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: 95TRACYLED20

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
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	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)	2 000 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	4 000
On-mode power (P_{on}), expressed in W	23,1	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	83
Outer dimensions without separate control gear, lighting control — Height	290	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page
Width	290		
Depth	65		

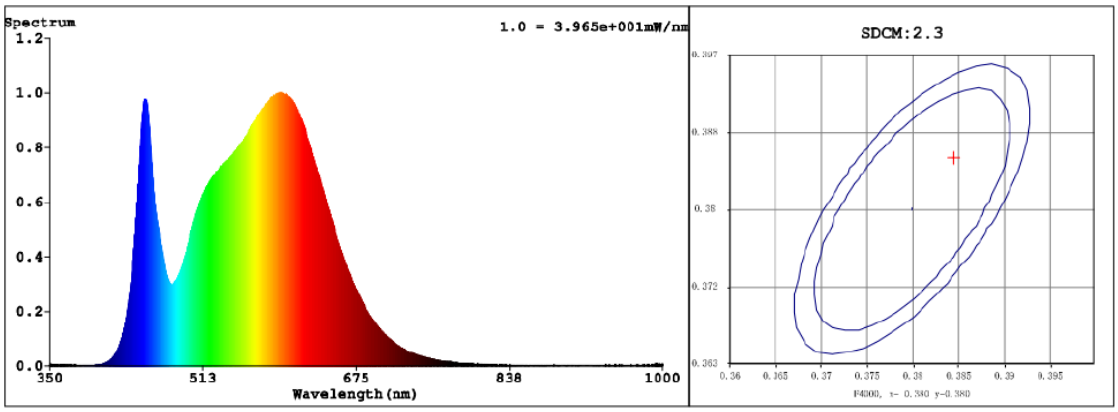
parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power[(a)]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,383 0,388
Parameters for LED and OLED light sources:				
R9 colour rendering index value		8	Survival factor	0,50
the lumen maintenance factor		0,90		
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ1)		0,40	Colour consistency in McAdam ellipses	5
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;

Photometric test record of one lamp at initial measurement

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: x = 0.3846 y = 0.3857 / u' = 0.2243 v' = 0.5061 (duv=2.93e-03)

CCT= 3955K Prcp WL: Ld=577.8nm Purity=31.2%

Peak WL: Lp=596nm FWHM: =150.9nm Ratio:R=18.3% G=78.1% B=3.6%

Render Index: Ra = 83.3

R1 =81	R2 =89	R3 =96	R4 =82	R5 =81	R6 =85	R7 =87	
R8 =65	R9 =8	R10=74	R11=81	R12=63	R13=83	R14=98	R15=74

WHITE:ANSI_4000K

Photometric & Radiometric Parameters

Flux = 2293.9 lm Eff. : 114.29 lm/W Fe = 6.9345 W

Electrical parameters

V = 230.0 V I = 0.09408 A P = 20.07 W PF = 0.9275 F=49.99 Hz 频率=49.99 Hz