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/WH

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

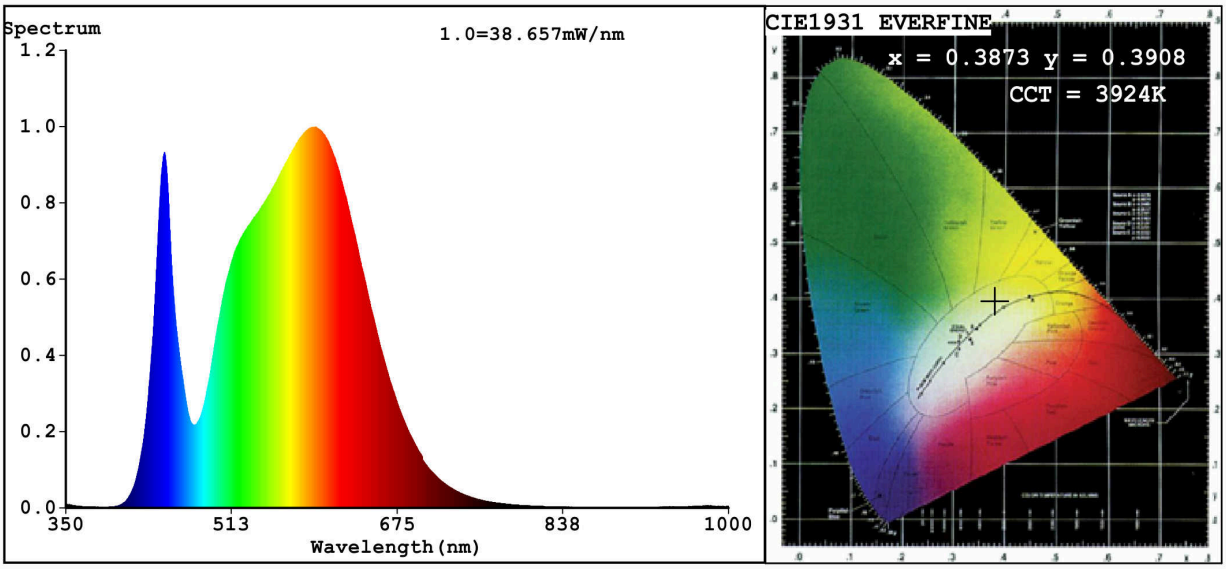
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	20	Energy efficiency class	F
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	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	81
Outer dimensions without separate control gear, lighting control — Height	128	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page
Width	88		
Depth	25		

parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power[(a)]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,387 0,390
Parameters for directional light sources:				
Peak luminous intensity (cd)		730	Beam angle in degrees, or the range of beam angles that can be set	96
Parameters for LED and OLED light sources:				
R9 colour rendering index value		2	Survival factor	0,70
the lumen maintenance factor		0,93		
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ1)		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=0.3873 y=0.3908/u'=0.2240 v'=0.5086

CCT=3924K(Duv=0.0045) Dominant WL:Ld =577.3nm WL:Lc = --nm Purity=33.5%

Ratio:R=18.1% G=78.9% B=3.1%¡¡Peak WL:Lp=595.5nm FWHM=151.4nm

Render Index:Ra=81.1

R1 =79	R2 =85	R3 =93	R4 =82	R5 =79	R6 =81	R7 =86	
R8 =64	R9 =2	R10=67	R11=81	R12=62	R13=80	R14=96	R15=72

Photo Parameters:

Flux = 2261 lm Eff. : 109.01 lm/W Fe = 6.760 W

Electrical parameters:

V = 220.00 V I = 0.09764 A P = 20.74 W PF = 0.9655

WHITE:ANSI_4000K

~~Status: Integral T = 26 ms Ip = 50492 (77%)~~

Model:LED FLOODLIGHT	Number:98HELIOS20/WH
Tester:Atanas DAKOV	Date:2020-12-14 14:37:08
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:7084