

# 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:** 9400801403

## Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
Light source cap-type (or other electric interface)	E27		
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°)	400 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	2 200
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	121	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	80	
	Depth	80	
			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)	0,502 0,422
<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;

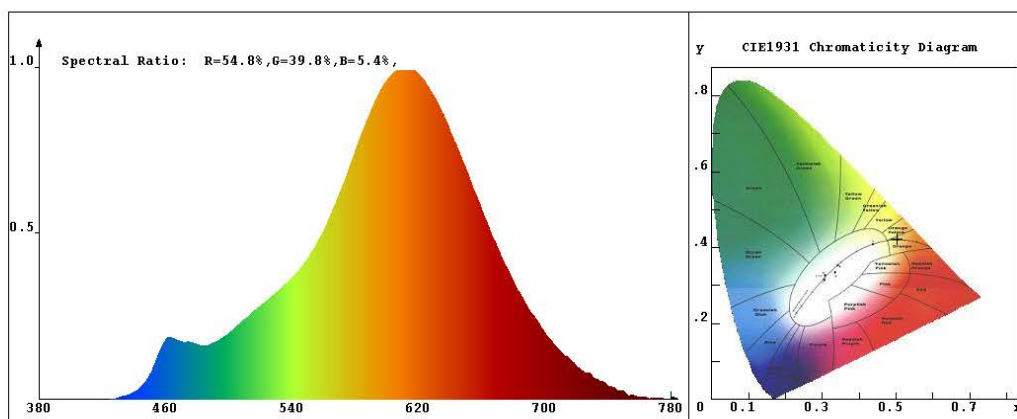
(b)-: not applicable;

# LED Test Report

**Product Mark**

Product Type :G80 Cear 4W  
 Temperature :°C  
 Operator :  
 Remark:

Manufacturer :LDS  
 Humidity :65%  
 Test Date :2021-10-22



**Chroma Parameters**

Chro.Coor.:x=0.5021 y=0.4224 u=0.2843 v=0.3587 duv=0.0022  
 CCT: 2283K Dominant Wave.:586.0nm Purity:77.5%  
 Flux RGB Ratio:R=28.1%,G=70.7%,B=1.2% Peak Wave:611.7nm Half Width:106.7nm

**Rendering Index:Ra= 81.4**

R1 =79 R2 =92 R3 =92 R4 =78 R5 =82 R6 =97 R7 =77 R8 =53  
 R9 =7 R10=85 R11=78 R12=83 R13=82 R14=97 R15=70  
 Fidelity Index (Rf)=79.6 Gamut Index (Rg)=88.4

**Photo Parameters**

Flux:347.68lm Effi.:90.8lm/W Radiant:1121.6mW Iv:0.0mcd  
 Efficiency:0.115 Effi Level:A+ (EU 874-2012)

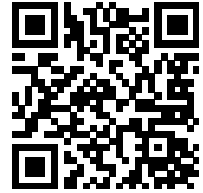
**Ele. Parameters**

Voltage:U=230.31V Current:I=0.0170A  
 Power:P=3.83W Power Factor:PF=0.967

**Instrument state**

Instrument:Hopoo HP8000 Integral Time: 244.857ms VPeak: 13096  
 VDark: 1195 Scan Range: 380-780nm Product ID: 201607129  
 Hopoo Optoelectronics Technology CO.,LTD www.hopoo.net

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



**EPREL registration number:** 1260305

<https://eprel.ec.europa.eu/qr/1260305>

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

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

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