

# Product Information Sheet

COMMISSION DELEGATED REGULATION (EU) 2019/2015 with regard to energy labelling of light sources

**Supplier's name or trade mark:** MS-belysning

**Supplier's address:** AS Metall-Service/MS-belysning, Gardermovegen 95 B, 2030 NANNESTAD, NO

**Model identifier:** 9400802310

## Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
Light source cap-type (or other electric interface)	G9		
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:	Yes

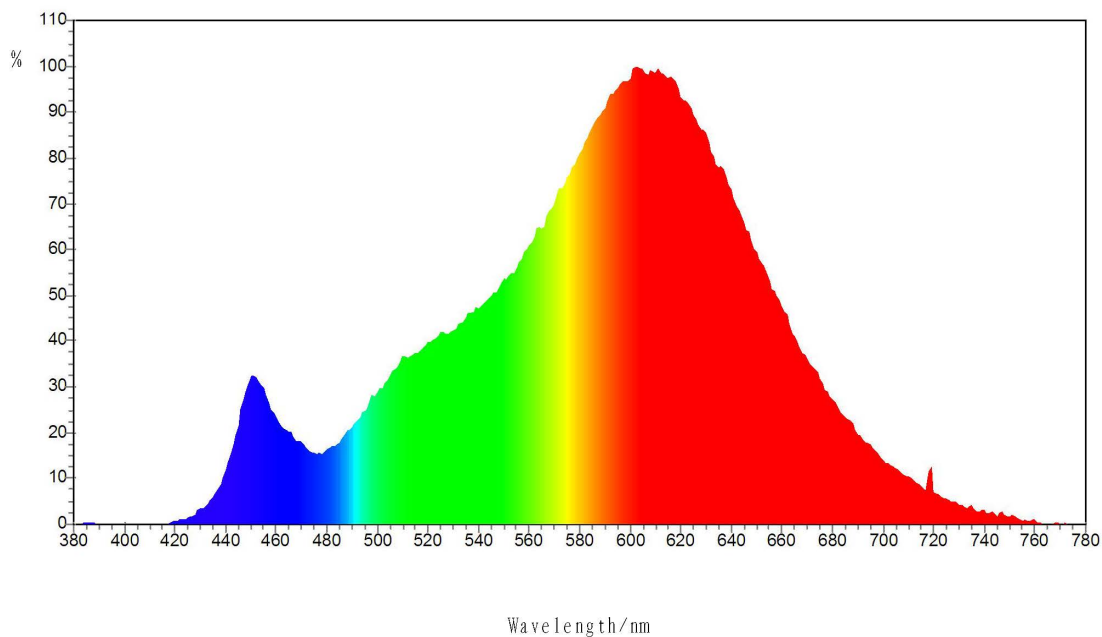
## Product parameters

Parameter	Value	Parameter	Value
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	4	Energy efficiency class	F
Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	420 in Sphere (360°)	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	2 700
On-mode power ( $P_{on}$ ), expressed in W	4,0	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	80
Outer dimensions without separate control gear, lighting control	Height	44	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	16	
	Depth	16	
			See image in last page

parts and non-lighting control parts, if any (millimetre)			
Claim of equivalent power <sup>(a)</sup>	Yes	If yes, equivalent power (W)	40
		Chromaticity coordinates (x and y)	0,463 0,418
<b>Parameters for LED and OLED light sources:</b>			
R9 colour rendering index value	80	Survival factor	0,85
the lumen maintenance factor	0,96		
<b>Parameters for LED and OLED mains light sources:</b>			
displacement factor (cos $\phi_1$ )	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)	1,0	Stroboscopic effect metric (SVM)	0,9

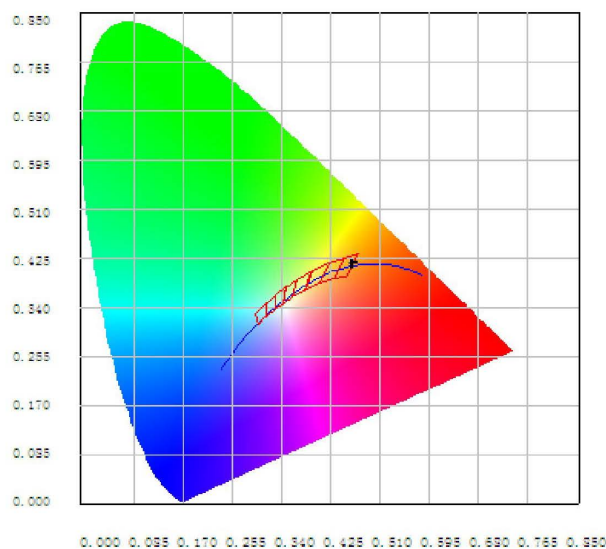
(a)-: not applicable;

(b)-: not applicable;



**Spectrum Parameters**

x: 0.4634            y: 0.4185  
 u: 0.2612           v: 0.3539  
 WD: 583.3 nm      WP: 602.1 nm  
 HW: 114.0 nm      Purity: 0.647  
 CCT: 2711 K        Ra: 82.3  
 SDCM: 3.93        DUV: 0.0026  
 色比: R%: 46.9    G%: 42.7    B%: 10.4  
 Kred 22.14%    Kgreen 75.17%    Kblue 2.69%  
 R1: 80.3    R2: 91.2    R3: 95.7  
 R4: 81.0    R5: 81.7    R6: 91.8  
 R7: 80.8    R8: 55.6    R9: 4.3  
 R10: 81.4    R11: 71.6    R12: 72.9  
 R13: 82.6    R14: 98.2    R15: 71.1



**Electrical parameters**

Flux: 335.708 lm      P: 84.137 lm/w      P: 1042.69 mw  
 I: 18.0 mA      V: 231.70 V      P: 3.990 w      PF: 0.9360

**Memo:**

Model placed on the Union market from 08/04/2022



**EPREL registration number:** 1228438

<https://eprel.ec.europa.eu/qr/1228438>

**Supplier:** AS METALL-SERVICE (Importer)

**Website:** [www.ms-belysning.no](http://www.ms-belysning.no)

**Customer care service:**

**Name:** AS Metall-Service/MS-belysning

**Website:** [www.ms-belysning.no](http://www.ms-belysning.no)

**Email:** [post@ms-belysning.no](mailto:post@ms-belysning.no)

**Phone:** 63888500

**Address:**

Gardermovegen 95 B  
2030 NANNESTAD  
Norway