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: 99BM604024/GRE

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

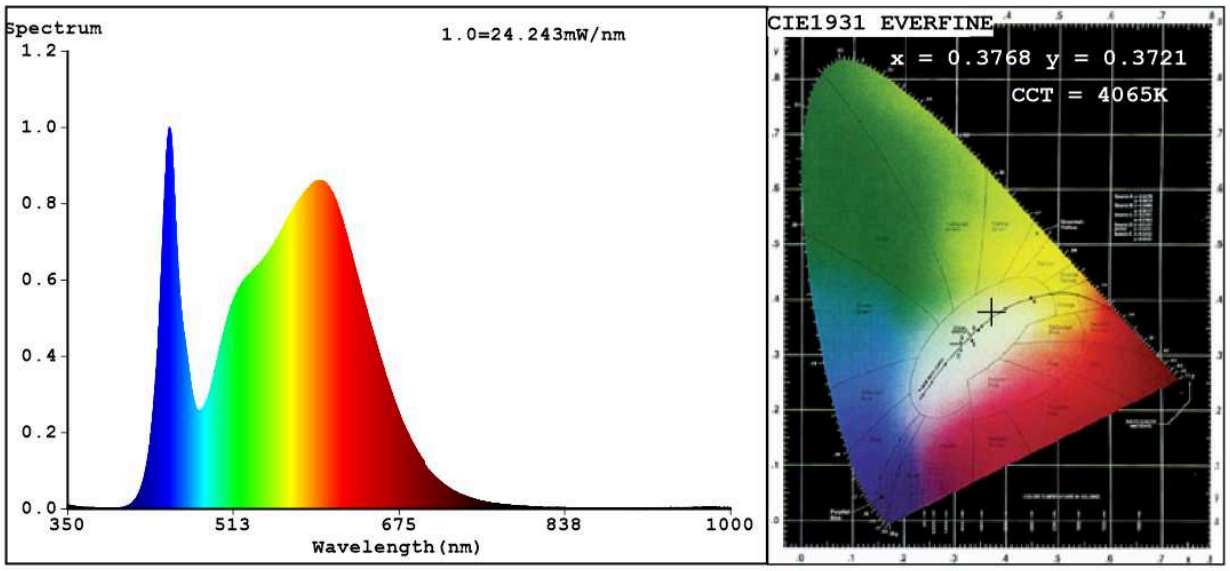
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	24	Energy efficiency class	F
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	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	4 000
On-mode power (P_{on}), expressed in W	27,0	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	84
Outer dimensions without — Height	600	Spectral power distribution in the	See image in last page
Outer dimensions without — Width	77		
Outer dimensions without — Depth	27		

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)	0,376 0,372
Parameters for directional light sources:				
Peak luminous intensity (cd)		449	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		16	Survival factor	0,50
the lumen maintenance factor		0,95		
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ1)		0,50	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=0.3768 y=0.3721/u'=0.2246 v'=0.4990

CCT=4065K(Duv=-0.0011) Dominant WL:Ld =579.5nm WL:Lc = --nm Purity=24.8%

Ratio:R=18.4% G=77.8% B=3.7%¡¡Peak WL:Lp=449.6nm FWHM=22.3nm

Render Index:Ra=84.6 AvgR=78.5 TM30:Rf=85 Rg=97 Lav=569.0nm

R1 =83	R2 =90	R3 =95	R4 =84	R5 =84	R6 =86	R7 =87	
R8 =67	R9 =16	R10=76	R11=84	R12=66	R13=85	R14=97	R15=78

Photo Parameters:

Flux = 1209 lm Eff. : 44.21 lm/W Fe = 3.752 W

Electrical parameters:

V = 225.16 V I = 0.2195 A P = 27.34 W PF = 0.5532

WHITE:ANSI_4000K

Status: Integral T = 37 ms Ip = 34190 (52%)

Model:LED INDOOR LIGHTING	Number: 99BM604024 BL
Tester:Atanas DAKOV	Date:2021-12-23 10:52:51
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks: