

# TYTAN STEEL LED 1188MM 10900LM 840 IP66 LS2 5P DALI 105D 73W

DETAILED CARD



## TECHNICAL PARAMETERS

|   |              |
|---|--------------|
| <b>Index:</b>                             | 598777       |
| <b>Ingress protection:</b>                | IP66         |
| <b>Impact resistance:</b>                 | IK06         |
| <b>Rated power of the luminaire [W]*:</b> | 73           |
| <b>Luminous flux [lm]*:</b>               | 10900        |
| <b>Colour temperature [K]:</b>            | 4000         |
| <b>Material of the body:</b>              | coated steel |
| <b>Colour of the body:</b>                | white        |
| <b>Diffuser material:</b>                 | PC           |
| <b>Diffuser type:</b>                     | matrix led   |

## CHARACTERISTICS

The Tytan Steel LED reflects an innovative approach to the classic hermetic luminaire that combines functionality with aesthetics. All the technical advantages of a traditional hermetic luminaire are encapsulated in a sleek, low profile, giving the lamp a modern design. Thanks to its advanced optics, the Tytan Steel LED will be suitable for both the simplest applications and demanding industrial solutions. The product is characterised by exceptional ease of installation, low purchase and operating costs (169 lm/W). The reliable components used in the lamp minimise the need for servicing. The Tytan Steel LED is made of steel for exceptional durability and, thanks to its U-shaped profile design, retains the lightness typical of plastic luminaires, making it easy to install and not weighing down load-bearing structures. The Tytan Steel LED is the optimum combination of functionality and economy, ideal for a wide range of applications.

## APPLICATION

The multi-purpose LED luminaire is designed for use in areas with high dust- and water-tightness requirements. It is particularly recommended for the illumination of industrial and warehouse halls, garages, car parks (underground and multi-storey), public facilities including hospitals, educational and educational facilities, retail and service facilities, transport terminals and underground passages. The lamp is ideal for new lighting applications as well as replacing traditional fluorescent luminaires with energy-efficient LED solutions. Its design is suitable for surface-mounted and suspended installation.

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## TECHNICAL PARAMETERS TABLE

|                                   |               |  |   |
|-----------------------------------|---------------|--|---|
| Index:                            | 598777        | Remarks:                                 | RAL9010   |
| EAN:                              | 5905963598777 | Dimensions (H/W/T/S) [mm]:               | 1188/57/45  |
| Light source:                     | LED module    | Mounting dimensions [mm]:                | 520   |
| Rated power of the luminaire [W]: | 73            | Impact resistance:                       | IK06  |
| Luminous flux [lm]:               | 10900         | Ingress protection:                      | IP66  |
| Supply voltage [V]:               | 220-240       | Mounting version:                        | surface, suspended  |
| Frequency [Hz]:                   | 50-60         | DIMM DALI:                               | yes   |
| Luminous efficacy [lm/W]:         | 149           | Wire type:                               | 5x1,5   |
| Energy efficiency class:          | C             | Through wiring:                          | LS2   |
| Electrical protection class:      | I             | Number on the palette [pcs]:             | 110   |
| Colour temperature [K]:           | 4000          | Net weight [kg]:                         | 1.400   |
| Color rendering index (Ra) >:     | 80            | Light distribution type:                 | symmetric   |
| SDCM:                             | 3             | Working temperature [°C]:                | from +35 to -20   |
| LED lifespan L70B50 [h]:          | 140000        | Photobiological safety:                  | Risk Group 1 (no photobiological hazard under normal behavioral limitation) |
| LED lifespan L80B10 [h]:          | 88000         | Warranty [years]:                        | 5   |
| LED lifespan L90B10 [h]:          | 42000         | CE certificate:                          | <a href="#">73/2025</a>   |
| Beam angle [°]:                   | 105           | ENEC Certificate:                        | <a href="#">0470/ENEC/26</a>  |
| Surge protection [kV]:            | 2             | Environmental Product Declaration (EPD): | <a href="#">869/2025</a>  |
| Diffuser material:                | PC            | Manual:                                  | <a href="#">Download PDF</a>  |
| Diffuser type:                    | matrix led    | ISO Certificates:                        | 9001:2015, 14001:2015, 45001:2018, 50001:2018                               |
| Material of the body:             | coated steel  | Plik LDT:                                | <a href="#">Download</a>  |
| Colour of the body:               | white         |  |   |

## LIGHT CURVES



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## ACCESSORIES AVAILABLE

| index  | Name   |
|--------|--|
| 598906 | Tytan Steel protection grid 1188mm RAL9003     |
| 598913 | Protection grid Sensor Hytronik HIM84 RAL 9003 |
| 598432 | Tytan Steel - suspension bracket (set)         |



Tytan Steel protection grid 1188mm RAL9003 (598906)



Protection grid Sensor Hytronik HIM84 RAL 9003 (598913)

Card creation date: 03 October 2025

The company reserves the right to make design changes or upgrades in the presented product. Product data sheet does not constitute an offer. \* Parameter tolerance is +/- 10%



This product is a subject to electric and electronic waste equipment regulations (WEEE).



Certificate CE - Nr: 73/2025