

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, Oberlaaerstraße 284, 1230 Wien, AT

Model identifier: LM 12V/1,8W LED G4 (G4/185lm/2700K)

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
Light source cap-type (or other electric interface)	G4		
Mains or non-mains:	NMLS	Connected light source (CLS):	No
Colour-tuneable light source:	No	Envelope:	-
High luminance light source:	No		
Anti-glare shield:	No	Dimmable:	No

Product parameters

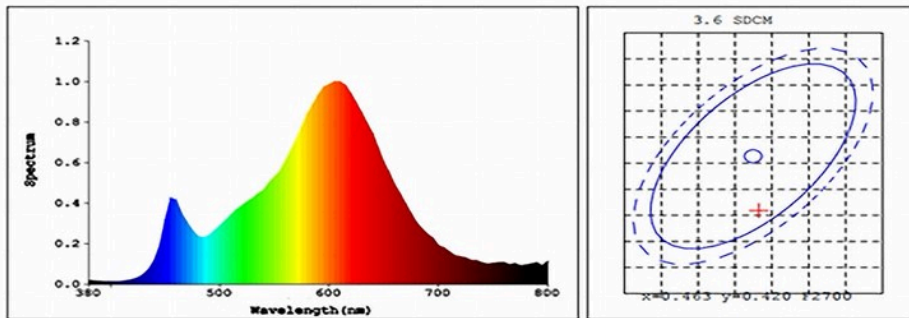
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	2	Energy efficiency class	F
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	185 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	1,8	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)	-	If yes, equivalent power (W)	-
		Chromaticity coordinates (x and y)	0,463 0,412
Parameters for LED and OLED light sources:			
R9 colour rendering index value	0	Survival factor	1,00
the lumen maintenance factor	0,96		

(a): not applicable;

(b): not applicable;

Attachment 1: Photometric test record



Color Parameters:

Chromaticity Coordinate: $x=0.4626$ $y=0.4120$
 Chromaticity Coordinate: $u'=0.2636$ $v'=0.5283$
 $T_c=2675K$ Dominant WL: $L_d=582.8nm$ Purity: 51.2% Centroid WL: $593.0nm$
 Ratio: $R=25.5\%$ $G=72.1\%$ $B=2.4\%$ Peak WL: $L_p=605.0nm$ HWL: $110.8nm$
 Render Index: $R_a=81.6$ CRI: 76.3
 R1 =80 R2 =91 R3 =95 R4 =79 R5 =81 R6 =90 R7 =81
 R8 =57 R9 =4 R10=80 R11=77 R12=73 R13=83 R14=98 R15=73

Photo Parameters:

Flux: 188.33 lm $F_e=0.5652$ W Efficacy: 106.4 lm/W

Electrical Parameters:

Luminaire: U= $12.001V$ I= $0.14749A$ P= $1.77W$ PF= 1.000