

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: 98STREAM18

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

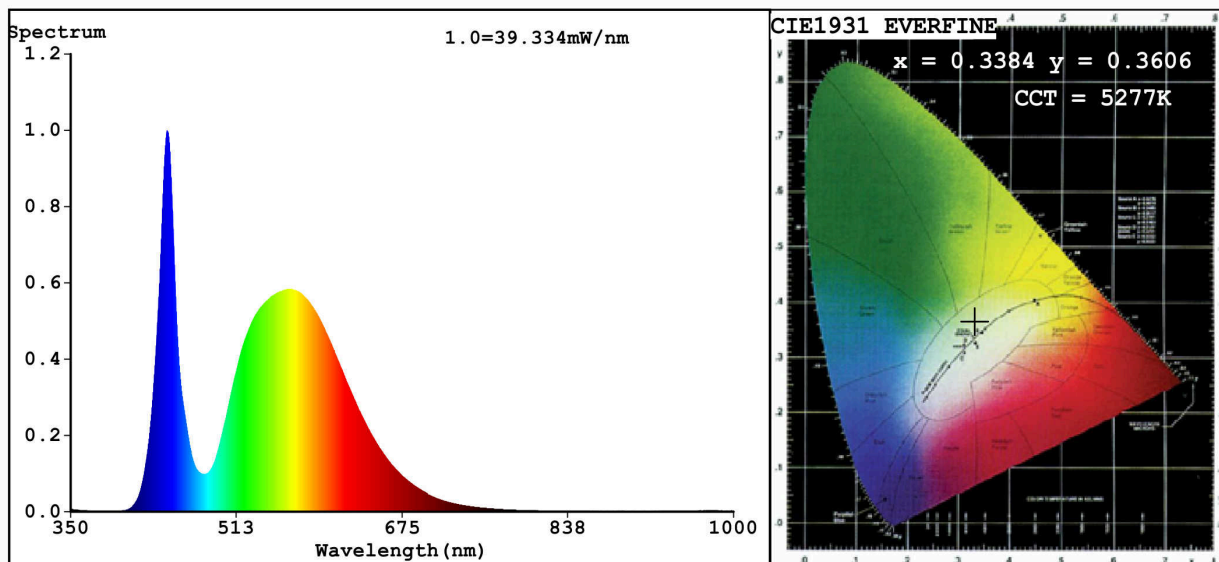
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	18	Energy efficiency class	F
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	1 340 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	5 500
On-mode power (P_{on}), expressed in W	17,7	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	68
Outer dimensions without	Height	Spectral power distribution in the	See image in last page
	Width		
	Depth		

separate control gear, lighting control parts and non-lighting control parts, if any (millimetre)			range 250 nm to 800 nm, at full-load	
Claim of equivalent power ^(a)	-	If yes, equivalent power (W)	-	
		Chromaticity coordinates (x and y)	0,338 0,360	
Parameters for directional light sources:				
Peak luminous intensity (cd)	444	Beam angle in degrees, or the range of beam angles that can be set	60	
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)	0,50	Colour consistency in McAdam ellipses	0	
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;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3384$ $y=0.3606$ $u'=0.2035$ $v'=0.4880$

CCT=5277K(Duv=0.0072) Dominant WL:Ld =561.7nm Purity=9.8%

Ratio:R=12.8% G=84.2% B=2.9%; Peak WL:Lp=444.5nm FWHM=18.6nm

Render Index:Ra=68.0

R1 =64	R2 =72	R3 =79	R4 =69	R5 =66	R6 =63	R7 =78
R8 =52	R9 =0	R10=35	R11=67	R12=40	R13=65	R14=88
						R15=57

Photo Parameters:

Flux = 1345 lm Eff. : 75.81 lm/W Fe = 3.927 W

Electrical parameters:

V = 229.93 V I = 0.1429 A P = 17.74 W PF = 0.5399

WHITE:ANSI_5000K

Status: Integral T = 28 ms Ip = 47145 (72%)

Model:STREAM STELLAR/18W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:98STREAM18
Date:2017-10-04 11:07
Humidity:65.0%
Remarks:017V032A_4027