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 E14/4,5W klar (Illu/2700K/450lm)

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
Light source cap-type (or other electric interface)	E14		
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

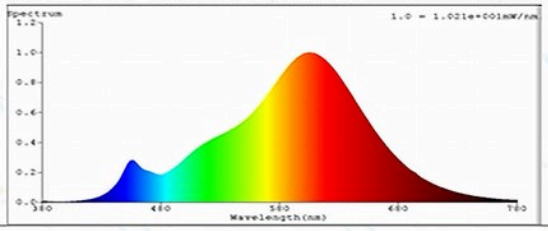
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	5	Energy efficiency class	F
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	450 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	4,5	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	78	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page
Outer dimensions without separate control gear, lighting control — Width	45		
Outer dimensions without separate control gear, lighting control — Depth	45		

parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power[a]		Yes	If yes, equivalent power (W)	39
			Chromaticity coordinates (x and y)	0,463 0,420
Parameters for LED and OLED light sources:				
R9 colour rendering index value		5	Survival factor	0,90
the lumen maintenance factor		0,94		
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ1)		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;

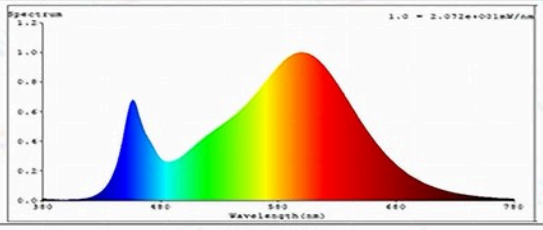
[b] '-' : not applicable;

Table 5: Spectrum & Polar Plot of DIM-G45-E14-4.5W-Clear 2700K



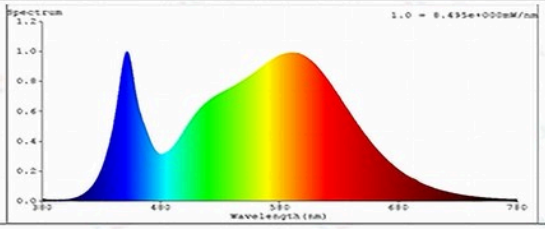
Spectrum

Table 5: Spectrum & Polar Plot of DIM-G45-E14-4.5W-Clear 3000K



Spectrum

Table 5: Spectrum & Polar Plot of DIM-G45-E14-4.5W-Clear 4000K



Spectrum

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

EPREL registration number: 766928

https://eprel.ec.europa.eu/qr/766928

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

Website: www.orionleuchten.at

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