

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: 99BM1204048/WHE

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

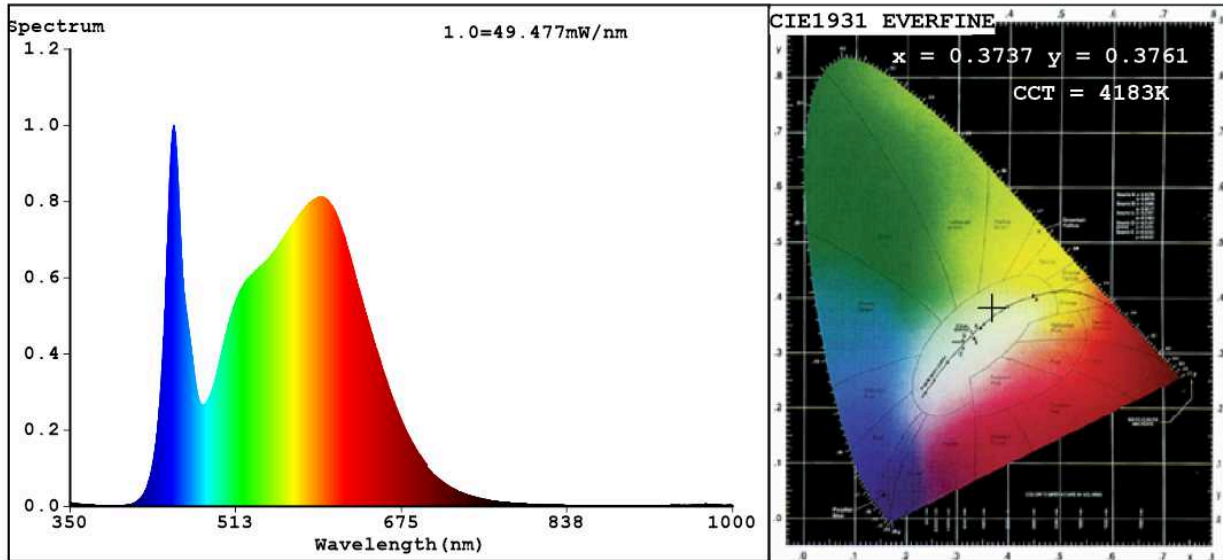
Parameter	Value	Parameter	Value	
General product parameters:				
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	48	Energy efficiency class	G	
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (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	53,4	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	84	
Outer dimensions without	Height	Spectral power distribution in the	See image in last page	
	Width			1 200
	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)	0,373 0,376
Parameters for directional light sources:				
Peak luminous intensity (cd)	452		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	12		Survival factor	0,50
the lumen maintenance factor	0,93			
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ_1)	0,79		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: $x=0.3737$ $y=0.3761$ / $u'=0.2209$ $v'=0.5003$
 CCT=4183K (Duv=0.0017) Dominant WL:Ld =577.3nm WL:Lc = --nm Purity=25.0%
 Ratio:R=17.8% G=78.3% B=3.9% ; Peak WL:Lp=452.0nm FWHM=21.7nm
 Render Index:Ra=84.1 AvgR=77.5 TM30:Rf=85 Rg=95 Lav=567.1nm

R1 =83	R2 =90	R3 =96	R4 =83	R5 =82	R6 =86	R7 =87	
R8 =66	R9 =12	R10=76	R11=82	R12=61	R13=85	R14=98	R15=76

Photo Parameters:

Flux = 2373 lm Eff. : 44.37 lm/W Fe = 7.264 W

Electrical parameters:

V = 225.10 V I = 0.2982 A P = 53.47 W PF = 0.7967
 WHITE:ANSI_4000K

Status: Integral T = 18 ms Ip = 37361 (57%)

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

Number: 99BM1204048 BL
 Date:2021-12-23 13:13:19
 Humidity:65.0%
 Remarks: