

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: 98DUBLIN150SMD

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	150	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°)	14 114 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	5 200
On-mode power (P_{on}), expressed in W	146,0	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 0,362	
Parameters for directional light sources:				
Peak luminous intensity (cd)	7 469	Beam angle in degrees, or the range of beam angles that can be set	85	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	-10	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;

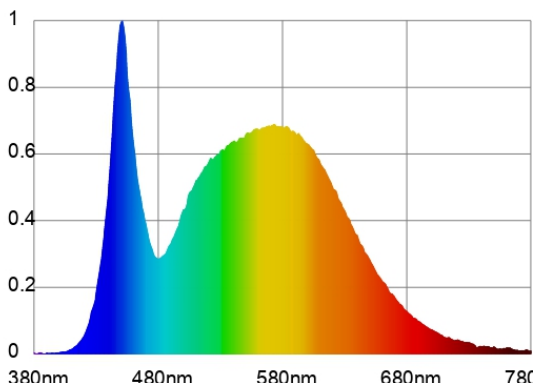
(b) '-': not applicable;

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



0.321x=0.3460.371

3SDCMDData5SDCMDData7SDCMDDataGB5000Kx=0.3410y=0.3627y=0.3590.334

Photometric Results:

Luminous Flux: 14634.2468 lm Luminous Efficacy: 100.1576 lm/W Radiant Flux: 44.5494 W

Scotopic luminous Flux: 28828.7134 lm Blue light hazard efficacy: KBV=0.6439 W/Klm

Colorimetric Results:

Chromaticity Coordinates: x=0.3410 y=0.3627 u=0.2045 v=0.3262 u'=0.2045 v'=0.4894(CIE 2°)

CCT: Tcp=5185.09K(duv=7.131e-03) Dominant Wavelength: λd=564.0nm(E)

Excitation Purity: Pur=11.17% Peak Wavelength: λp=450.6nm Width50: Δλ=24.3nm

Centroid Wavelength: λc=549.4nm Center Wavelength: λ0.5m=451.9nm Red Ratio: Kr=14.51%

Color difference: 5.21SDCM(GB5000K) ANSI nominal CCT: 5000K(4-Step Quadrangles)

Color Rendering Index: Ra=80.0 Gamut Area Index: GAI=77.89(E)

R1 =76.5	R2 =85.2	R3 =92.3	R4 =79.2	R5 =77.8	R6 =80.3	R7 =86.0	R8 =62.2
R9 =-10.2	R10=65.7	R11=77.7	R12=59.0	R13=78.5	R14=95.9	R15=69.1	

Color Quality Scale: CQS=77.7

Q1 =78.3	Q2 =95.5	Q3 =76.1	Q4 =72.1	Q5 =76.7	Q6 =78.1	Q7 =80.3	Q8 =85.4
Q9 =94.0	Q10=83.8	Q11=80.0	Q12=78.6	Q13=77.9	Q14=64.2	Q15=69.5	

Fidelity Index(IES): Rf=80.66 Gamut Index: Rg=93.76

Electric Results:

Electric Results: U =228.2952V I =0.6486A P =146.1121W PF=0.9869

Spectroradiometer Informations:

Wavelength range:380nm-780nm Integrating Time T=20ms Ip=51474(79%) [EU2000]

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

Test Time: 2024-07-11 01:13:51
Temperature: 25℃
Humidity: 65%

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



EPREL registration number: 728707

<https://eprel.ec.europa.eu/qr/728707>

Supplier: ELMARK INDUSTRIES SC (Importer)

Website: www.elmarkholding.eu

Customer care service:

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