Product Information Sheet

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

| sources | PELOATED REGOT | -AHON (LO) 2013/2 | old with regard to energ | gy labelling of light | |
|---|--|-------------------------|--|-----------------------|--|
| Supplier's name | e or trade mark: | ORION | | | |
| Supplier's addr | ess: QC/LABOR, (| Oberlaaerstraße 284 | 1, 1230 Wien, AT | | |
| Model identifie | er: LM E27/4,5W | i.m. (Illu/2700K/450 | Olm) | | |
| Type of light so | urce: | | | | |
| Lighting techno | logy used: | LED | Non-directional or directional: | NDLS | |
| Light source cap (or other electr | | E27 | | | |
| Mains or non-m | nains: | MLS | Connected light source (CLS): | No | |
| Colour-tuneable | e light source: | No | Envelope: | - | |
| High luminance | light source: | No | | | |
| Anti-glare shield | d: | No | Dimmable: | Yes | |
| | | Product para | meters | | |
| Parameter | | Value | Parameter | Value | |
| | | General product p | parameters: | | |
| | mption in on- 100 h), rounded st integer | 5 | Energy efficiency class | F | |
| indicating if it r in a sphere (3 | us flux (фuse), efers to the flux 60º), in a wide n a narrow cone | 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 prespressed in W | oower (P _{on}), | 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 | Height | 72 | Spectral power | See image | |
| dimensions | Width | 45 | distribution in the | in last page | |
| without | Depth | 45 | | Page 1 | |

| 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) | 40 |
| | | Chromaticity | 0,463 |
| | | coordinates (x and y) | 0,420 |
| Parameters for LED and OLED li | ght sources: | | |
| R9 colour rendering index value | 5 | Survival factor | 0,90 |
| the lumen maintenance factor | 0,94 | | |
| Parameters for LED and OLED m | ains 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 |

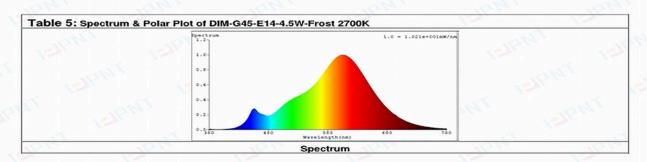
(a)'-': not applicable;

(b)_{'-'} : not applicable;

Report No.: PNT-TH21NO1329ERP

| Sample No. | Initial Фuse (lm) | 3600H Фuse (lm) | Х _{ІМЕМІ} N% at 3600H | Survival factor at 3600H | Measured beam angle (°) | Measured Imax (cd) | Measured light output within π sr |
|------------|----------------------|--------------------|-----------------------------------|--------------------------------|----------------------------|-----------------------|-----------------------------------|
| 1# | 461.7 | 435.4 | 94.3% | Yes | 310 | 1010 | . 101 |
| 2# | 461.6 | 434.8 | 94.2% | Yes | | | |
| 3# | 454.3 | 427.6 | 94.1% | Yes | | - | · · |
| 4# | 462.4 | 435.3 | 94.1% | Yes | | - 10 | • |
| 5# | 454.7 | 428.4 | 94.2% | Yes | | | |
| 6# | 456.7 | 430.8 | 94.3% | Yes | | - | |
| 7# | 460.4 | 433.3 | 94.1% | Yes | -1/2 | - | ACT. |
| 8# | 460.6 | 434.3 | 94.3% | Yes | 1. | - 1 | |
| 9# | 457.2 | 431.2 | 94.3% | Yes | | - 120 | 110. |
| 10# | 457.3 | 430.0 | 94.0% | Yes | 1 | - | |
| Average | 458.7 | 432.1 | 94.2% | Yes | - | - | |
| Required | | N | ≥ 94% | ≥ 90% | . 1100 | 1600 | |

| Table 4 for model _LED driver | | | | | | | | |
|-------------------------------|------------------------|-----------------------------|-------------------------|--------------------------|----------------------|---------|---------|----------|
| Sample No. | Measured voltage(V) | Measured current (mA) | Input wattage (W) | Output wattage (W) | Energy efficiency | Pno (W) | Psb (W) | Pnet (W) |
| 1# | | | | | | | | 613. |
| 2# | | | | <i></i> | | | | |
| 3# | | | | | | | | |
| Average | | - | 1677 | | - | | · | 16-10 |
| Required | 931- | | | | _ | | | 100 |



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OCRAY EFFICIENCY, FUNCTIONALITY AND LABELMORESO, INDIANTS FOR LUMITHOR—V 20