

Tytan 2 LED

Industrial lighting



100%

Made in Poland

We are a lighting manufacturer with 34 years of presence on the market, which is why we know everything about luminaires and lighting systems: we design, comprehensively test and manufacture them. We combine practice with modernity.

We have technologically advanced manufacturing facilities at our command, which guarantees a high level of flexibility and operational efficiency. We produce over 4 million luminaires annually, and each product leaving the Lena Lighting production line strengthens our position as one of the leaders in the market of luminaires in the country and in the world – every day.

When designing new luminaires, we take advantage of the latest achievements in technology. For years, we have cooperated with leading international manufacturers of electrotechnical components, who, in addition to providing us with their solutions, also implement individual projects of our Engineers at the Research and Development Department of Lena Lighting S.A., allowing for a significant reduction in energy consumption, while improving the quality of lighting. We are constantly enhancing our know-how using the latest global solutions in LED technology and lighting control.

34+

years of experience



Modern LED production line

Środa Wielkopolska



It really matters

We make our products according to the highest environmental standards.



Being aware of the importance of environmental protection behaviours and future generations inspires us to put maximum effort into offering the highest quality, energy-efficient products; and to make sure that the entire process and technology of their production do not have a negative impact on the ecosystem.

Our efforts and their effectiveness have been confirmed by the ISO 14001 certificate. This means that Lena Lighting has successfully implemented an environmental management system. The overall goal of this system is to create conditions for the functioning of the enterprise in order to minimise the negative impact on the natural environment. We have already succeeded, but we are going to continue our journey and invest in technology and knowledge aimed at care for the natural environment.



Design perfectly
Create consistently
Offer comprehensively
Hit precisely

Designing the second generation of successful luminaires has been a big challenge I had to face.

Customer expectations for the product are huge. Quality, energy efficiency, safety and ergonomics are not enough. These were provided by the first generation of Tytan Led. The next one must bring added value.

In the course of research and searching for the best solutions – with the use of more effective LEDs – I was able to obtain greater efficiency and luminous flux at the same power. As a result, the customer will receive a product that is proven and appreciated on the market with even better parameters and savings in the operation process.


Michał Jaraczewski
Luminaire designer, R&D



**We are responsible for the
highest quality of lighting**

Entrust lighting design to professionals

Office: Środa Wielkopolska



Our customers can take advantage of our experts' professional advice at any time during the implementation of the investment. We will support you in choosing the lighting concept and the products. We will make visualisations and comprehensive lighting projects using the latest computer software. We make calculations of profitability and energy efficiency of lighting.

Engineers working in our design office will prepare a project that meets all standards and guarantees comfort of use. The client receives free-of-charge consultancy and project documentation, which guarantee high quality and compliance with standards.

DIALux

AUTODESK
REVIT

SOLIDWORKS

We invite you
to cooperate with us

Your best choice for industry

The Tytan 2 LED family represents the latest generation of hermetic industrial luminaires, characterised by exceptionally high luminous efficiency, the highest energy efficiency and excellent technical parameters.

The luminaire's heart is a high-performance LED light module with a lifetime of over 196,000 hours. Tytan LED Pro is distinguished by a high energy class and efficiency reaching 178 lm/W. It emits light of high homogeneity (SDCM ≤ 3) and is characterised by IK09 mechanical impact resistance and IP67 ingress protection.

178 max.
lm/W

196 Lifespan
.000 h



Tytan LED family



different versions

- 01 **Tytan LED Pro**
The highest quality and efficiency
- 02 **Tytan Multi LED**
4-step luminous flux and power control:
- 03 **Tytan 2 LED**
Versatility of applications
- 04 **Tytan 2 LED Endura**
Thermal resistance meaning more possibilities
- 05 **Tytan 2 LED Hall**
Narrow light distribution
- 06 **Tytan 2 LED Chemo**
Chemical resistance thanks to PCT-G
- 07 **Tytan 2 LED 24-48V**
Luminaire for low voltage installations
- 08 **Tytan 2 LED Basic**
Versatility of applications
- 09 **Tytan 2 LED Basic Multi**
4-step luminous flux and power control:

Even better use of the luminaire's capabilities thanks to non-standard solutions.

Efficiency and innovation



The possibility to adjust the luminaire to the dedicated space is the result of thinking and design focused on the satisfaction and benefits of the investor, contractor and consumer.

The MULTI function allows you to independently control luminaire's power and luminous flux. The dedicated microswitch allows to independently choose the level of luminous flux/luminaire power. The priority may be to obtain a sufficiently high value of the luminous flux or to save electricity. This solution is particularly useful in places, where the use of the illuminated space changes, and along with it, the standards and lighting needs change as well.

The Tytan 2 LED family uses an innovative solution consisting in integrating the diffuser with the LED module. As a result, the assembly and quick replacement of the entire light module is facilitated. This is especially important in the case of service or efficient modernisation of lamps over the years - changes to more modern solutions, without the need to disassemble the entire lamps.

16
combinations



Easy to replace LED module

For time savings and the convenience of installers and service personnel, diffuser suspension system integrated with the mounting panel has been used.



Greater versatility

Thanks to a dedicated microswitch, the MULTI function allows you to independently control luminaire's power and luminous flux.



Mounting tolerance 100 mm

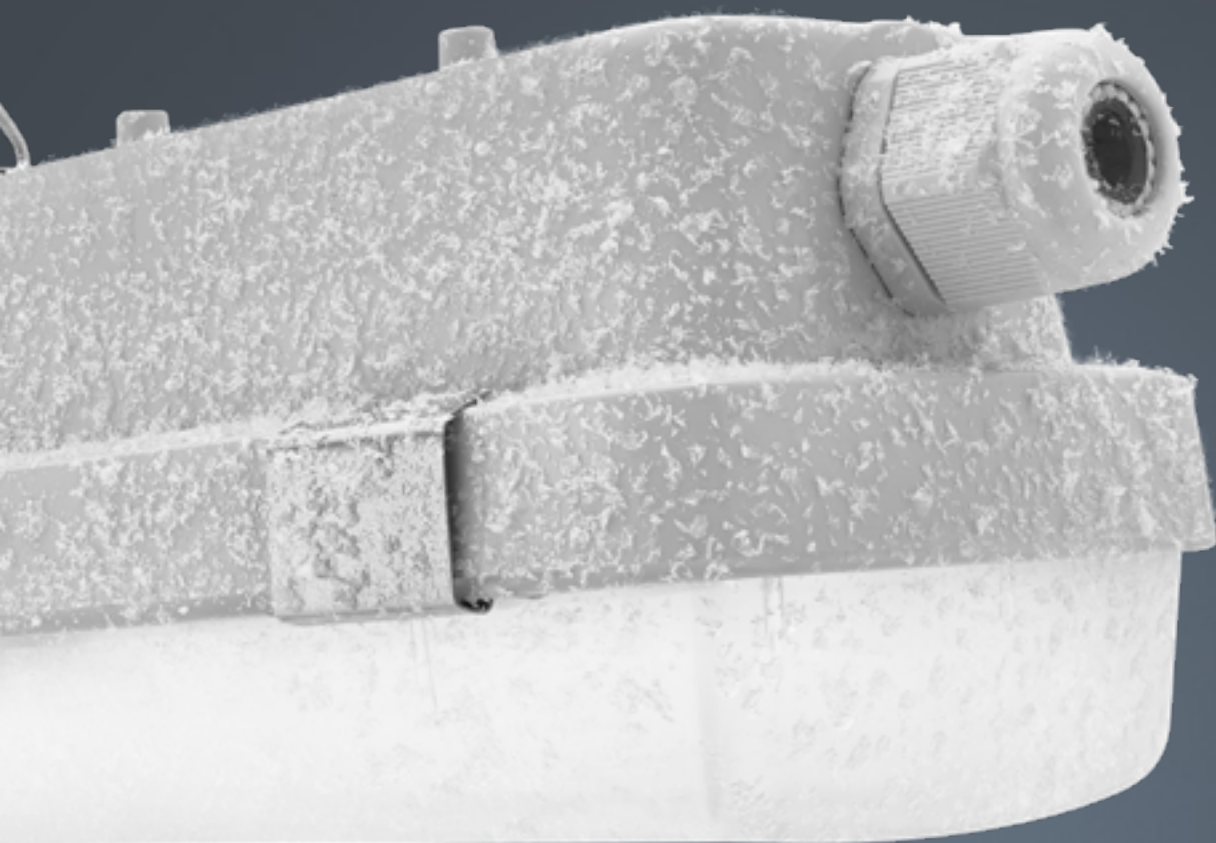
Adjustable brackets with a mounting tolerance of +/- 50 mm, facilitating and accelerating the process of surface mounting



