

# 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

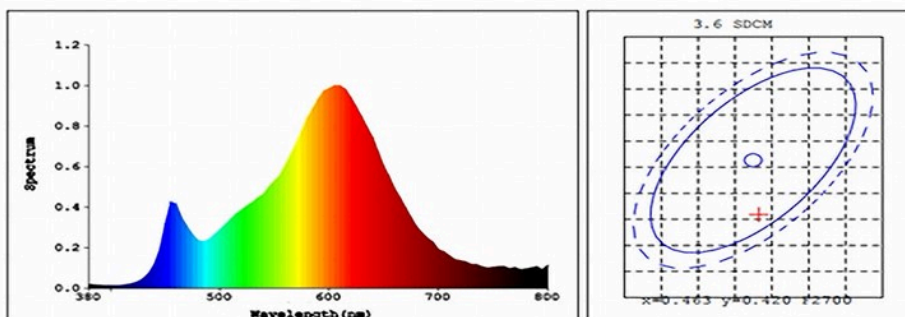
| Parameter  | Value                | Parameter  | Value                  |
|--|----------------------|--|------------------------|
| <b>General product parameters:</b>   |                      |  |                        |
| Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer  | 2                    | 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°) | 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 separate control gear, lighting control   | Height               | Spectral power distribution in the range 250 nm to 800 nm, at full-load  | See image in last page |
|  | Width                |  |                        |
|  | Depth                |  |                        |

|   |      |                                    |                |  |
|---|------|------------------------------------|----------------|--|
| parts and non-lighting control parts, if any (millimetre) |      |                                    |                |  |
| Claim of equivalent power <sup>(a)</sup>                  | -    | If yes, equivalent power (W)       | -              |  |
|   |      | Chromaticity coordinates (x and y) | 0,463<br>0,412 |  |
| <b>Parameters for LED and OLED light sources:</b>         |      |                                    |                |  |
| 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:  $u'=0.2636$   $v'=0.5283$ 

Tc=2675K Dominant WL=Ld=582.8nm Purity=51.2% Centroid WL:593.0nm

Ratio: R=25.5% G=72.1% B=2.4% Peak WL:Lp=605.0nm HWL:110.8nm

Render Index: Ra=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 Fe:0.5652 W Efficacy:106.4 lm/W

**Electrical Parameters:**

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

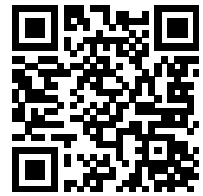
Test Report PPP 11118B: 2020 Rev.00

ID: 107082

Revision: 0 - released

TUV®

Model placed on the Union market from 30/11/2021



**EPREL registration number:** 764901

<https://eprel.ec.europa.eu/qr/764901>

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

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

**Customer care service:**

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