



## ARTELYS DECO 350 TS

### MAIN CHARACTERISTICS

|                                 |   |
|---------------------------------|---|
| <b>Applications</b>             | Street and urban lighting.  |
| <b>Optic</b>                    | TS: Symmetrical optic for centre road lighting.<br>S: Symmetrical optic for urban lighting and green areas.<br>Colour temperature: 4000K (3000K optional)   CRI ≥ 70<br>LOR= 100%, DLOR= 100%, ULOR= 0%<br>Photobiological safety class: EXEMPT GROUP<br>LED source efficiency: 168lm/W @ 525mA, Tj=85°C, 4000K |
| <b>Insulation class</b>         | II, I   |
| <b>Protection degree</b>        | IP66   IK08 total   |
| <b>Dimensions</b>               | See the drawing   |
| <b>Weight</b>                   | max 6.5 kg  |
| <b>Exposed surface</b>          | Side: 0.09m <sup>2</sup> – Top: 0.10m <sup>2</sup>  |
| <b>Mounting</b>                 | Suspended installation on cable Ø5-12mm.<br>Inclination on horizontal plane: ±15°. Rotation: 360° on vertical axis.   |
| <b>LED Modules</b>              | Removable / Replaceable   |
| <b>Gear tray</b>                | Removable plate.  |
| <b>Operating temp.</b>          | -40°C / +50°C (525mA)   -40°C / +35°C (700mA)   |
| <b>Storage temp.</b>            | -40°C / +80°C   |
| <b>Main reference standards</b> | EN 60598-1, EN 60598-2-3, EN 62471,<br>EN 55015, EN 61547, EN 61000-3-2, EN 61000-3-3   |



### ELECTRICAL CHARACTERISTICS

|   |  |
|---|--|
| <b>Rated voltage</b>                          | 220÷240V 50/60Hz (Standard tolerance +/-10%. Other voltages and tolerances upon request)   |
| <b>Power factor</b>                           | >0,95 (at full load F, DA, DAC)  |
| <b>On-load switch</b>                         | Included, with integrated cable clamp.   |
| <b>Mains connection</b>                       | For cables max section 4mm <sup>2</sup><br>Option: pass-through with integrated double H07RN-F cable and optional double connector M/F IP66/68 for cable max. 2.5mm <sup>2</sup> , Ø max. 14mm.  |
| <b>Surge protection</b>                       | Up to 10kV   With SPD (optional) 10kV / 10kV CM/DM   |
| <b>SPD (optional)</b>                         | 10kV-10kA, type 2+3, with LED signal and thermo fuse to disconnect load at the end of life.  |
| <b>Control system (options)</b>               | F: Fixed power not dimmable.<br>DA: Automatic dimming (virtual midnight) with default profile.<br>DAC: Custom DA profile.<br>FLC: Constant light flux.<br>WL: Wireless single point communication system.<br>DALI: Digital dimming interface DALI. |
| <b>Optical unit lifetime (Tq=25°C, 700mA)</b> | >100.000hr L90B10<br>>100.000hr L90, TM-21   |

### MATERIALS

|                 |  |
|-----------------|--|
| <b>Fixing</b>   | Stainless steel.   |
| <b>Body</b>     | Turned aluminium powder painted.   |
| <b>Heatsink</b> | Extruded aluminum.   |
| <b>Closure</b>  | Stainless steel captive screws.  |
| <b>Optic</b>    | 99.85% aluminium with a surface finish in 99.95% with vacuum-sealed deposition.<br>Alluminum grade class A+ (DIN EN 16268) |
| <b>Screen</b>   | Flat tempered glass, 5mm thickness, high transparency.   |
| <b>Gasket</b>   | Polyurethane   |
| <b>Colour</b>   | Graphite - Cod. 01   |





| LUMINAIRE                        | OPTIC | LED CURRENT (mA) | RATED LUMINAIRE FLUX* (Tq=25°C, 4000K, lm) | RATED LUMINAIRE POWER* (Tq=25°C, Vin=230Vac, F/DA/DAC, W) | LUMINAIRE EFFICACY (Tq=25°C, lm/W) | RATED LED FLUX* (Tj=85°C, 4000K, lm) | RATED LED POWER* (Tj=85°C, W) |
|----------------------------------|-------|------------------|--|---|------------------------------------|--------------------------------------|-------------------------------|
| ARTELYS DECO 350 TS 0F2H1 4.5-1M | TS    | 525              | 1840                                       | 16  | 115                                | 2184                                 | 13                            |
| ARTELYS DECO 350 TS 0F2H1 4.5-2M |       |                  | 3620                                       | 30.5  | 118                                | 4368                                 | 26                            |
| ARTELYS DECO 350 TS 0F2H1 4.7-1M | TS    | 700              | 2370                                       | 21.5  | 110                                | 2765                                 | 18                            |
| ARTELYS DECO 350 TS 0F2H1 4.7-2M |       |                  | 4630                                       | 40  | 115                                | 5530                                 | 36                            |
| ARTELYS DECO 350 TS 0F2H1 4.5-2M | S     | 525              | 3620                                       | 30.5  | 118                                | 4368                                 | 26                            |
| ARTELYS DECO 350 TS 0F2H1 4.7-2M | S     | 700              | 4630                                       | 40  | 115                                | 5530                                 | 36                            |

\*RATED LUMINAIRE FLUX / RATED LUMINAIRE POWER: Rated data obtained in laboratory.

\*RATED LED FLUX / RATED LED POWER: Rated data extrapolated from LED manufacturer datasheet.

Values indicated in this technical sheet are to be considered rated values. Flux tolerance: ±7%. Power tolerance: ±5%.  
The characteristics of the product listed above are subjected to change without notice.



| LUMINAIRE                        | OPTIC | LED CURRENT (mA) | RATED LUMINAIRE FLUX* (Tq=25°C, 3000K, lm) | RATED LUMINAIRE POWER* (Tq=25°C, Vin=230Vac, F/DA/DAC, W) | LUMINAIRE EFFICACY (Tq=25°C, lm/W) | RATED LED FLUX* (Tj=85°C, 3000K, lm) | RATED LED POWER* (Tj=85°C, W) |
|----------------------------------|-------|------------------|--|---|------------------------------------|--------------------------------------|-------------------------------|
| ARTELYS DECO 350 TS 0F2H1 3.5-1M | TS    | 525              | 1720                                       | 16  | 107                                | 1990                                 | 13                            |
| ARTELYS DECO 350 TS 0F2H1 3.5-2M |       |                  | 3360                                       | 30.5  | 110                                | 3980                                 | 26                            |
| ARTELYS DECO 350 TS 0F2H1 3.7-1M | TS    | 700              | 2210                                       | 21.5  | 102                                | 2520                                 | 18                            |
| ARTELYS DECO 350 TS 0F2H1 3.7-2M |       |                  | 4300                                       | 40  | 107                                | 5040                                 | 36                            |
| ARTELYS DECO 350 TS 0F2H1 3.5-2M | S     | 525              | 3360                                       | 30.5  | 110                                | 3980                                 | 26                            |
| ARTELYS DECO 350 TS 0F2H1 3.7-2M | S     | 700              | 4300                                       | 40  | 107                                | 5040                                 | 36                            |

\*RATED LUMINAIRE FLUX / RATED LUMINAIRE POWER: Rated data obtained in laboratory.

\*RATED LED FLUX / RATED LED POWER: Rated data extrapolated from LED manufacturer datasheet.

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