Quick connectors

Rapid-A or Rapid-D quick connectors make connecting power supply extremely quick and easy without the need to open the luminaire.

———— Tytan LED **family**



Hermetic and durable

Tytan 2 LED luminaires can be successfully used in areas with increased humidity and dust. Thanks to the implemented design solutions, they are characterised by IP66 and IP67 ingress protection (PRO and MULTI LED). The base and diffuser are made of polycarbonate, providing the luminaires with very high IK09 impact resistance.

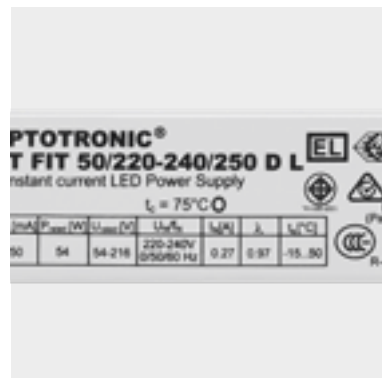
IP66

There is an option to prevent unauthorised interference with the interior of the luminaire.

IP67

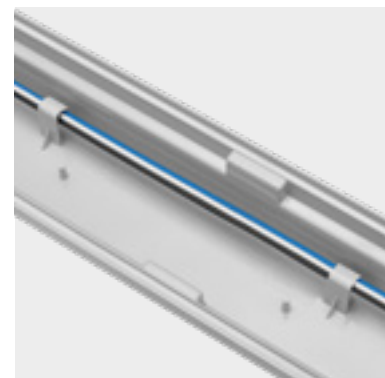
Thanks to the applied security measures, Tytan 2 LED luminaires can be successfully used at stadiums, parking lots and underground passages, and other places where the risk of damage is increased.

IK09



Branded components

Top-quality branded components ensure reliable operation and minimise maintenance costs.



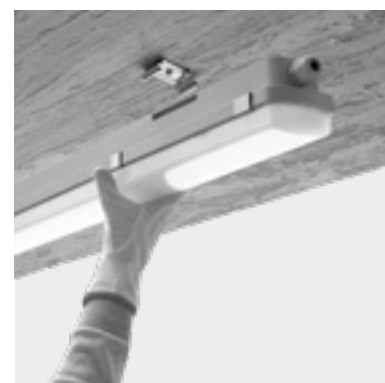
Guide rail brackets

Specially designed brackets enable leading the cables in an orderly manner.



Easy connection

The possibility of connecting the power supply from several sides makes assembly easier, even in hard-to-reach places.



Comfortable and adjustable surface mounting

The use of suspended lighting module, quick connectors and a bracket with mounting tolerance helps save time during assembly and maintenance of the luminaires.

Knowledge and experience



- 01 High energy efficiency up to 86%
- 02 Easier and faster mounting: diffuser suspension system, quick connector, RAPID-A/D
- 03 Intelligent lighting control: RCR, DIMM-DALI
- 04 Very high ingress protection and resistance to mechanical damage
- 05 Up to 5 years warranty, PZH and HACCP certified



Tytan LED Pro

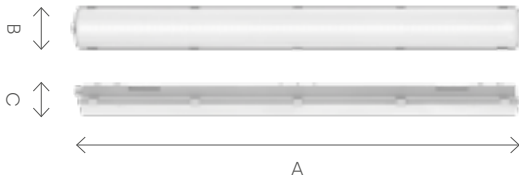
max.
178 lm/W IP66 IK09 |

Light source:	LED module
Rated power [W]:	14 – 75
Luminous flux [lm]:	2500 – 12000
Colour temperature [K]:	4000
Mounting method:	surface, suspended

Body material:	PC
Body colour:	grey
Diffuser material:	PC
Diffuser type:	MATT
Dimensions A/B/C [mm]:	1152/85/80, 1432/85/80

Distinguishing features:

- Very high efficiency (>170lm/W)
- High impact resistance and ingress protection
- Easy and simple installation
- Replaceable light module
- Branded components, INOX clips
- Large range of mounting tolerance +/- 50 mm



The use of Tytan Pro luminaires in a warehouse hall



The use of Tytan LED Multi luminaires in a warehouse hall



Tytan Multi LED

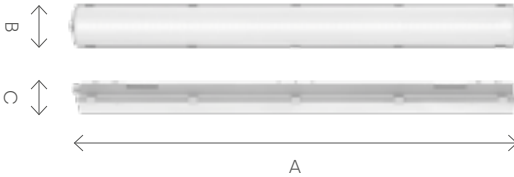
max.
175 lm/W IP67 IK09 |

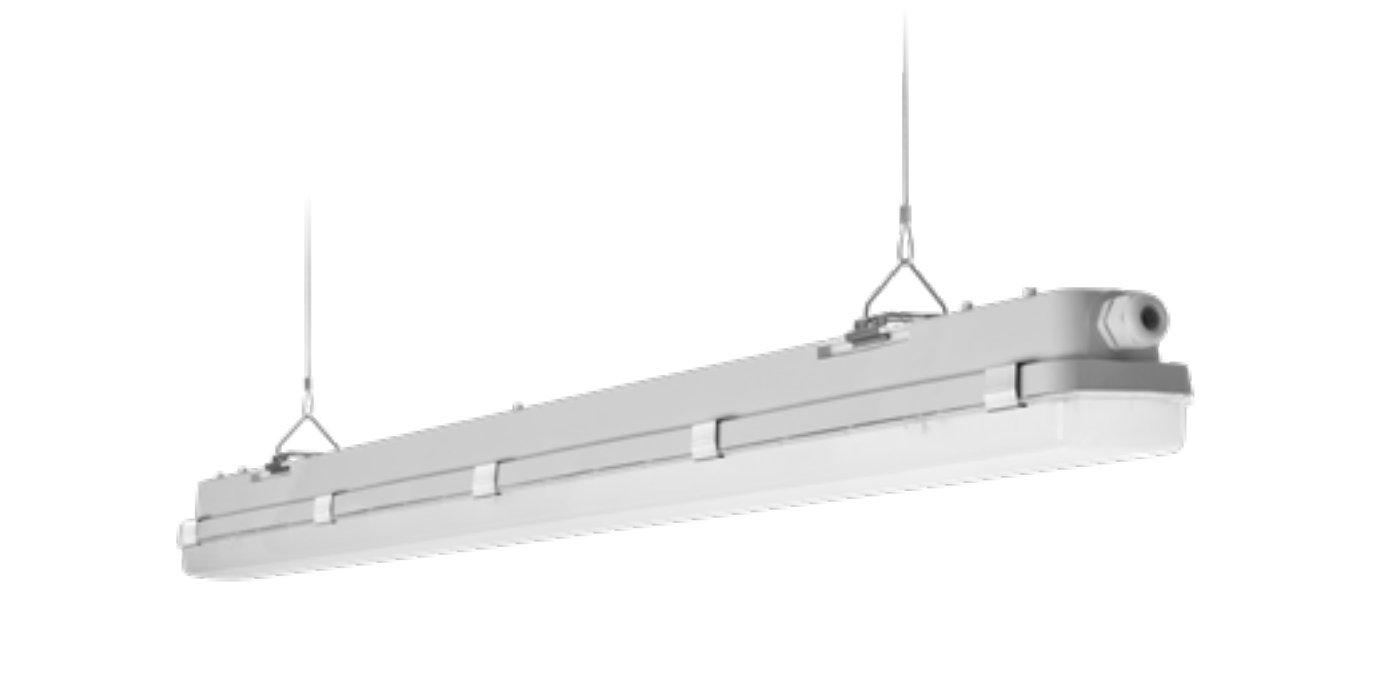
Light source:	LED module
Rated power [W]:	14 - 25, 17 - 31, 28 - 50, 35 - 63
Luminous flux [lm]:	2500 - 4350, 3150 - 5450, 5000 - 8700, 6300 - 10900
Colour temperature [K]:	4000
Mounting method:	surface, suspended

