

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: 9400801409

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
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	4	Energy efficiency class	F
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°)	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	110	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	45	
	Depth	45	
			See image in last page

parts and non-lighting control parts, if any (millimetre)			
Claim of equivalent power ^(a)	Yes	If yes, equivalent power (W)	40
		Chromaticity coordinates (x and y)	0,501 0,422
Parameters for LED and OLED light sources:			
R9 colour rendering index value	80	Survival factor	0,85
the lumen maintenance factor	0,96		
Parameters for LED and OLED mains light sources:			
displacement factor (cos ϕ_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;

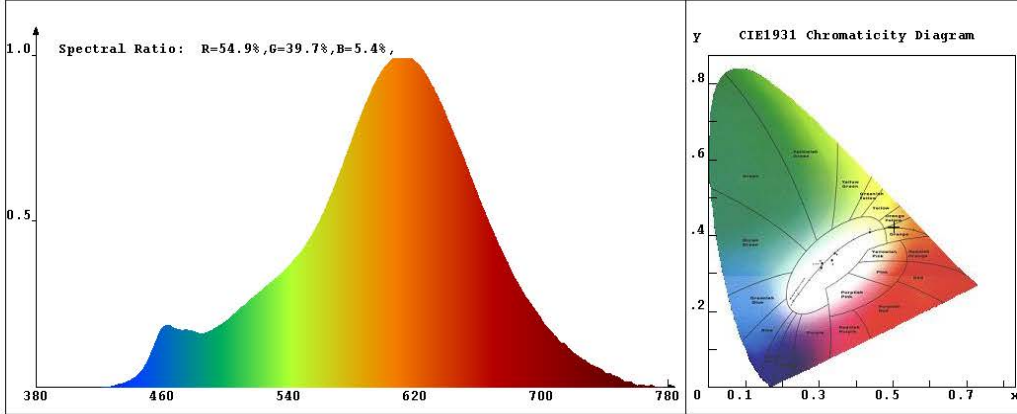
(b)-: not applicable;

LED Test Report

Product Mark

Product Type :P45 Cear 4W
 Temperature :°C
 Operator :
 Remark:

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



Chroma Parameters

Chro.Coor.:x=0.5019 y=0.4223 u=0.2842 v=0.3587 duv=0.0022
 CCT: 2285K Dominant Wave.:586.0nm Purity:77.4%
 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 =80 R2 =93 R3 =92 R4 =78 R5 =82 R6 =96 R7 =78 R8 =53
 R9 =8 R10=85 R11=77 R12=83 R13=82 R14=96 R15=71
 Fidelity Index (Rf)=79.7 Gamut Index (Rg)=88.6

Photo Parameters

Flux:347.60lm Effi.:91.2lm/W Radiant:1124.5mW Iv:0.0mcd
 Efficiency:0.114 Effi Level:A+ (EU 874-2012)

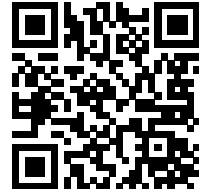
Ele. Parameters

Voltage:U=230.31V Current:I=0.0170A
 Power:P=3.81W Power Factor:PF=0.967

Instrument state

Instrument:Hopoo HP8000 Integral Time: 244.857ms VPeak: 13112
 VDark: 1187 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: 1261431

<https://eprel.ec.europa.eu/qr/1261431>

Supplier: AS METALL-SERVICE (Importer)

Website: www.ms-belysning.no

Customer care service:

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