parameter Value General product parameters: Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer Useful luminous flux (фuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º) On-mode power (Pon), expressed in W Networked standby power (Ponet) for CLS, expressed in W and rounded to the second decimal Networked standby power (Pnet) for CLS, expressed in W and rounded to the second decimal Networked standby power (Pnet) for CLS, expressed in W and rounded to the second decimal	Mains or non-mains:	MLS		No
Anti-glare shield: Product parameters Parameter Value Parameter Value Parameter Value Parameter Value General product parameters: Energy consumption in onmode (kWh/1000 h), rounded up to the nearest integer Useful luminous flux (фuse), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°) On-mode power (Pon), expressed in W No Dimmable: No Product parameters Value Parameter Value Senergy efficiency class 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 100 K, t	Colour-tuneable light source:	No	Envelope:	-
Product parameters Parameter Value General product parameters: Energy consumption in onmode (kWh/1000 h), rounded up to the nearest integer Useful luminous flux (фuse), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°) On-mode power (Pon), expressed in W and rounded to the second decimal Networked standby power (Pont) for CLS, expressed in W and rounded to the second decimal Parameter Value Parameter Value Parameter Value Conrelated 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 On-mode power (Pont), expressed in W and rounded to the second decimal Networked standby power - Colour rendering index, rounded to the nearest integer, or the range of CRI-val-	High luminance light source:	No		
Parameter Value Parameter Value Parameter Value	Anti-glare shield:	No	Dimmable:	No
Energy consumption in on- mode (kWh/1000 h), rounded up to the nearest integer Useful luminous flux (фuse), in- dicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°) On-mode power (Pon), ex- pressed in W Networked standby power (Pnet) for CLS, expressed in W and rounded to the second decimal Energy efficiency class 24 Energy efficiency class Correlated colour temperature, rounded to the near- est 100 K, or the range of correlat- ed colour temper- atures, rounded to the nearest 100 K, that can be set On-mode power (Pon), ex- pressed in W Colour rendering in- dex, rounded to the nearest integer, or the range of CRI-val-		Product para	meters	
Energy consumption in on- mode (kWh/1000 h), rounded up to the nearest integer Useful luminous flux (фuse), in- dicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°) On-mode power (Pon), expressed in W Networked standby power (Pnet) for CLS, expressed in W and rounded to the second decimal Energy efficiency class 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 Colour rendering in- dex, rounded to the nearest integer, or the range of CRI-val-	Parameter	Value	Parameter	Value
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dicating if it refers to the flux in a sphere (360°), in a wide cone (120°) a sphere (360°), in a wide cone (120°) (120°) or in a narrow cone (90°) Cone (120°) temperature, rounded to the nearest 100 K, or the range of correlated colour temperatures, rounded to the nearest 100 K, that can be set On-mode power (Pon), expressed in W and rounded to the second decimal Networked standby power (Pnet) for CLS, expressed in W and rounded to the second dex, rounded to the nearest integer, or the range of CRI-val-	mode (kWh/1000 h), rounded	24		G
pressed in W and rounded to the second decimal Networked standby power - Colour rendering index, rounded to the and rounded to the second decimal - dex, rounded to the nearest integer, or imal the range of CRI-val-	dicating if it refers to the flux in a sphere (360°), in a wide cone		temperature, rounded to the nearest 100 K, or the range of correlated colour temperatures, rounded to the nearest 100 K,	6 500
(P _{net}) for CLS, expressed in W and rounded to the second decimal dex, rounded to the nearest integer, or the range of CRI-val-	1 (011)	25,3	expressed in W and rounded to the sec-	0,00
	(P _{net}) for CLS, expressed in W and rounded to the second dec-	-	dex, rounded to the nearest integer, or the range of CRI-val-	85

220

220

20

Spectral power dis-

range 250 nm to 800

nm, at full-load

in the

tribution

See image

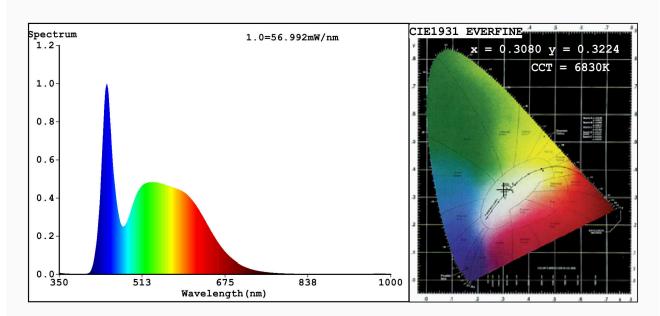
in last page

parts and non- lighting con- trol parts, if any (millime-						
tre)						
Claim of equivalent power ^(a)	-	If yes, equivalent power (W)	-			
		Chromaticity coordi-	0,308			
		nates (x and y)	0,322			
Parameters for LED and OLED light sources:						
R9 colour rendering index value	29	Survival factor	0,50			
the lumen maintenance factor	0,90					
Parameters for LED and OLED mains light sources:						
displacement factor (cos φ1)	0,50	Colour consistency in McAdam ellipses	6			
Claims that an LED light source replaces a fluorescent light source without integrated ballast of a particular wattage.	_(b)	If yes then replace- ment claim (W)	-			
Flicker metric (Pst LM)	0,0	Stroboscopic effect metric (SVM)	0,0			

(a)'-': not applicable; (b)'-': not applicable;



Spectrum Test Report



Color Parameters:

 $\label{eq:cordinate:x=0.3080} $$y=0.3224/u'=0.1971$ $v'=0.4640$ $$CCT=6830K(Duv=0.0022)$ Dominant WL:Ld =485.9nm Purity=9.4%$

Ratio:R=13.7% G=80.6% B=5.7%; Peak WL:Lp=442.8nm FWHM=25.3nm

Render Index:Ra=85.7

R1 =86 R2 =87 R3 =88 R4 =87 R5 =88 R6 =84 R7 =88

R8 = 78 R9 = 29 R10 = 69 R11 = 89 R12 = 73 R13 = 86 R14 = 93 R15 = 82

Photo Parameters:

Flux = 1807 lm Eff. : 71.28 lm/W Fe = 6.151 W

Electrical parameters:

V = 230.08 V I = 0.2158 A P = 25.35 W PF = 0.5107

WHITE: ANSI 6500K

Status: Integral T = 13 ms Ip = 39918 (61%)

Model:LED GLOSS/24W Number:95GLOSS24
Tester:Petya Marinova Date:2018-07-30 13:32
Temperature:25.3Deg Humidity:65.0%
Manufacturer:ELMARK Remarks:018V008A 4729