Body material:	PC
Body colour:	grey
Diffuser material:	PC
Diffuser type:	MATT
Dimensions A/B/C [mm]:	1152/85/80, 1432/85/80

Distinguishing features:

- Possibility to adjust power and luminous flux
- Very high efficiency (>170lm/W)
- High energy efficiency
- High ingress protection
- Replaceable light module





Tytan 2 LED

— Different variants available depending on the application

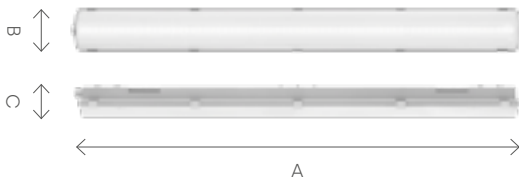
Light source:	LED module
Rated power [W]:	17 - 74
Luminous flux [lm]:	2650 - 11300
Colour temperature [K]:	3000, 4000, 5000
Mounting method:	surface, suspended

Body material:	PC
Body colour:	grey
Diffuser material:	PC
Diffuser type:	MATT
Dimensions A/B/C [mm]:	1152/85/80, 1432/85/80

max.
161 lm/W IP66 IK09 I, II

Luminaire's distinguishing features and variants:

- Very high efficiency
- High impact resistance and ingress protection



Underground garage in Nowe Ptasie Apartament Park – Katowice.



The use of Tytan 2 LED Endura luminaires in a warehouse hall



-40°C to +60°C

Tytan 2 LED Endura

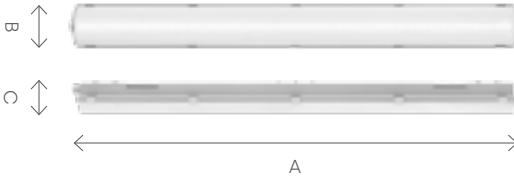
max.
155 lm/W IP66 IK09 |

Light source:	LED module
Rated power [W]:	32 - 76
Luminous flux [lm]:	4750 - 11300
Colour temperature [K]:	4000
Mounting method:	surface, suspended

Body material:	PC
Body colour:	grey
Diffuser material:	PC
Diffuser type:	MATT
Dimensions A/B/C [mm]:	1152/85/80, 1432/85/80

Distinguishing features:

- Resistance to a wide range of temperatures
- It features new solutions improving light distribution and temperature balance
- High luminous efficiency: 155 lm/W
- High energy efficiency
- The luminaire body and diffuser are resistant to UV radiation





Tytan 2 LED Hall

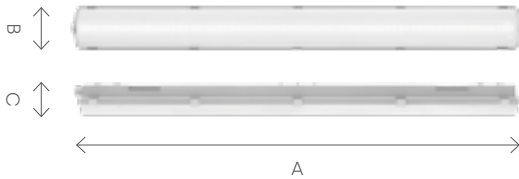
max.
144 lm/W IP66 IK09 |

Light source:	LED module
Rated power [W]:	58 - 72
Luminous flux [lm]:	8200-10400
Colour temperature [K]:	3000; 4000
Mounting method:	surface, suspended

Body material:	PC
Body colour:	grey
Diffuser material:	PC
Diffuser type:	transparent
Dimensions A/B/C [mm]:	1152/85/80, 1432/85/80

Luminaire's distinguishing features and variants:

- Dedicated to high-bay warehouses (up to 12 m)
- High energy efficiency
- Colour rendering index: Ra> 80
- SDCM ≤ 3
- 3 dedicated optics: 60°, 70° and 90°



The use of Tytan 2 LED Hall luminaires in a warehouse hall



The use of Tytan Multi LED Chemo luminaires in a warehouse hall



Tytan 2 LED Chemo

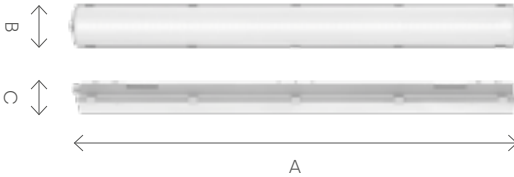
max.
155 lm/W IP66 IK09 |

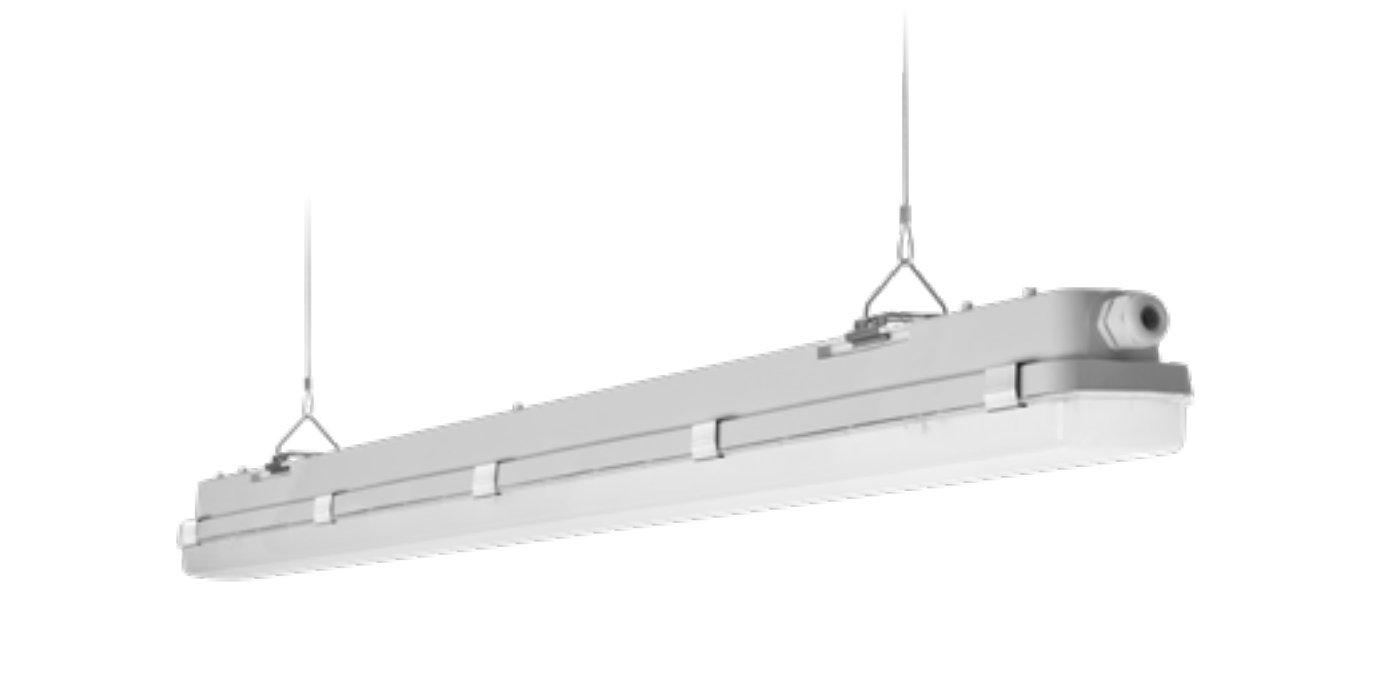
Light source:	LED module
Rated power [W]:	30 - 74
Luminous flux [lm]:	4550 - 11300
Colour temperature [K]:	4000
Mounting method:	surface, suspended

