

# Product Information Sheet

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

**Supplier's name or trade mark:** ORION

**Supplier's address:** QC/LABOR, Oberlaaerstraße 284, 1230 Wien, AT

**Model identifier:** LM E27/8W i.m. (Standard/2700K/806lm)

## 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	8	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°)	806 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	2 700
On-mode power ( $P_{on}$ ), expressed in W	8,0	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	105	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	60	
	Depth	60	
			See image in last page

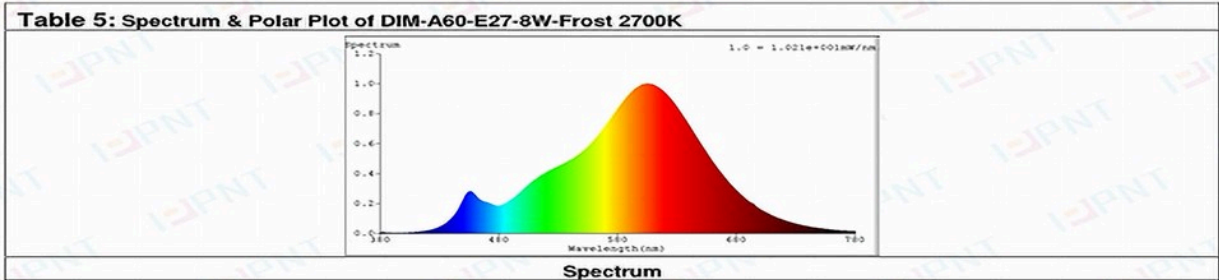
parts and non-lighting control parts, if any (millimetre)			
Claim of equivalent power <sup>(a)</sup>	Yes	If yes, equivalent power (W)	60
		Chromaticity coordinates (x and y)	0,463 0,420
<b>Parameters for LED and OLED light sources:</b>			
R9 colour rendering index value	6	Survival factor	0,90
the lumen maintenance factor	0,94		
<b>Parameters for LED and OLED mains light sources:</b>			
displacement factor (cos $\phi_1$ )	0,50	Colour consistency in McAdam ellipses	6
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)	0,4

(a)-: not applicable;

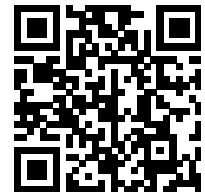
(b)-: not applicable;

Sample No.	Initial Flux (lm)	3600H Flux (lm)	$X_{LMF,MIN}\%$ at 3600H	Survival factor at 3600H	Measured beam angle (°)	Measured I <sub>max</sub> (cd)	Measured light output within $\pi$ sr
1#	819.7	771.3	94.1%	Yes	-	-	-
2#	824.5	777.4	94.3%	Yes	-	-	-
3#	824.5	776.0	94.1%	Yes	-	-	-
4#	822.0	773.0	94.0%	Yes	-	-	-
5#	812.6	764.6	94.1%	Yes	-	-	-
6#	813.3	765.4	94.1%	Yes	-	-	-
7#	826.3	778.3	94.2%	Yes	-	-	-
8#	823.7	774.3	94.0%	Yes	-	-	-
9#	823.8	778.1	94.5%	Yes	-	-	-
10#	815.2	766.6	94.0%	Yes	-	-	-
Average	820.5	772.5	94.1%	Yes	-	-	-
Required	--	--	≥ 94%	≥ 90%	-	-	-

Sample No.	Measured voltage(V)	Measured current (mA)	Input wattage (W)	Output wattage (W)	Energy efficiency	P <sub>no</sub> (W)	P <sub>sb</sub> (W)	P <sub>net</sub> (W)
1#	--	--	--	--	--	--	--	--
2#	--	--	--	--	--	--	--	--
3#	--	--	--	--	--	--	--	--
Average	--	--	--	--	--	--	--	--
Required	--	--	--	--	--	--	--	--



Model placed on the Union market from 31/01/2022



**EPREL registration number:** 770506

<https://eprel.ec.europa.eu/qr/770506>

**Supplier:** Orion Leuchten-Fabrik Molecz & Sohn Gesellschaft m.b.H (Manufacturer)

**Website:** [www.orionleuchten.at](http://www.orionleuchten.at)

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