# TYTAN STEEL LED 600MM 2950LM 840 IP66 DALI 105D 20W

DETAILED CARD



## TECHNICAL PARAMETERS

| | |
|---|---|
| **Index:** | 596575 |
| **Ingress protection:** | IP66 |
| **Impact resistance:** | IK06 |
| **Rated power of the luminaire [W]*:** | 20 |
| **Luminous flux [lm]*:** | 2950 |
| **Colour temperature [K]:** | 4000 |
| **Material of the body:** | coated steel |
| **Colour of the body:** | white |
| **Diffuser material:** | PC |
| **Diffuser type:** | 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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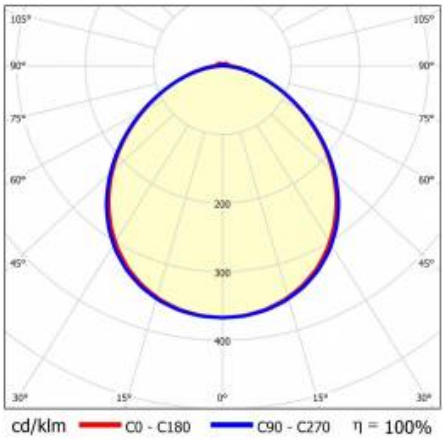
DETAILED CARD

## TECHNICAL PARAMETERS TABLE

| | |
|---|---|
| **Index:** | 596575 |
| **EAN:** | 5905963596575 |
| **Light source:** | LED module |
| **Rated power of the luminaire [W]:** | 20 |
| **Luminous flux [lm]:** | 2950 |
| **Supply voltage [V]:** | 220-240 |
| **Frequency [Hz]:** | 50-60 |
| **Luminous efficacy [lm/W]:** | 148 |
| **Energy efficiency class:** | C |
| **Electrical protection class:** | I |
| **Colour temperature [K]:** | 4000 |
| **Color rendering index (Ra) >:** | 80 |
| **SDCM:** | 3 |
| **LED lifespan L70B50 [h]:** | 140000 |
| **LED lifespan L80B10 [h]:** | 88000 |
| **LED lifespan L90B10 [h]:** | 42000 |
| **Beam angle [°]:** | 105 |
| **Surge protection [kV]:** | 2 |
| **Diffuser material:** | PC |
| **Diffuser type:** | matrix led |
| **Material of the body:** | coated steel |

| | |
|---|---|
| **Colour of the body:** | white |
| **Remarks:** | RAL9010 |
| **Dimensions (H/W/T/S) [mm]:** | 600/57/45 |
| **Mounting dimensions [mm]:** | 520 |
| **Impact resistance:** | IK06 |
| **Ingress protection:** | IP66 |
| **Mounting version:** | surface, suspended |
| **DIMM DALI:** | yes |
| **Number on the palette [pcs]:** | 165 |
| **Net weight [kg]:** | 0.950 |
| **Light distribution type:** | symmetric |
| **Working temperature [°C]:** | from -20 to +35 |
| **Photobiological safety:** | Risk Group 1 (no photobiological hazard under normal behavioral limitation) |
| **Warranty [years]:** | 5 |
| **CE certificate:** | 73/2025 |
| **ENEC Certificate:** | 0470/ENEC/26 |
| **Environmental Product Declaration (EPD):** | 869/2025 |
| **Manual:** | Download PDF |
| **ISO Certificates:** | 9001:2015, 14001:2015, 45001:2018, 50001:2018 |
| **Plik LDT:** | Download |

## LIGHT CURVES

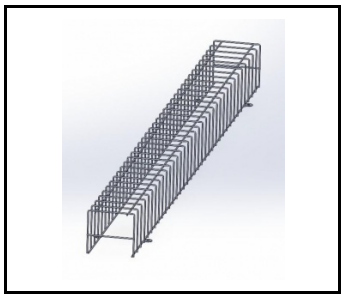


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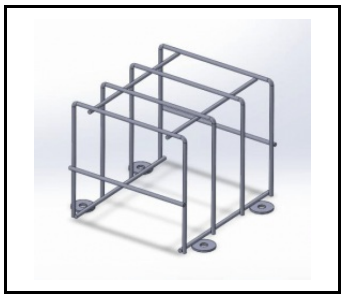
DETAILED CARD

## 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)



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 andelectronic waste equipment regulations (WEEE).

Certificate CE - Nr: 73/2025

LENA LIGHTING

Lena Lighting S.A.
ul. Kórnicka 52, 63-000 Środa Wielkopolska
tel. +48 61 28 60 333 (Pn-Pt, 8-16), e-mail: hello@lenalighting.pl, www.lenalighting.pl