Body material:	ABS
Body colour:	grey
Diffuser material:	PCT-G
Diffuser type:	MATT
Dimensions A/B/C [mm]:	1152/85/80, 1432/85/80

Distinguishing features:

- Body resistant to ammonia – recommended for use in animal husbandry
- The diffuser material is GREENGUARD certified
- Very high efficiency
- High energy efficiency
- High ingress protection





Tytan 2 LED 24-48V

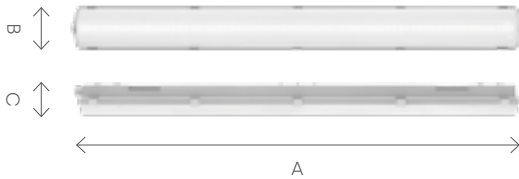
max.
115 lm/W IP66 IK09 III

Light source:	LED module
Rated power [W]:	24
Luminous flux [lm]:	2750
Colour temperature [K]:	4000
Mounting method:	surface, suspended

Body material:	PC
Body colour:	grey
Diffuser material:	PC
Diffuser type:	MATT
Dimensions A/B/C [mm]:	1152/85/80

Luminaire's distinguishing features and variants:

- Dedicated to low-voltage 24-48V AC/DC installations
- Very high efficiency
- High impact resistance and ingress protection



The use of Tytan 2 LED 24-48V luminaires in a garage hall



The use of Tytan 2 LED UGR luminaires in an office



Tytan 2 LED UGR

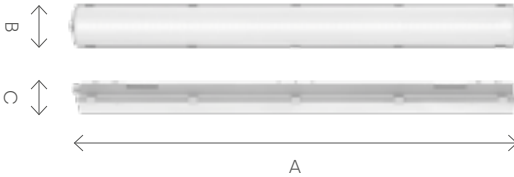
max.
132 lm/W IP66 IK09 |

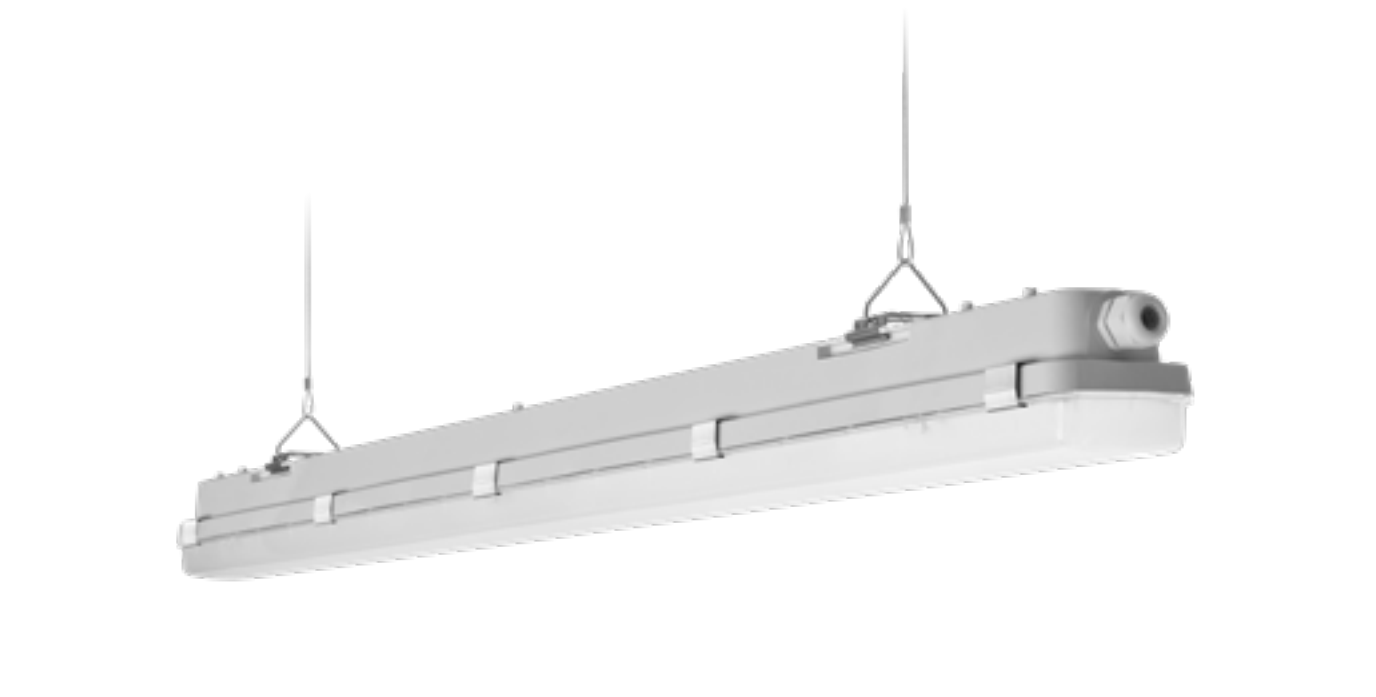
Light source:	LED module
Rated power [W]:	31 - 45
Luminous flux [lm]:	4100 - 5300
Colour temperature [K]:	4000
Mounting method:	surface, suspended

Body material:	ABS
Body colour:	grey
Diffuser material:	PC
Diffuser type:	transparent
Dimensions A/B/C [mm]:	1152/85/80

Distinguishing features:

- Low UGR 9-13 guarantees high comfort of work
- Very high efficiency
- High energy efficiency
- High ingress protection





