

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 klar (Standard/2700K/980lm)

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	8	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°)	980 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	Height	Spectral power distribution in the	See image in last page
	Width		
	Depth		

separate control gear, lighting control parts and non-lighting control parts, if any (millimetre)			range 250 nm to 800 nm, at full-load	
Claim of equivalent power ^(a)	Yes	If yes, equivalent power (W)	70	
		Chromaticity coordinates (x and y)	0,463 0,420	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	6	Survival factor	0,90	
the lumen maintenance factor	0,94			
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ_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;

Table 3 : DIM-A60-E27-8W-Clear 2700K

Sample No.	Initial Flux (lm)	3600H Flux (lm)	X _{LUM,MIN} % at 3600H	Survival factor at 3600H	Measured beam angle (°)	Measured I _{max} (cd)	Measured light output within π sr
1#	987.8	928.6	94.0%	Yes	-	-	-
2#	1002.3	943.5	94.1%	Yes	-	-	-
3#	990.9	932.5	94.1%	Yes	-	-	-
4#	1001.7	943.1	94.2%	Yes	-	-	-
5#	988.9	933.4	94.4%	Yes	-	-	-
6#	990.6	933.8	94.3%	Yes	-	-	-
7#	1003.8	948.4	94.5%	Yes	-	-	-
8#	997.2	941.4	94.4%	Yes	-	-	-
9#	986.1	929.0	94.2%	Yes	-	-	-
10#	996.5	941.2	94.4%	Yes	-	-	-
Average	994.6	937.5	94.3%	Yes	-	-	-
Required	--	--	≥ 94%	≥ 90%	-	-	-

Table 4 for model LED driver

Sample No.	Measured voltage(V)	Measured current (mA)	Input wattage (W)	Output wattage (W)	Energy efficiency	P _{no} (W)	P _{sb} (W)	P _{net} (W)
1#	--	--	--	--	--	--	--	--
2#	--	--	--	--	--	--	--	--
3#	--	--	--	--	--	--	--	--
Average	--	--	--	--	--	--	--	--
Required	--	--	--	--	--	--	--	--

