

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: 98ROUTE50SMD

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

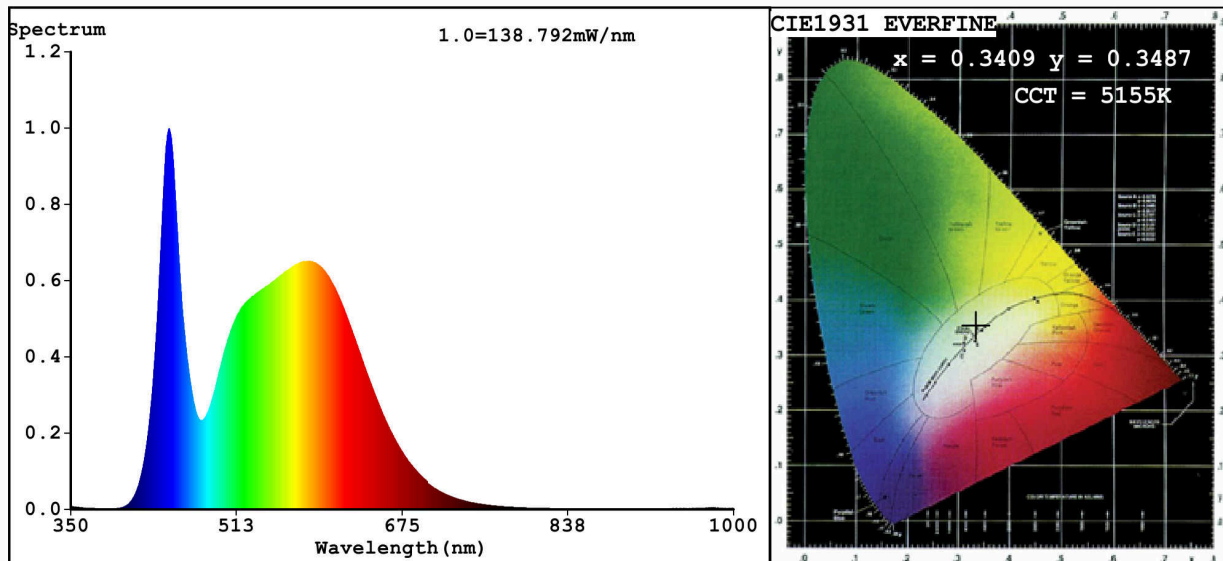
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	50	Energy efficiency class	E
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	5 000 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	49,0	Standby power (P_{sb}), expressed in W and rounded to the second decimal	0,49
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	82
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)	Yes	If yes, equivalent power (W)	47	
		Chromaticity coordinates (x and y)	0,340 0,348	
Parameters for directional light sources:				
Peak luminous intensity (cd)	2 831	Beam angle in degrees, or the range of beam angles that can be set	113	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	5	Survival factor	0,40	
the lumen maintenance factor	1,00			
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ_1)	0,90	Colour consistency in McAdam ellipses	5	
Claims that an LED light source replaces a fluorescent light source without integrated ballast of a particular wattage.	Yes ^(b)	If yes then replacement claim (W)	50	
Flicker metric (Pst LM)	1,0	Stroboscopic effect metric (SVM)	1,0	

(a) : not applicable;

(b) : not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3409$ $y=0.3487$ $u'=0.2097$ $v'=0.4826$
CCT=5155K (Duv=0.0002) Dominant WL:Ld =569.9nm WL:Lc = --nm Purity=6.9%
Ratio:R=15.4% G=80.2% B=4.4%; Peak WL:Lp=446.5nm FWHM=25.5nm
Render Index:Ra=82.1

R1 =81	R2 =86	R3 =90	R4 =84	R5 =83	R6 =82	R7 =85
R8 =67	R9 =5	R10=67	R11=84	R12=67	R13=82	R14=94 R15=75

Photo Parameters:

Flux = 5687 lm Eff. : 111.15 lm/W Fe = 17.99 W

Electrical parameters:

V = 219.92 V I = 0.2384 A P = 51.16 W PF = 0.9757
WHITE:ANSI_5000K

Status: Integral T = 8 ms Ip = 46465 (71%)

Model:LED OUTDOOR LIGHTING
Tester:Atanas DAKOV
Temperature:25.3Deg
Manufacturer:ELMARK

Number:98ROUTE50SMD
Date:2021-03-18 13:23:19
Humidity:65.0%
Remarks:7533