Tytan 2 LED Basic

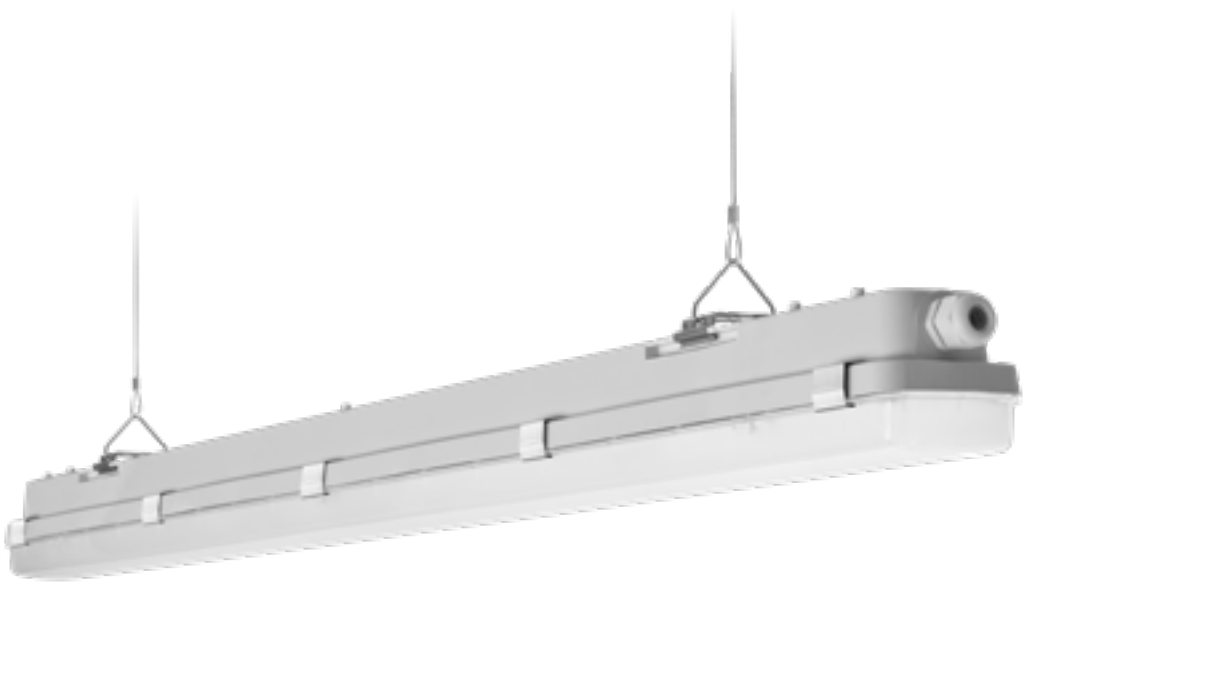
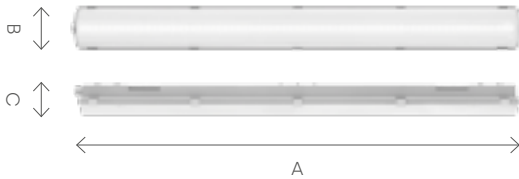
max.
143 lm/W IP66 IK09 |

Light source:	LED module
Rated power [W]:	31 - 74
Luminous flux [lm]:	4300 - 10600
Colour temperature [K]:	4000
Mounting method:	surface, suspended

Body material:	PC
Body colour:	grey
Diffuser material:	PC
Diffuser type:	MATT
Dimensions A/B/C [mm]:	1152/85/80, 1432/85/80

Luminaire's distinguishing features and variants:

- Recommended for lighting public utility, commercial and service-providing facilities
- High energy efficiency
- The luminaire body and diffuser are resistant to UV radiation



Tytan 2 LED Basic Multi

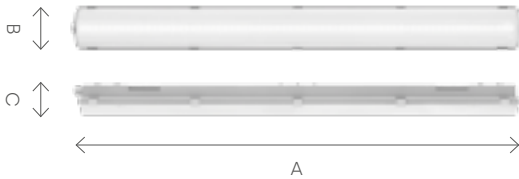
max.
158 lm/W IP66 IK09 |

Light source:	LED module
Rated power [W]:	19 - 62
Luminous flux [lm]:	2500 - 7300
Colour temperature [K]:	4000
Mounting method:	surface, suspended

Body material:	PC
Body colour:	grey
Diffuser material:	PC
Diffuser type:	MATT
Dimensions A/B/C [mm]:	1152/85/80

Luminaire's distinguishing features and variants:

- We offer 4 luminaires that allow for 16 combinations/versions of power and luminous flux
- Very high efficiency
- Colour rendering index: Ra> 80
- High impact resistance and ingress protection





Light under control

Lighting control systems are comfortable, give a sense of comfort, save time, but above all optimise processes and are energy-saving and environmentally friendly.

Clue In was created for us – people and for our planet. So you can use Clue In wherever you need light: for work, study, rest, recovery or entertainment. Light scenes created with Clue In affect well-being and concentration.

What **Clue In** offers?

energy savings

scalability – from one room to the entire integrated multi-building complex

selection of lighting dedicated for specific tasks

easily and quickly changeable light scenes depending on the type of performed work

automatic modification of lighting depending on the time of day and external conditions

adaptation of lighting to room's occupancy level

In industry and sports facilities, they will improve safety, in offices and schools, they will increase the level of perception, in hospitals they will help people recover, and in hotels they will ensure a good mood. Adaptation of lighting to weather conditions, time of day or the occupancy of rooms, brings measurable benefits in the form of optimal energy use and reduction of greenhouse gas emissions.

Web app



Smartphone app



Lighting in a production hall

The investor has modernised the lighting in the production hall.

Facility dimensions: 20 m x 30 m (600 m²), luminaire mounting height: 7 m.

Due to the functional purpose of the space, a lighting level of 300 lx on the work surface was required.

Due to the 16-hour mode of lamp usage duration, energy efficiency was the most important criterion for their selection. Another condition for choosing the product was its reliability, because each downtime in the production process generates unnecessary costs.

So far, the facility has been fitted with 2x58W EVG fluorescent luminaires. Considering investor's key requirements, we proposed replacing traditional luminaires with Tytan LED Pro 40W 4000K 7500lm IP66.

