

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: 98DUBLIN200SMD

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	200	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°)	20 000 in Wide cone (120°)	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	5 500
On-mode power (P_{on}), expressed in W	200,0	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	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page
	Width		
	Depth		

parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power ^(a)	-	If yes, equivalent power (W)	-	
		Chromaticity coordinates (x and y)	0,341 0,358	
Parameters for directional light sources:				
Peak luminous intensity (cd)	6 214	Beam angle in degrees, or the range of beam angles that can be set	94	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	0	Survival factor	0,90	
the lumen maintenance factor	1,00			
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ_1)	0,90	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 replacement claim (W)	-	
Flicker metric (Pst LM)	0,0	Stroboscopic effect metric (SVM)	0,0	

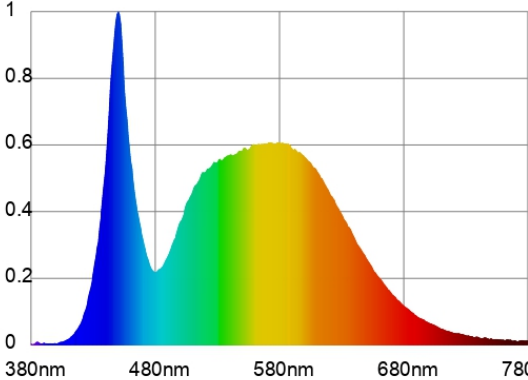
(a) '-': not applicable;

(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
 0.321x=0.3460.371 3SDCMData5SDCMData7SDCMDataGB5000K x=0.3378y=0.3537 y=0.3590.334	
Photometric Results: Luminous Flux: 20245.3671 lm Luminous Efficacy: 102.0472 lm/W Radiant Flux: 62.7317 W Scotopic luminous Flux: 39930.8806 lm Blue light hazard efficacy: KBV=0.6948 W/Klm Colorimetric Results: Chromaticity Coordinates: x=0.3378 y=0.3537 u=0.2057 v=0.3231 u'=0.2057 v'=0.4846(CIE 2°) CCT: Tcp=5290.40K(duv=4.065e-03) Dominant Wavelength: λd=562.7nm(E) Excitation Purity: Pur=7.48% Peak Wavelength: λp=450.0nm Width50: Δλ=22.9nm Centroid Wavelength: λc=548.1nm Center Wavelength: λ0.5m=450.3nm Red Ratio: Kr=14.69% Color difference: 4.89SDCM(GB5000K) ANSI nominal CCT: 5000K(7-Step Quadrangles) Color Rendering Index: Ra=80.6 Gamut Area Index: GAI=82.43(E) R1 =78.4 R2 =84.8 R3 =89.8 R4 =81.2 R5 =79.5 R6 =79.5 R7 =86.0 R8 =65.4 R9 =-2.5 R10=64.2 R11=80.4 R12=59.4 R13=79.7 R14=94.4 R15=72.0 Color Quality Scale: CQS=78.6 Q1 =81.0 Q2 =95.4 Q3 =74.1 Q4 =71.7 Q5 =78.0 Q6 =80.2 Q7 =82.6 Q8 =87.3 Q9 =94.0 Q10=82.3 Q11=78.8 Q12=78.2 Q13=78.5 Q14=66.8 Q15=72.1 Fidelity Index(IES): Rf=80.03 Gamut Index: Rg=95.84 Electric Results: Electric Results: U =229.3587V I =0.8768A P =198.3921W PF=0.9866 Spectroradiometer Informations: Wavelength range:380nm-780nm Integrating Time T=20ms Ip=62247(96%) [EU2000]	

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

Test Time: 2024-07-11 01:16:09
Temperature: 25℃
Humidity: 65%

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



EPREL registration number: 728724

<https://eprel.ec.europa.eu/qr/728724>

Supplier: ELMARK INDUSTRIES SC (Importer)

Website: www.elmarkholding.eu

Customer care service:

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