

# 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:** 98HELIOS20

## 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

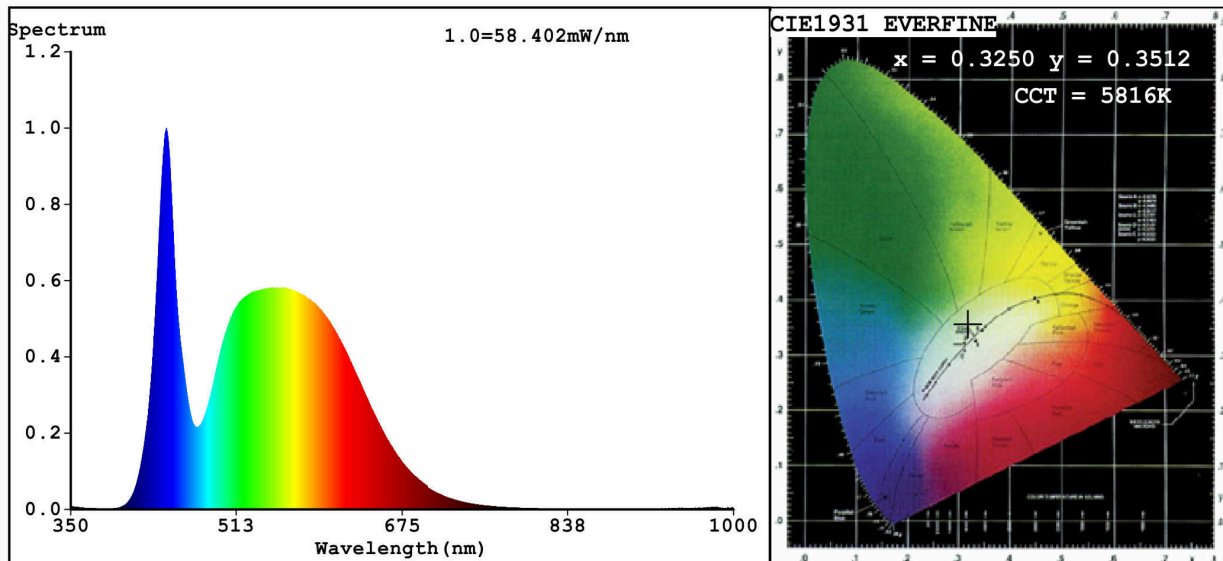
Parameter	Value	Parameter	Value
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	20	Energy efficiency class	F
Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	1 600 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	4 000
On-mode power ( $P_{on}$ ), expressed in W	20,0	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	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 <sup>(a)</sup>	-	If yes, equivalent power (W)	-	
		Chromaticity coordinates (x and y)	0,325 0,351	
<b>Parameters for directional light sources:</b>				
Peak luminous intensity (cd)	688	Beam angle in degrees, or the range of beam angles that can be set	95	
<b>Parameters for LED and OLED light sources:</b>				
R9 colour rendering index value	0	Survival factor	0,70	
the lumen maintenance factor	0,93			
<b>Parameters for LED and OLED mains light sources:</b>				
displacement factor (cos $\phi_1$ )	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:  $x=0.3250$   $y=0.3512$   $u'=0.1980$   $v'=0.4815$   
 CCT=5816K (Duv=0.0084) Dominant WL:  $L_d = 523.4nm$  WL:  $L_c = --nm$  Purity=3.6%  
 Ratio: R=13.6% G=81.8% B=4.6% ; Peak WL:  $L_p = 443.8nm$  FWHM=23.0nm  
 Render Index:  $R_a = 80.0$

R1 =77	R2 =82	R3 =88	R4 =82	R5 =80	R6 =79	R7 =85
R8 =67	R9 =0	R10=60	R11=82	R12=66	R13=78	R14=94 R15=70

### Photo Parameters:

Flux = 2207 lm Eff. : 108.88 lm/W  $F_e = 6.975 W$

### Electrical parameters:

V = 219.91 V I = 0.09551 A P = 20.27 W PF = 0.9652  
 WHITE:OUT

Status: Integral T = 20 ms  $I_p = 49920 (76\%)$

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

Number: 98HELIOS20  
 Date: 2020-08-28 11:16:48  
 Humidity: 65.0%  
 Remarks: 6709