63.0%

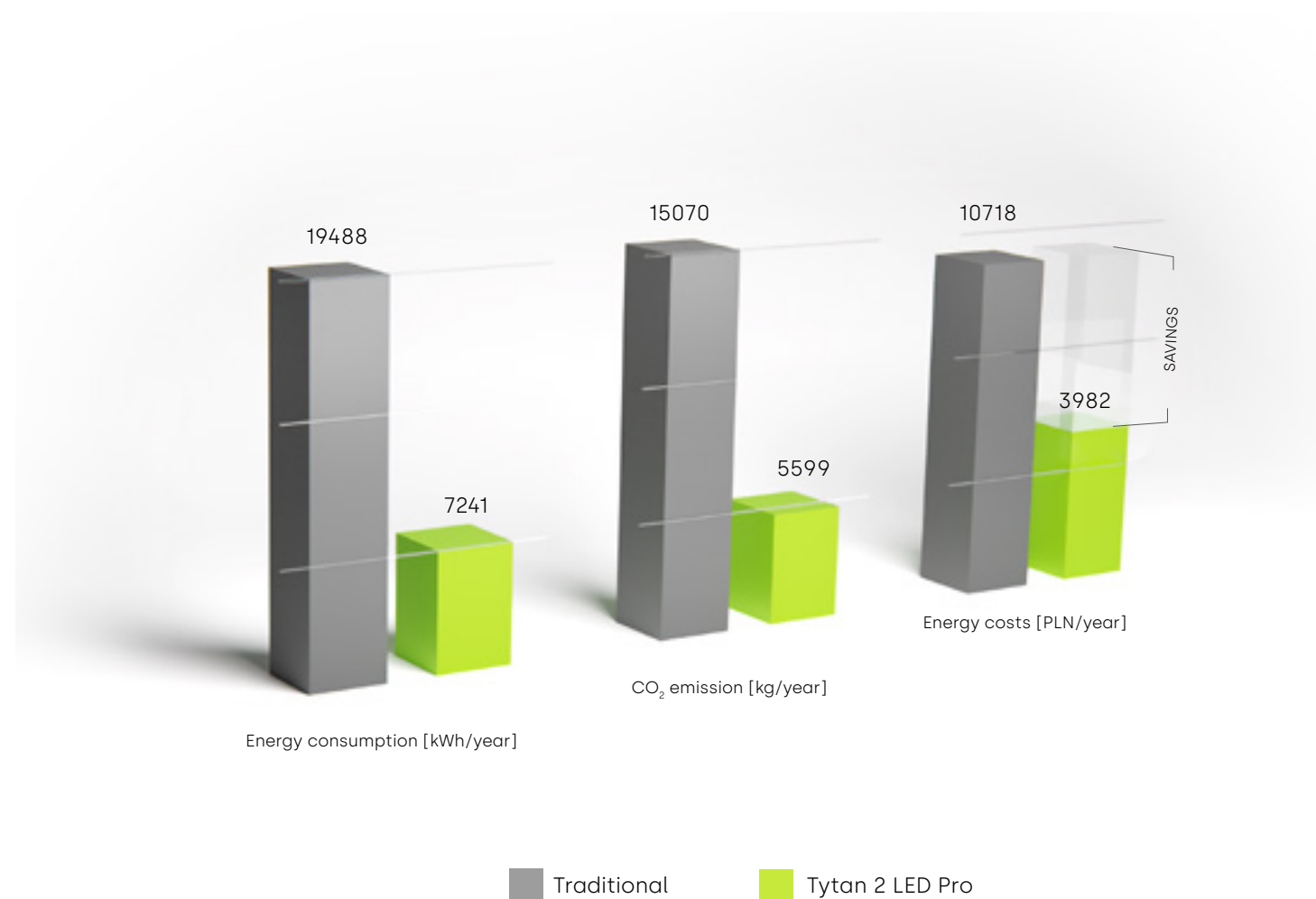
energy savings

3 years

return on investment



Comparison of energy consumption and costs



The comparative analysis has shown multiple benefits resulting from using LED luminaires. According to the proposed design, the same number of luminaires were installed, but during the use of Tytan LED PRO luminaires a significant reduction in costs has been observed.

This is due to the reduction in electricity consumption by 63% and minimisation of luminaire servicing costs (e.g. replacement of traditional sources), made possible through fitting the LEDs with modern LED light modules, characterised by a long-lasting period of operation. The cost of purchasing Tytan LED Pro luminaires is offset by a reduction in the cost of electricity and pays back in less than 3 years. After that period, the investor will experience a constant and dynamic increase in profits due to their use.

Basic assumptions:

The luminaire's lighting time is 16 hours per day; price for 1 kWh = PLN 0.55 (EUR 0.128); market cost of lamps according to the knowledge of Lena Lighting S.A.; lamp replacement frequency – according to the declared service life.

Available versions

Pro

Nominal power [W]	Colour temperature [K]	Luminous flux [lm]	Diffuser type	RCR sensor	DIMM DALI	Through wiring	Cable – type	Dimensions (H/W/D) [mm]	Class	Index
Tytan 2 LED PRO 13W										
13	4000	2500	MATT	-	-	-	-	1152/85/80	B	389009
13	4000	2500	MATT	-	-	LS2	5x1.5	1152/85/80	B	389023
13	4000	2500	MATT	Yes	-	-	-	1152/85/80	B	389047
13	4000	2500	MATT	-	Yes	-	-	1152/85/80	B	389283
Tytan 2 LED PRO 29W										
29	4000	5450	MATT	-	-	-	-	1432/85/80	B	389160
29	4000	5450	MATT	-	-	LS2	5x1.5	1432/85/80	B	389177
29	4000	5450	MATT	Yes	-	-	-	1432/85/80	B	389184
29	4000	5450	MATT	-	Yes	-	-	1432/85/80	B	389320
Tytan 2 LED PRO 47W										
47	4000	8700	MATT	-	-	-	-	1152/85/80	B	389092
47	4000	8700	MATT	-	-	LS2	5x1.5	1152/85/80	B	389115
47	4000	8700	MATT	Yes	-	-	-	1152/85/80	B	389139
47	4000	8700	MATT	-	Yes	-	-	1152/85/80	B	389313
Tytan 2 LED PRO 70W										
70	4000	12000	MATT	-	-	-	-	1432/85/80	B	389351
70	4000	12000	MATT	-	-	LS2	5x1.5	1432/85/80	B	389368
70	4000	12000	MATT	Yes	-	-	-	1432/85/80	B	389375
70	4000	12000	MATT	-	Yes	-	-	1432/85/80	B	389399

Intermediate versions are also available in all variants shown: length 1152 mm: 24W, 4350lm and 40W, 7000lm and length 1432 mm: 33W 6300lm and 59W 10900lm. Details and data sheet available on our website.

2 LED

Nominal power [W]	Colour temperature [K]	Luminous flux [lm]	Diffuser type	RCR sensor	DIMM DALI	Through wiring	Cable – type	Dimensions (H/W/D) [mm]	Class	Index
TYTAN 2 LED 16W										
16	4000	2650	MATT	-	-	LS2	5x1.5	1152/85/80	C	941016
16	4000	2650	MATT	-	-	LS2	5x2.5	1152/85/80	C	941023
16	4000	2650	MATT	Yes	-	-	-	1152/85/80	C	941047
16	4000	2650	MATT	-	-	-	-	1152/85/80	C	909702
16	4000	2650	MATT	-	Yes	-	-	1152/85/80	C	941009
TYTAN 2 LED 28W										
28	4000	4550	MATT	-	-	LS2	5x1.5	1152/85/80	C	941061
28	4000	4550	MATT	-	-	LS2	5x2.5	1152/85/80	C	941078
28	4000	4550	MATT	Yes	-	-	-	1152/85/80	C	941092
28	4000	4550	MATT	-	-	-	-	1152/85/80	C	909719
28	4000	4550	MATT	-	Yes	-	-	1152/85/80	C	941054

All versions also available in 3000K (16W, 2450lm and 28W, 4150lm) and 5000K (16W, 2650lm and 28W, 4550lm).

Available versions

Multi

Nominal power [W]	Colour temperature [K]	Luminous flux [lm]	Diffuser type	RCR sensor	Through wiring	Cable – type	Dimensions (H/W/D) [mm]	Class	Index
TYTAN MULTI LED 13/17/20/24									
13/17/20/24	4000	2500/3150/3750/4350	MATT	-	-	-	1152/85/80	B	358777
13/17/20/24	4000	2500/3150/3750/4350	MATT	-	LS2	5x1.5	1152/85/80	B	358784
13/17/20/24	4000	2500/3150/3750/4350	MATT	Yes	-	-	1152/85/80	B	358791
TYTAN MULTI LED 16/21/25/29									
16/21/25/29	4000	3150/3900/4700/5450	MATT	-	-	-	1432/85/80	B	358852
16/21/25/29	4000	3150/3900/4700/5450	MATT	-	LS2	5x1.5	1432/85/80	B	358869
16/21/25/29	4000	3150/3900/4700/5450	MATT	Yes	-	-	1432/85/80	B	358876
TYTAN MULTI LED 26/33/40/47									
26/33/40/47	4000	5000/6250/7500/8700	MATT	-	-	-	1152/85/80	B	358814
26/33/40/47	4000	5000/6250/7500/8700	MATT	-	LS2	5x1.5	1152/85/80	B	358821
26/33/40/47	4000	5000/6250/7500/8700	MATT	Yes	-	-	1152/85/80	B	358838
TYTAN MULTI LED 33/41/50/59									
33/41/50/59	4000	6300/7850/9350/10900	MATT	-	-	-	1432/85/80	B	358890
33/41/50/59	4000	6300/7850/9350/10900	MATT	-	LS2	5x1.5	1432/85/80	B	358906
33/41/50/59	4000	6300/7850/9350/10900	MATT	Yes	-	-	1432/85/80	B	358913

