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: 92DL62040

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

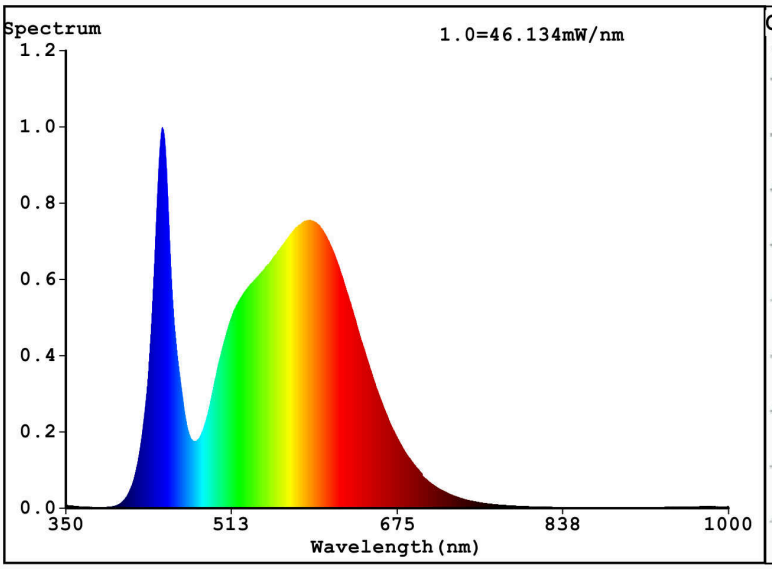
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	20	Energy efficiency class	F
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	2 000 in 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	4 300
On-mode power (P_{on}), expressed in W	21,2	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	80
Outer dimensions without — Height	140	Spectral power distribution in the	See image in last page
Outer dimensions without — Width	140		
Outer dimensions without — Depth	97		

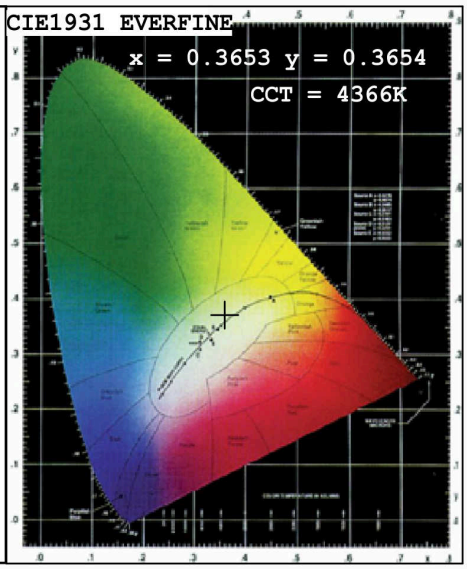
separate control gear, lighting control parts and non-lighting control parts, if any (millimetre)			range 250 nm to 800 nm, at full-load	
Claim of equivalent power[a]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,365 0,365
Parameters for directional light sources:				
Peak luminous intensity (cd)		444	Beam angle in degrees, or the range of beam angles that can be set	90
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 ϕ1)		0,90	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=0.3653 y=0.3654/u'=0.2196 v'=0.4942

CCT=4366K(Duv=-0.0007) Dominant WL:Ld =578.0nm Purity=19.2%

Ratio:R=16.9% G=79.7% B=3.4%¡¡Peak WL:Lp=444.5nm FWHM=21.6nm

Render Index:Ra=80.1

R1 =79	R2 =84	R3 =89	R4 =81	R5 =79	R6 =79	R7 =84	
R8 =64	R9 =0	R10=64	R11=81	R12=62	R13=79	R14=94	R15=73

Photo Parameters:

Flux = 2067 lm Eff. : 97.32 lm/W Fe = 6.355 W

Electrical parameters:

V = 220.06 V I = 0.1044 A P = 21.23 W PF = 0.9242

WHITE:ANSI_4500K

Status: Integral T = 24 ms Ip = 47382 (72%)

Model:RDL60COB/20W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:92DL62040
Date:2018-05-18 09:48
Humidity:65.0%
Remarks:O17V063B_4395