

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: 98HELIOS10

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

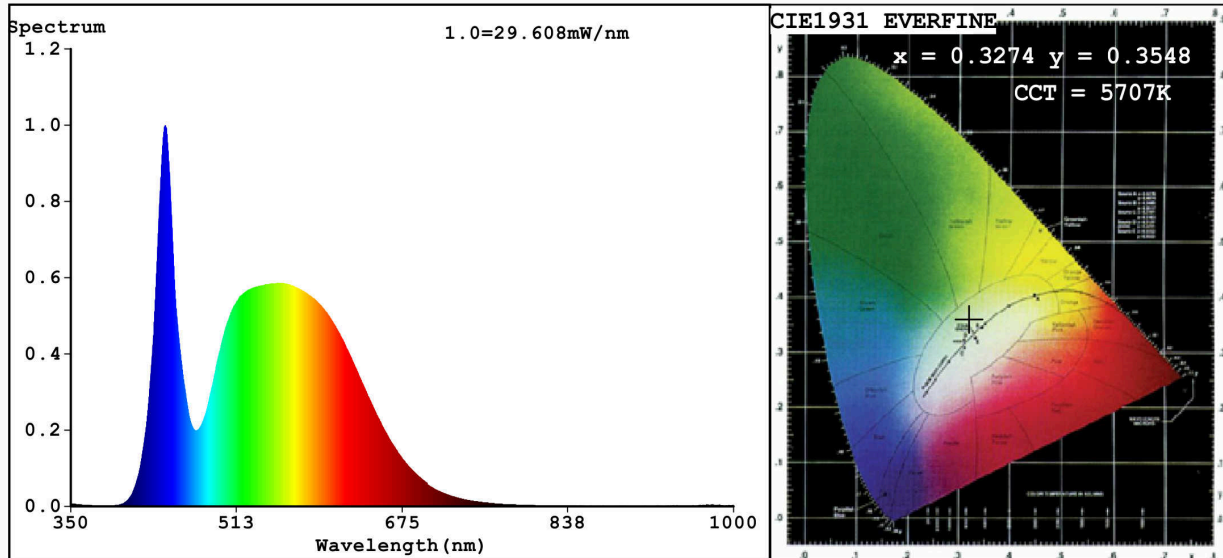
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	10	Energy efficiency class	F
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	890 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	10,3	Standby power (P_{sb}), expressed in W and rounded to the second decimal	0,20
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	79
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)	0,327 0,354	
Parameters for directional light sources:				
Peak luminous intensity (cd)	343	Beam angle in degrees, or the range of beam angles that can be set	114	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	0	Survival factor	0,50	
the lumen maintenance factor	0,93			
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ_1)	0,90	Colour consistency in McAdam ellipses	1	
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)	0,6	Stroboscopic effect metric (SVM)	0,2	

(a) '-': not applicable;

(b) '-': not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3274$ $y=0.3548$ $u'=0.1984$ $v'=0.4836$
 CCT=5707K (Duv=0.0091) Dominant WL: $\lambda_d = 538.0\text{nm}$ WL: $\lambda_c = \text{--nm}$ Purity=5.0%
 Ratio: R=13.6% G=81.9% B=4.5%; Peak WL: $\lambda_p = 442.8\text{nm}$ FWHM=22.0nm
 Render Index: $R_a = 79.5$

R1 =77	R2 =82	R3 =88	R4 =81	R5 =79	R6 =78	R7 =85
R8 =66	R9 =0	R10=59	R11=82	R12=66	R13=77	R14=94
						R15=70

Photo Parameters:

Flux = 1126 lm Eff. : 105.17 lm/W $P_e = 3.529\text{ W}$

Electrical parameters:

V = 220.02 V I = 0.05034 A P = 10.70 W PF = 0.9663
 WHITE:OUT

Status: Integral T = 26 ms $I_p = 32968$ (50%)

Model: LED FLOODLIGHT
 Tester: Atanas DAKOV
 Temperature: 25.3Deg
 Manufacturer: ELMARK

Number: 98HELIOS10
 Date: 2020-12-14 14:50:57
 Humidity: 65.0%
 Remarks: 7084