2 Endura

Nominal power [W]	Colour temperature [K]	Luminous flux [lm]	Type of diffuser	Through wiring	Cord – type	Working temperature [°C]	Dimensions (H/W/D) [mm]	Class	Index
TYTAN 2 LED ENDURA MINUS									
55	4000	9050	MATT	-	-	-40 to +45	1152/85/80	C	911507
55	4000	9050	MATT	LS2	5x1.5	-40 to +45	1152/85/80	C	911514
69	4000	11300	MATT	-	-	-40 to +45	1432/85/80	C	911521
69	4000	11300	MATT	LS2	5x1.5	-40 to +45	1432/85/80	C	911538
TYTAN 2 LED ENDURA PLUS									
28	4000	4750	MATT	-	-	-40 to +60	1152/85/80	C	909801
28	4000	4750	MATT	LS2	5x1.5	-40 to +60	1152/85/80	C	909818
35	4000	5950	MATT	-	-	-40 to +60	1432/85/80	C	909849
35	4000	5950	MATT	LS2	5x1.5	-40 to +60	1432/85/80	C	909856
43	4000	7050	MATT	-	-	-40 to +60	1152/85/80	C	909825
43	4000	7050	MATT	LS2	5x1.5	-40 to +60	1152/85/80	C	909832
49	4000	8200	MATT	-	-	-40 to +60	1432/85/80	C	909863
49	4000	8200	MATT	LS2	5x1.5	-40 to +60	1432/85/80	C	909870

Available versions

Nominal power [W]	Colour temperature [K]	Luminous flux [lm]	Diffuser type	RCR sensor	DIMM DALI	Cable – type	Dimensions (H/W/D) [mm]	Class	Index
TYTAN 2 LED 35W									
35	4000	5650	MATT	-	-	-	1432/85/80	C	909740
35	4000	5650	MATT	-	-	5x1.5	1432/85/80	C	941283
35	4000	5650	MATT	-	-	5x2.5	1432/85/80	C	941290
35	4000	5650	MATT	Yes	-	-	1432/85/80	C	941313
35	4000	5650	MATT	-	Yes	-	1432/85/80	C	941276
TYTAN 2 LED 42W									
42	4000	7050	MATT	-	-	5x1.5	1432/85/80	C	941337
42	4000	7050	MATT	-	-	5x2.5	1432/85/80	C	941344
42	4000	7050	MATT	Yes	-	-	1432/85/80	C	941368
42	4000	7050	MATT	-	-	-	1432/85/80	C	909757
42	4000	7050	MATT	-	Yes	-	1432/85/80	C	941320
TYTAN 2 LED 47W									
47	4000	7850	MATT	-	-	5x1.5	1152/85/80	C	941115
47	4000	7850	MATT	-	-	5x2.5	1152/85/80	C	941146
47	4000	7850	MATT	Yes	-	-	1152/85/80	C	941160
47	4000	7850	MATT	-	-	-	1152/85/80	C	909726
47	4000	7850	MATT	-	Yes	-	1152/85/80	C	941108
TYTAN 2 LED 55W									
55	4000	9050	MATT	-	-	-	1152/85/80	C	909733
55	4000	9050	MATT	-	-	5x1.5	1152/85/80	C	941184
55	4000	9050	MATT	-	-	5x2.5	1152/85/80	C	941191
55	4000	9050	MATT	Yes	-	-	1152/85/80	C	941214
55	4000	9050	MATT	-	Yes	-	1152/85/80	C	941177
TYTAN 2 LED 69W									
69	4000	11300	MATT	-	-	-	1432/85/80	C	909764
69	4000	11300	MATT	-	-	5x1.5	1432/85/80	C	941238
69	4000	11300	MATT	-	-	5x2.5	1432/85/80	C	941245
69	4000	11300	MATT	Yes	-	-	1432/85/80	C	941269
69	4000	11300	MATT	-	Yes	-	1432/85/80	C	941221

All versions also available in 3000K (16W, 2450lm; 28W, 4150lm; 35W, 5200lm; 42W, 6550lm; 47W, 7300lm; 55W, 8400lm; 69W, 10500lm) and 5000K (16W, 2650lm; 28W, 4550lm; 35W, 5650lm; 42W, 7050lm; 47W, 4850lm; 55W, 9050lm; 69W, 11300lm).

Available versions

Hall

Nominal power [W]	Working temperature [K]	Luminous flux [lm]	Light distribu- tion	DIMM DALI	Dimensions (H/W/D) [mm]	Class	Index
TYTAN 2 LED HALL 58W							
58	4000	8200	60	-	1152/85/80	C	367014
58	4000	8250	70	-	1152/85/80	C	367021
58	4000	8350	90	-	1152/85/80	C	367038
58	4000	8200	60	Yes	1152/85/80	C	367045
58	4000	8250	70	Yes	1152/85/80	C	367052
58	4000	8350	90	Yes	1152/85/80	C	367069
58	4000	8200	60	-	1152/85/80	C	367076
58	4000	8250	70	-	1152/85/80	C	367083
58	4000	8350	90	-	1152/85/80	C	367090
TYTAN 2 LED HALL 72W							
72	4000	10200	60	-	1432/85/80	C	367137
72	4000	10300	70	-	1432/85/80	C	367144
72	4000	10400	90	-	1432/85/80	C	367151
72	4000	10200	60	Yes	1432/85/80	C	367168
72	4000	10300	70	Yes	1432/85/80	C	367175
72	4000	10400	90	Yes	1432/85/80	C	367182
72	4000	10200	60	-	1432/85/80	C	367199
72	4000	10300	70	-	1432/85/80	C	367205
72	4000	10400	90	-	1432/85/80	A+	367212

Chemo

Nominal power [W]	Colour tem- perature [K]	Luminous flux [lm]	Diffuser type	DIMM DALI	Cord – type	Dimensions (H/W/D) [mm]	Class	Index
TYTAN 2 LED CHEMO 28W								
28	4000	4550	MATT	-	-	1152/85/80	C	942501
28	4000	4550	MATT	-	5x2.5	1152/85/80	C	942563
28	4000	4550	MATT	-	5x1.5	1152/85/80	C	942556
28	4000	4550	MATT	Yes	-	1152/85/80	C	942549
TYTAN 2 LED CHEMO 35W								
35	4000	5650	MATT	-	-	1432/85/80	C	942525
35	4000	5650	MATT	-	5x2.5	1432/85/80	C	942655
35	4000	5650	MATT	-	5x1.5	1432/85/80	C	942648
35	4000	5650	MATT	Yes	-	1432/85/80	C	942631
TYTAN 2 LED CHEMO 47W								
47	4000	7850	MATT	-	-	1152/85/80	C	942518
47	4000	7850	MATT	-	5x2.5	1152/85/80	C	942594
47	4000	7850	MATT	-	5x1.5	1152/85/80	C	942587
47	4000	7850	MATT	Yes	-	1152/85/80	C	942570
TYTAN 2 LED CHEMO 69W								
69	4000	11300	MATT	-	-	1432/85/80	C	942532
69	4000	11300	MATT	-	5x2.5	1432/85/80	C	942624
69	4000	11300	MATT	-	5x1.5	1432/85/80	C	942617
69	4000	11300	MATT	Yes	-	1432/85/80	C	942600

