

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: 99BM1504064/GR

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

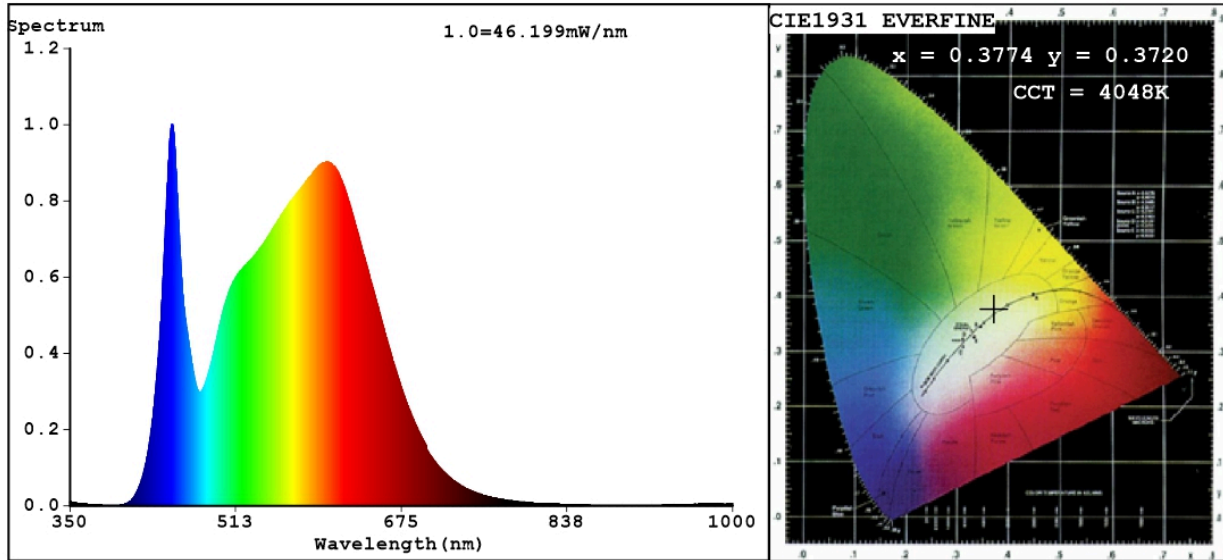
Parameter	Value	Parameter	Value	
General product parameters:				
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	64	Energy efficiency class	G	
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	2 500 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	67,0	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	87	
Outer dimensions without	Height	Spectral power distribution in the	See image in last page	
	Width			1 500
	Depth			98
			77	

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)	0,377 0,372
Parameters for directional light sources:			
Peak luminous intensity (cd)	450	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	32	Survival factor	0,50
the lumen maintenance factor	0,90		
Parameters for LED and OLED mains light sources:			
displacement factor (cos ϕ_1)	0,80	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;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3774$ $y=0.3720$ / $u'=0.2250$ $v'=0.4990$
 CCT=4048K (Duv=-0.0013) Dominant WL:Ld =579.7nm WL:Lc = --nm Purity=24.9%
 Ratio:R=19.0% G=77.0% B=4.0% ; Peak WL:Lp=450.6nm FWHM=23.6nm
 Render Index:Ra=87.8 AvgR=83.1 TM30:Rf=88 Rg=98 Lav=570.7nm

R1 =87 R2 =93 R3 =96 R4 =88 R5 =87 R6 =89 R7 =89
 R8 =73 R9 =32 R10=82 R11=88 R12=72 R13=89 R14=98 R15=83

Photo Parameters:

Flux = 2454 lm Eff. : 36.34 lm/W Fe = 7.858 W

Electrical parameters:

V = 225.14 V I = 0.3555 A P = 67.53 W PF = 0.8436

WHITE:ANSI_4000K

Status: Integral T = 25 ms Ip = 50841 (78%)

Model:LED INDOOR LIGHTING
 Tester:Atanas DAKOV
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:99BM1504064 BL
 Date:2022-01-26 12:50:58
 Humidity:65.0%
 Remarks: