

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: 9400404291

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
Light source cap-type (or other electric interface)	integrated LED		
Mains or non-mains:	NMLS	Connected light source (CLS):	No
Colour-tuneable light source:	No	Envelope:	-
High luminance light source:	Yes		
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	7	Energy efficiency class	E
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°)	963 in Wide cone (120°)	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	3 000
On-mode power (P_{on}), expressed in W	7,0	Standby power (P_{sb}), expressed in W and rounded to the second decimal	0,50
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	60	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	80	
	Depth	600	
			See image in last page

parts and non-lighting control parts, if any (millimetre)			
Claim of equivalent power ^(a)	-	If yes, equivalent power (W)	-
		Chromaticity coordinates (x and y)	0,438 0,401
Parameters for LED and OLED light sources:			
R9 colour rendering index value	80	Survival factor	0,85
the lumen maintenance factor	0,96		

(a) : not applicable;

(b) : not applicable;

Lightsource Test Report

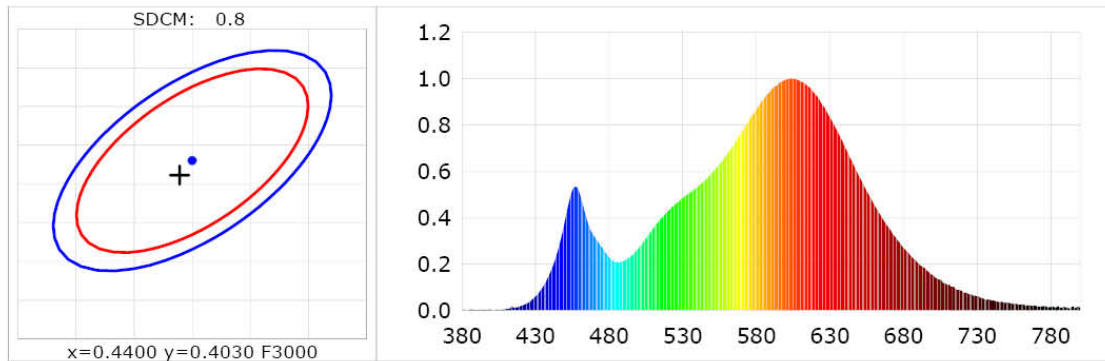
Product Information

Product Type: 9400404291

Product Number: 736

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.4389$ $y=0.4011$ $u(u')=0.2531$ $v=0.3470$ $v'=0.5205$
 CCT: $T_c=2943K$ ($duv=-0.00144$) Color Ratio: $R=0.233$ $G=0.740$ $B=0.027$
 Peak Wavelength: 603.8nm Half Bandwidth: 122.9nm
 Dominant Wavelength: 583.6nm Color Purity: 0.521
 CRI: $R_a=81.6$ TM30: $R_f=81$, $R_g=94$
 $R_1=80$ $R_2=92$ $R_3=95$ $R_4=78$ $R_5=81$ $R_6=90$ $R_7=80$ $R_8=57$
 $R_9=5$ $R_{10}=81$ $R_{11}=76$ $R_{12}=71$ $R_{13}=83$ $R_{14}=98$ $R_{15}=73$
 Color Quality Scale: $Q_a=81.1$, $Q_f=82.7$, $Q_p=82.7$, $Q_g=90.7$
 $Q_1=78$ $Q_2=94$ $Q_3=82$ $Q_4=76$ $Q_5=80$ $Q_6=81$ $Q_7=82$ $Q_8=85$
 $Q_9=95$ $Q_{10}=89$ $Q_{11}=85$ $Q_{12}=82$ $Q_{13}=81$ $Q_{14}=72$ $Q_{15}=74$



Photometric Parameters

Luminous Flux: 963.51 lm Efficiency: 141.69 lm/W Radiant Power: 2.935 W
 EEI: 0.09 Energy Efficiency Class: A++ (EU 874-2012)
 PAR: 2.846 W PPF: 13.749 $\mu\text{mol/s}$

Electric Parameters

Voltage: 35.900V Current: 0.1900A Power: 6.80W
 Power Factor: 1.0000 Frequency: 0.00Hz

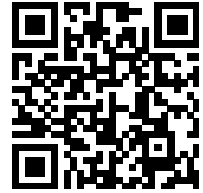
Test Information

Scan Range: 380~800:1nm Photometric Method: sphere-spectroradiometer
 Stabilization Time: 0 Sec Photometric Condition: Sphere diameter: 1.00m, 4T
 Max of Signal: 43159 (3106) CCD Integration Time: 597.72 ms

Condition: $T_x=28.8^\circ\text{C}$, $T_i=27.8^\circ\text{C}$, R.H.:60%
 Test Lab:
 Operator:

Test Device: Inventfine CMS-2S (Plus)
 Test Time: 2024-05-10 11:24:00
 Inspector:

Model placed on the Union market from 03/01/2021



EPREL registration number: 2026026

<https://eprel.ec.europa.eu/qr/2026026>

Supplier: AS METALL-SERVICE (Importer)

Website: www.ms-belysning.no

Customer care service:

Name: AS Metall-Service/MS-Belysning

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