Available versions

Basic Multi

Nominal power [W]	Working temperature [K]	Luminous flux [lm]	Diffuser type	RCR sensor	Through wiring	AW module	Dimensions (H/W/D) [mm]	Index
TYTAN 2 LED BASIC MULTI 19/23/28/33								
19/23/28/33	4000	2500-3850	MATT	-	-	-	1152/85/80	940842
19/23/28/33	4000	2500-3850	MATT	Yes	-	-	1152/85/80	940859
19/23/28/33	4000	2500-3850	MATT	-	LS2	-	1152/85/80	940866
19/23/28/33	4000	2500-3850	MATT	-	-	Yes	1152/85/80	940873
TYTAN 2 LED BASIC MULTI 30/38/46/53								
30/38/46/53	4000	4200-6300	MATT	-	-	-	1152/85/80	940880
30/38/46/53	4000	4200-6300	MATT	Yes	-	-	1152/85/80	940897
30/38/46/53	4000	4200-6300	MATT	-	LS2	-	1152/85/80	940903
30/38/46/53	4000	4200-6300	MATT	-	-	Yes	1152/85/80	940910
TYTAN 2 LED BASIC MULTI 34/43/52/62								
34/43/52/62	4000	4800-7300	MATT	-	-	-	1152/85/80	940927
34/43/52/62	4000	4800-7300	MATT	Yes	-	-	1152/85/80	940934
34/43/52/62	4000	4800-7300	MATT	-	LS2	-	1152/85/80	940941
34/43/52/62	4000	4800-7300	MATT	-	-	Yes	1152/85/80	940958
TYTAN 2 LED BASIC MULTI 23/29/34/40								
23/29/34/40	4000	3050-4750	MATT	-	-	-	1432/85/80	940965
23/29/34/40	4000	3050-4750	MATT	Yes	-	-	1432/85/80	940972
23/29/34/40	4000	3050-4750	MATT	-	LS2	-	1432/85/80	940989
23/29/34/40	4000	3050-4750	MATT	-	-	Yes	1432/85/80	940996

Basic

Nominal power [W]	Working temperature [K]	Luminous flux of diffuser [lm]	Dimensions (H/W/D) [mm]	Class	Index
TYTAN 2 LED BASIC 30W					
30	4000	3900	1152/85/80	C	908736
TYTAN 2 LED BASIC 43W					
43	4000	5850	1152/85/80	C	908743
TYTAN 2 LED BASIC 44W					
44	4000	6250	1432/85/80	C	909900
TYTAN 2 LED BASIC 50W					
50	4000	6800	1152/85/80	C	908750
TYTAN 2 LED BASIC 75W					
75	4000	10000	1432/85/80	C	908767

24-48V

Nominal power [W]	Working temperature [K]	Luminous flux of diffuser [lm]	Diffuser type	Dimensions (H/W/D) [mm]	Class	Index
19	4000	2750	MATT	1152/85/80	C	355165

Accessories available

01 / 07



Light modules

Thanks to the use of a replaceable light module, the luminaire is easier to install and service, or upgrade to more modern solutions. It is not necessary to dismantle entire luminaires.

02 / 07



Adjustable bracket (2 pieces)

The adjustable bracket facilitates installation and adjustment of the luminaire's mounting angle in relation to the surface.

03 / 07



Protective grid – 1152 mm

The protective grid additionally protects the luminaire against mechanical impacts. It is particularly useful in places exposed to such situations, e.g. in production or warehouse halls.

04 / 07



Protective grid – 1432 mm

The protective grid additionally protects the luminaire against mechanical impacts. It is particularly useful in places exposed to such situations, e.g. in production or warehouse halls.

05 / 07



IP68 cable gland

Cable gland protecting against the negative influence of air-borne moisture. Especially recommended for outdoor installations, with constant and high air humidity or in places with significant humidity fluctuations.

06 / 07



M16 cable gland plug

Cable gland plug changes the function of the loop-through cable gland, which when inserted turns into the end gland. It can be used e.g. for the last luminaire in a loop-through connection (LS2).

07 / 07



Cable gland with a PG 13.5 nut

The availability of an additional gland allows, for example, to change the place of power supply connection or create a linear connection of those versions of luminaires that were not originally adapted for this purpose.

Accessories available

Luminaire version	Index
Light modules	
TYTAN 2 LED	
1150mm 2450lm 830	941856
1150mm 2650lm 840	941375
1150mm 2650lm 850	942358
1150mm 4150lm 830	941863
1150mm 4550lm 840	941382
1150mm 4550lm 850	942365
1450mm 5250lm 830	941887
1450mm 5650lm 840	941405
1450mm 5650lm 850	942389
1450mm 6550lm 830	941894
1450mm 7050lm 840	941412
1450mm 7050lm 850	942396
1150mm 7300/8400lm 830	941870
1150mm 7850/9050lm 840	941399
1150mm 7850/9050lm 850	942372
1150mm 7300/8400lm 830	941870
1150mm 7850/9050lm 840	941399
1150mm 7850/9050lm 850	942372
1450mm 10500lm 830	941900
1450mm 11300lm 840	941429
1450mm 11300lm 850	942402
TYTAN 2 LED 24-48 V	
1150mm 2650lm 840	941375
TYTAN 2 LED BASIC	
1150mm 3900lm 840	367267
1150mm 5850lm 840	367274
1450mm 6250lm 840	367304
1150mm 6800lm 840	367281
1450mm 10000lm 840	367298

Luminaire version	Index
TYTAN 2 LED CHEMO	
1150mm 4550lm 840	367311
1450mm 5650lm 840	367342
1150mm 7850lm 840	367328
1450mm 11300lm 840	367335
TYTAN 2 LED ENDURA MINUS	
1150mm 7850/9050lm 840	941399
1450mm 11300lm 840	941429
TYTAN 2 LED ENDURA PLUS	
1150mm 7850/9050lm 840	941399
1450mm 5650lm 840	941405
1150mm 7850/9050lm 840	941399
1450mm 11300lm 840	941429
TYTAN 2 LED HALL	
1150mm 8200lm 60D 840	367106
1150mm 8250lm 70D 840	367113
1150mm 8350lm 90D 840	367120
1450mm 10200lm 60D 840	367229
1450mm 10300lm 70D 840	367236
1450mm 10400lm 90D 840	367243

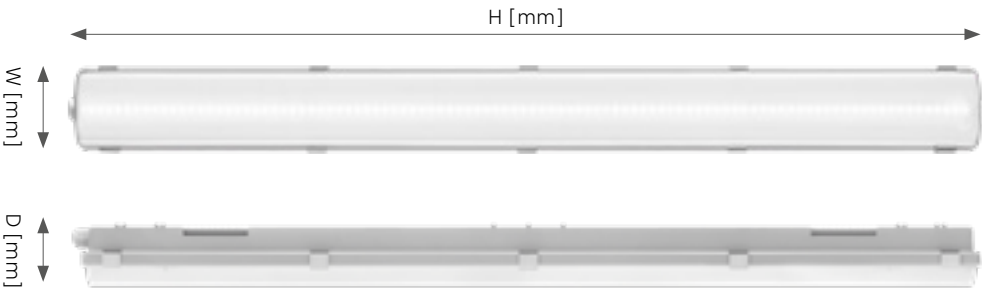
Other

Name	Index
Adjustable bracket (2 pieces)	908200
Protective grid – 1152 mm	907913
Protective grid – 1432 mm	907920
IP68 cable gland	16000507
M16 cable gland plug	60000006
Cable gland with a PG 13.5 nut	80000378



Tytan 2 LED packaging is stable and durable. It has been designed to perfectly fit the dimensions of the pallet. Thanks to this, it is possible to transport a large number of products on one pallet, which significantly reduces the costs of transport.

128 pcs
on one pallet



Pallet optimisation



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