Product Information Sheet

COMMISSION DELEGATED REGULATION (EU) 2019/2015 with regard to energy labelling of light sources

Supplier's name or trade mark: ELMARK

Supplier's address: ELMARK INDUSTRIES SC, bul.Dobrudja 2, 9300 Dobrich Dobrich, BG

Model identifier: 98TIVOLI200SMD

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

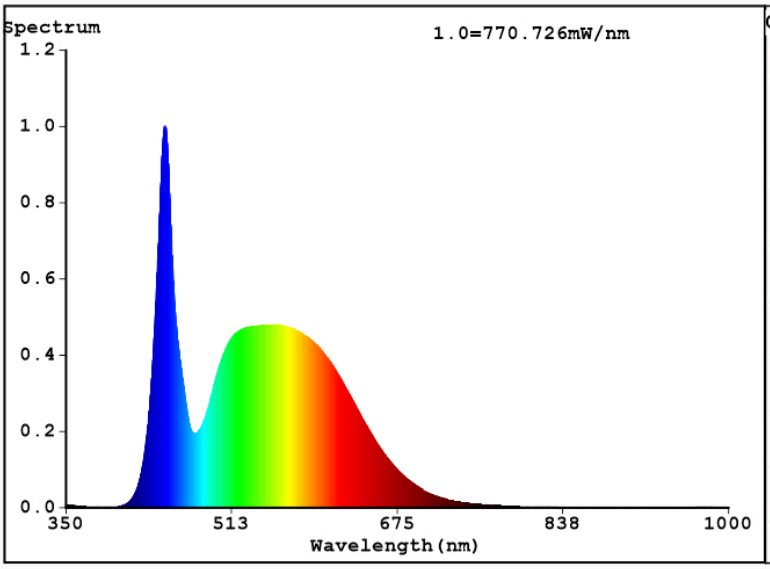
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	200	Energy efficiency class	E
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	22 000 in Sphere (360°)	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	6 200
On-mode power (P_{on}), expressed in W	203,2	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	81
Outer dimensions without separate control gear, lighting control — Height	625	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page
Width	235		
Depth	75		

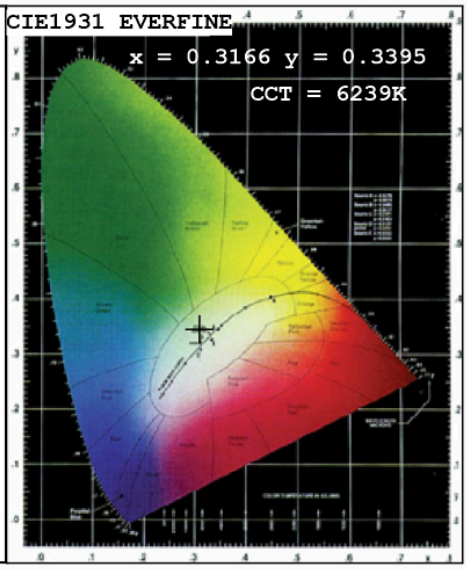
parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power[(a)]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,316 0,339
Parameters for directional light sources:				
Peak luminous intensity (cd)		9 811	Beam angle in degrees, or the range of beam angles that can be set	94
Parameters for LED and OLED light sources:				
R9 colour rendering index value		2	Survival factor	0,50
the lumen maintenance factor		0,95		
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ1)		0,90	Colour consistency in McAdam ellipses	4
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)		0,4	Stroboscopic effect metric (SVM)	0,2

[(a)] '-' : not applicable;

[(b)] '-' : not applicable;

Spectrum Test Report





Color Parameters:

Chromaticity Coordinate:x=0.3166 y=0.3395/u'=0.1966 v'=0.4744

CCT=6239K(Duv=0.0066) Dominant WL:Ld =496.5nm WL:Lc = --nm Purity=5.3%

Ratio:R=13.3% G=81.7% B=5.0%¡¡Peak WL:Lp=446.6nm FWHM=20.0nm

Render Index:Ra=81.5 AvgR=73.9 TM30:Rf=83 Rg=95 Lav=540.3nm

R1 =79	R2 =84	R3 =89	R4 =83	R5 =81	R6 =80	R7 =87	
R8 =69	R9 =2	R10=63	R11=83	R12=61	R13=80	R14=94	R15=73

Photo Parameters:

Flux = 24057 lm Eff. : 118.41 lm/W Fe = 76.58 W

Electrical parameters:

V = 229.87 V I = 0.9248 A P = 203.2 W PF = 0.9557

WHITE:ANSI_6500K

Status: Integral T = 1 ms Ip = 31686 (48%)

Model:LED STREET LITHG	Number:98TIVOLI200SMD
Tester:Atanas DAKOV	Date:2022-04-12 14:34:38
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:MOSTRA