

# 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:** 9400802410

## Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
Light source cap-type (or other electric interface)	G-9		
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:	Only with specific dimmers

## Product parameters

Parameter	Value	Parameter	Value
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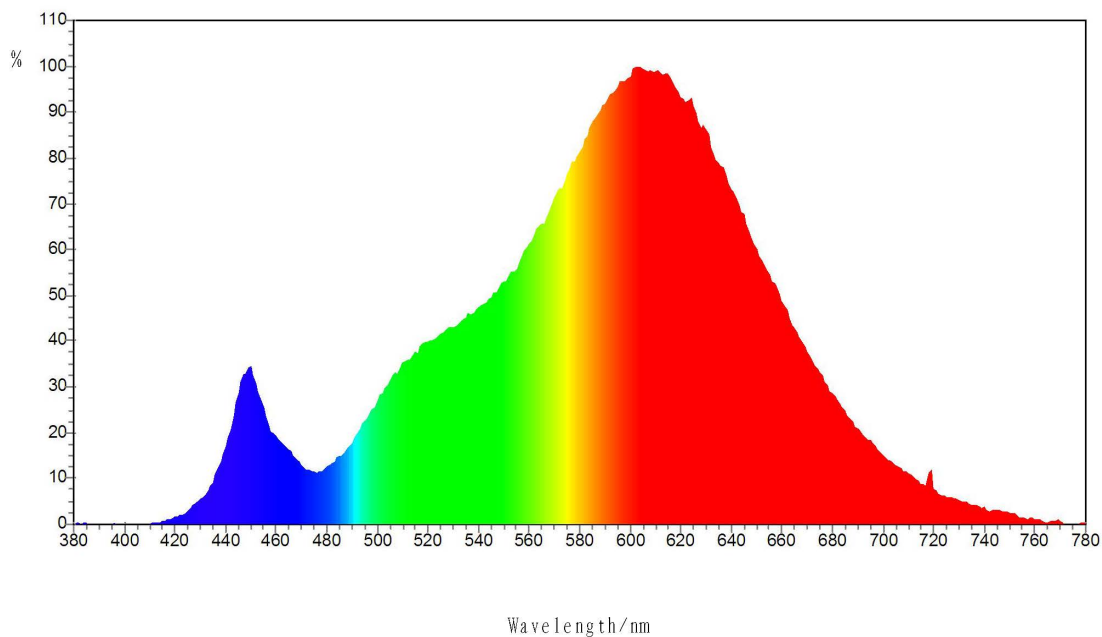
### General product parameters:

Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	5	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	105 or 210 or 420
On-mode power ( $P_{on}$ ), expressed in W	4,5	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, light-	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

ing control parts and non-lighting control parts, if any (millimetre)			
Claim of equivalent power <sup>(a)</sup>	-	If yes, equivalent power (W)	-
		Chromaticity coordinates (x and y)	0,465 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

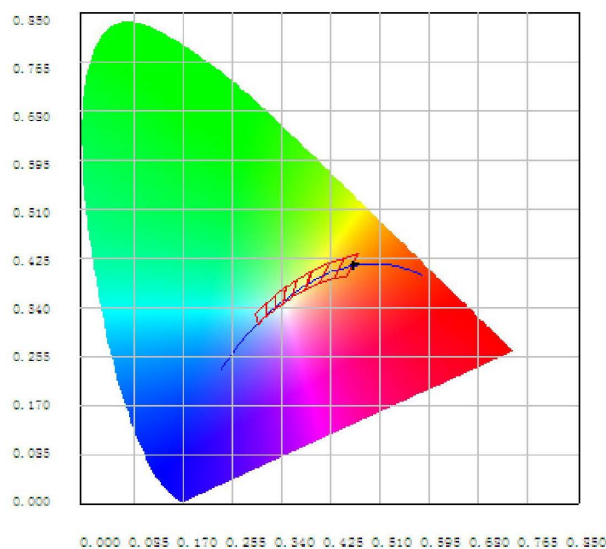
(a): not applicable;

(b): not applicable;



**Spectrum Parameters**

x: 0.4654            y: 0.4181  
 u: 0.2627           v: 0.3540  
 WD: 583.6 nm      WP: 602.1 nm  
 HW: 115.0 nm      Purity: 0.652  
 CCT: 2679 K        Ra: 81.7  
 SDCM: 4.49        DUV: 0.0023  
 色比: R%: 47.6    G%: 42.6    B%: 9.8  
 Kred 22.30%    Kgreen 75.33%    Kblue 2.37%  
 R1: 80.4    R2: 90.7    R3: 96.1  
 R4: 79.7    R5: 79.3    R6: 88.5  
 R7: 82.1    R8: 56.5    R9: 3.6  
 R10: 79.5    R11: 70.2    R12: 71.7  
 R13: 82.6    R14: 98.4    R15: 71.6

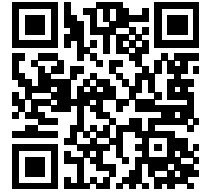


**Electrical parameters**

Flux: 416.168 lm      P: 96.113 lm/w      P: 1308.92 mw  
 I: 21.0 mA      V: 231.60 V      P: 4.330 w      PF: 0.8720

**Memo:**

Model placed on the Union market from 01/07/2022



**EPREL registration number:** 1262607

<https://eprel.ec.europa.eu/qr/1262607>

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

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