

Product Information Sheet

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

Supplier's name or trade mark: MONO LIGHTING

Supplier's address: Yassiören Mah. Hadımköy Cad. No:162 Arnavutköy - İSTANBUL / TÜRKİYE

Model identifier: 130-450140-651

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:	No

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	45	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°)	4100 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	6500
On-mode power (P_{on}), expressed in W	45	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	85

Product parameters			
Parameter	Value	Parameter	Value
General product parameters:			
Outer dimensions without separate control gear, lighting control parts and non-lighting control parts, if any (millimetre)	Height	232	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	138	
	Depth	138	
Claim of equivalent power	Yes	If yes, equivalent power (W)	300
		Chromaticity coordinates (x and y)	0.3106 0.3253
Parameters for LED and OLED light sources:			
R9 colour rendering index value	24	Survival factor	0,95
The lumen maintenance factor	0,93		
Parameters for LED and OLED mains light sources:			
Displacement factor (cos ϕ_1)	0,9	Colour consistency in McAdam ellipses	≤ 6
Claims that an LED light source replaces a fluorescent light source without integrated ballast of a particular wattage	not applicable	If yes then replacement claim (W)	-
Flicker metric (Pst LM)	$\leq 1,0$	Stroboscopic effect metric (SVM)	$\leq 0,4$
<p>The graph displays the spectral power distribution (SPD) of the light source. The x-axis represents wavelength in nanometers (nm), ranging from 380 to 780 nm with major ticks every 50 nm. The y-axis represents relative intensity, ranging from 0.0 to 1.2 with major ticks every 0.2. The SPD curve shows a prominent blue peak at approximately 450 nm with a relative intensity of 1.0. A secondary, broader peak is visible between 480 nm and 650 nm, with a maximum relative intensity of approximately 0.5. The curve is colored according to the visible spectrum: blue (450 nm), cyan (500 nm), green (550 nm), yellow (600 nm), orange (650 nm), and red (700 nm).</p>			