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: 9EL1184540

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:	No		
Anti-glare shield:	No	Dimmable:	No

Product parameters

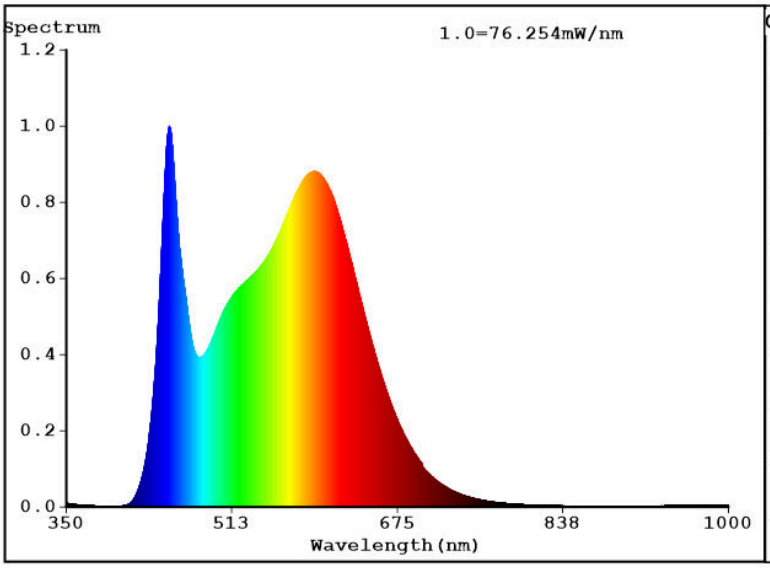
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	45	Energy efficiency class	F
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	3 800 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	44,2	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	85
Outer dimensions without separate control gear, lighting control — Height	1 510	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page
Outer dimensions without separate control gear, lighting control — Width	53		
Outer dimensions without separate control gear, lighting control — Depth	28		

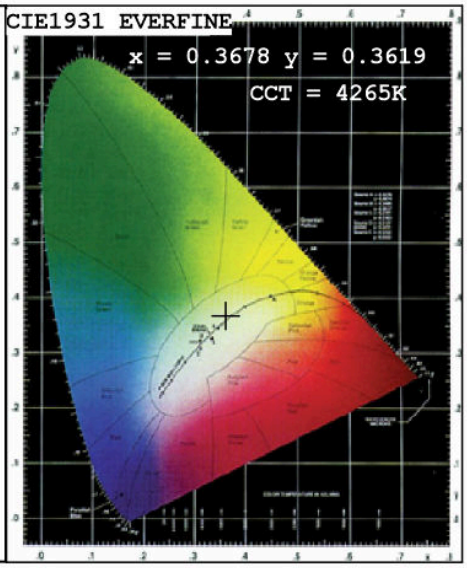
parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power[(a)]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,367 0,361
Parameters for directional light sources:				
Peak luminous intensity (cd)		1 281	Beam angle in degrees, or the range of beam angles that can be set	120
Parameters for LED and OLED light sources:				
R9 colour rendering index value		17	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)		0,0	Stroboscopic effect metric (SVM)	0,0

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

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

Spectrum Test Report





Color Parameters:

Chromaticity Coordinate:x=0.3678 y=0.3619/u'=0.2226 v'=0.4930

CCT=4265K(Duv=-0.0032) Dominant WL:Ld =580.4nm WL:Lc = --nm Purity=19.0%

Ratio:R=18.1% G=77.2% B=4.7%¡¡Peak WL:Lp=451.3nm FWHM=29.4nm

Render Index:Ra=85.8

R1 =85	R2 =94	R3 =95	R4 =84	R5 =86	R6 =90	R7 =85	
R8 =67	R9 =17	R10=86	R11=84	R12=71	R13=88	R14=98	R15=80

Photo Parameters:

Flux = 3834 lm Eff. : 86.72 lm/W Fe = 12.11 W

Electrical parameters:

V = 229.87 V I = 0.1957 A P = 44.22 W PF = 0.9828

WHITE:ANSI_4500K

Status: Integral T = 12 ms Ip = 40666 (62%)

Model:ROAD FIXTURES	Number:9EL1184540
Tester:Atanas DAKOV	Date:2023-01-09 09:50:36
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:9075