

Product Information Sheet

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

Supplier's name or trade mark: STELLAR

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

Model identifier: 98DUBLIN100SMD

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	DLS
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:	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	100	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°)	9 800 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	5 270
On-mode power (P_{on}), expressed in W	97,0	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	80
Outer dimensions without separate control gear, lighting control	Height	260	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	260	
	Depth	35	
			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)	0,338 0,354
Parameters for directional light sources:			
Peak luminous intensity (cd)	4 618	Beam angle in degrees, or the range of beam angles that can be set	95
Parameters for LED and OLED light sources:			
R9 colour rendering index value	1	Survival factor	0,90
the lumen maintenance factor	1,00		
Parameters for LED and OLED mains light sources:			
displacement factor (cos ϕ_1)	0,98	Colour consistency in McAdam ellipses	7
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;

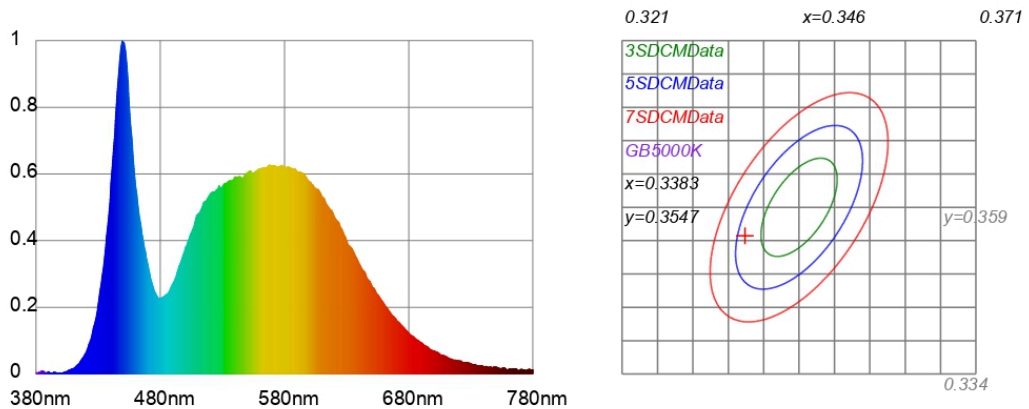
(b) '-': not applicable;

LED Lighting

Tel:;Fax:

Spectroradiometric & Electric Test Report

Product Name: A	Made by: D
Product SN: C	Sent by: F
Product Model: B	Sent Date: 2024-7-11



Photometric Results:

Luminous Flux: 9798.6777 lm Luminous Efficacy: 100.9771 lm/W Radiant Flux: 30.3743 W
Scotopic luminous Flux: 19294.1327 lm Blue light hazard efficacy: KBV=0.6884 W/Klm

Colorimetric Results:

Chromaticity Coordinates: x=0.3383 y=0.3547 u=0.2057 v=0.3235 u'=0.2057 v'=0.4852(CIE 2°)
CCT: Tcp=5269.69K(duv=4.338e-03) Dominant Wavelength: λd=563.2nm(E)
Excitation Purity: Pur=7.97% Peak Wavelength: λp=449.4nm Width50: Δλ=23.5nm
Centroid Wavelength: λc=548.7nm Center Wavelength: λ0.5m=450.5nm Red Ratio: Kr=14.69%
Color difference: 4.64SDCM(GB5000K) ANSI nominal CCT: 5000K(4-Step Circle)
Color Rendering Index: Ra=80.6 Gamut Area Index: GAI=82.08(E)
R1 =78.3 R2 =84.8 R3 =89.9 R4 =81.2 R5 =79.4 R6 =79.6 R7 =86.1 R8 =65.5
R9 =-2.1 R10=64.3 R11=80.3 R12=59.3 R13=79.6 R14=94.5 R15=71.9
Color Quality Scale: CQS=78.6
Q1 =81.0 Q2 =95.4 Q3 =74.3 Q4 =71.7 Q5 =78.0 Q6 =80.1 Q7 =82.4 Q8 =87.2
Q9 =94.0 Q10=82.4 Q11=79.0 Q12=78.3 Q13=78.6 Q14=66.9 Q15=72.1
Fidelity Index(IES): Rf=80.16 Gamut Index: Rg=95.77

Electric Results:

Electric Results: U =229.3823V I =0.4297A P =97.0386W PF=0.9847

Spectroradiometer Informations:

Wavelength range:380nm-780nm Integrating Time T=30ms Ip=48465(75%) [EU2000]

Tested by: KA
Approved by: AT
Test Lab: EU

Test Time: 2024-07-11 01:20:09
Temperature: 25°C
Humidity: 65%

Model placed on the Union market from 01/10/2024.



EPREL registration number: 728429

<https://eprel.ec.europa.eu/qr/728429>

Supplier: ELMARK INDUSTRIES SC (Importer)

Website: www.elmarkholding.eu

Customer care service:

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