

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: 96GRFLED304/6BL

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

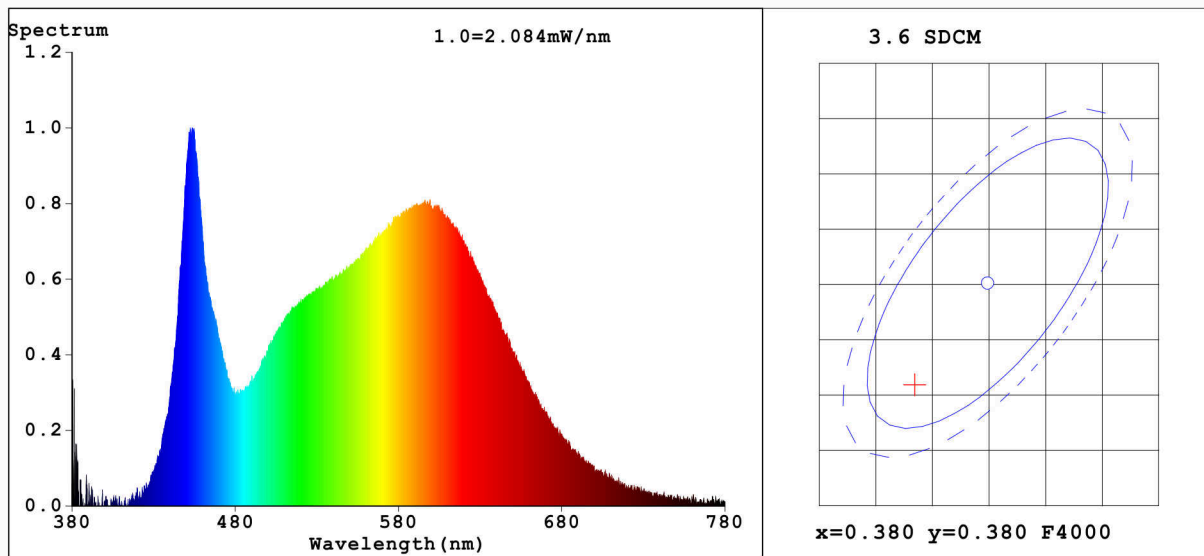
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	6	Energy efficiency class	G
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	109 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	4 000
On-mode power (P_{on}), expressed in W	5,9	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	Height	Spectral power distribution in the	See image in last page
	Width		
	Depth		

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)	0,373 0,370	
Parameters for directional light sources:				
Peak luminous intensity (cd)	453	Beam angle in degrees, or the range of beam angles that can be set	30	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	18	Survival factor	0,90	
the lumen maintenance factor	0,94			
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ_1)	0,50	Colour consistency in McAdam ellipses	6	
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)	1,0	Stroboscopic effect metric (SVM)	0,4	

(a) - : not applicable;

(b) - : not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3735$ $y=0.3707$ $u'=0.2229$ $v'=0.4979$

CCT=4152K(Duv=-0.0008) Dominant WL:Ld =578.9nm Purity=23.3%

Ratio:R=18.3% G=77.5% B=4.2% Peak WL:Lp=453.7nm FWHM=23.0nm

Render Index:Ra=85.4

R1 =85 R2 =93 R3 =96 R4 =83 R5 =84 R6 =89 R7 =86

R8 =67 R9 =18 R10=83 R11=83 R12=64 R13=87 R14=99 R15=79

Photo Parameters:

Flux = 109.73 lm Eff. : 18.41 lm/W Fe = 338.8 mW

Electrical parameters:

V = 230.24 V I = 0.05109 A P = 5.959 W PF = 0.5064

LEVEL:OUT WHITE:OUT

Status: Integral T = 4317 ms Ip = 21299 (33%)

Model:96GRFLED304/6BL
Tester:
Temperature:25.3Deg
Manufacturer:FLD

Number:1
Date:2021-07-01
Humidity:65.0%
Remarks: