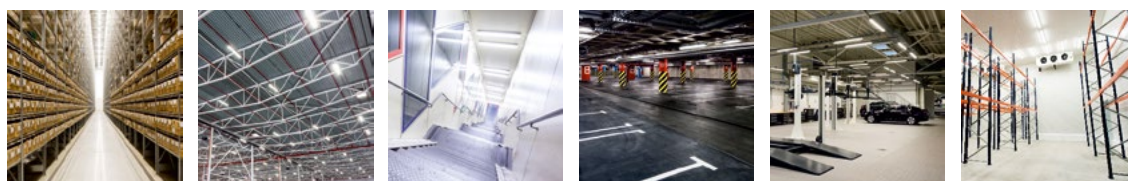




# TYTAN LED



NEXT GEN



# Fitting of new generation



## Meet our TYTAN LED

Using the latest technology and specialized knowledge of our experts, we are proud to enrich our offer with a new generation fitting for industrial use – TYTAN LED.

This fitting is constructed for LED technology. TYTAN LED represents the generation of NEXT GEN fittings with very high luminous flux, the highest energy-saving class (A++) and excellent technical parameters. Top product quality and safety as well as compliance with European EN standards attested to by an ENEC certificate.





# 150 lm/W

## SDCM $\leq 3$

## LED GO!

## A<sup>++</sup>



"Our aim during creating and designing the fitting was to achieve not only excellent, but unique lighting parameters with no harm for aesthetics or ergonomics. While we were designing the TYTAN LED fitting, we tried to look at it from the investor's and the contractor's points of view, considering their needs and trying to answer why they should choose TYTAN LED fitting from the offer. Savings at each stage of the investment accompanied by excellent luminous flux 150 lm/W, safety and ergonomics assurance – these are the factors giving advantage to TYTAN LED, which is just being introduced on the market."

R&D team  
Lena Lighting S.A.



# Warehouses

TYTAN LED is dedicated for industrial use. It ensures good surface illumination in all sorts of halls and lower energy consumption at the same time.

up to

# 86%

## SAVINGS!





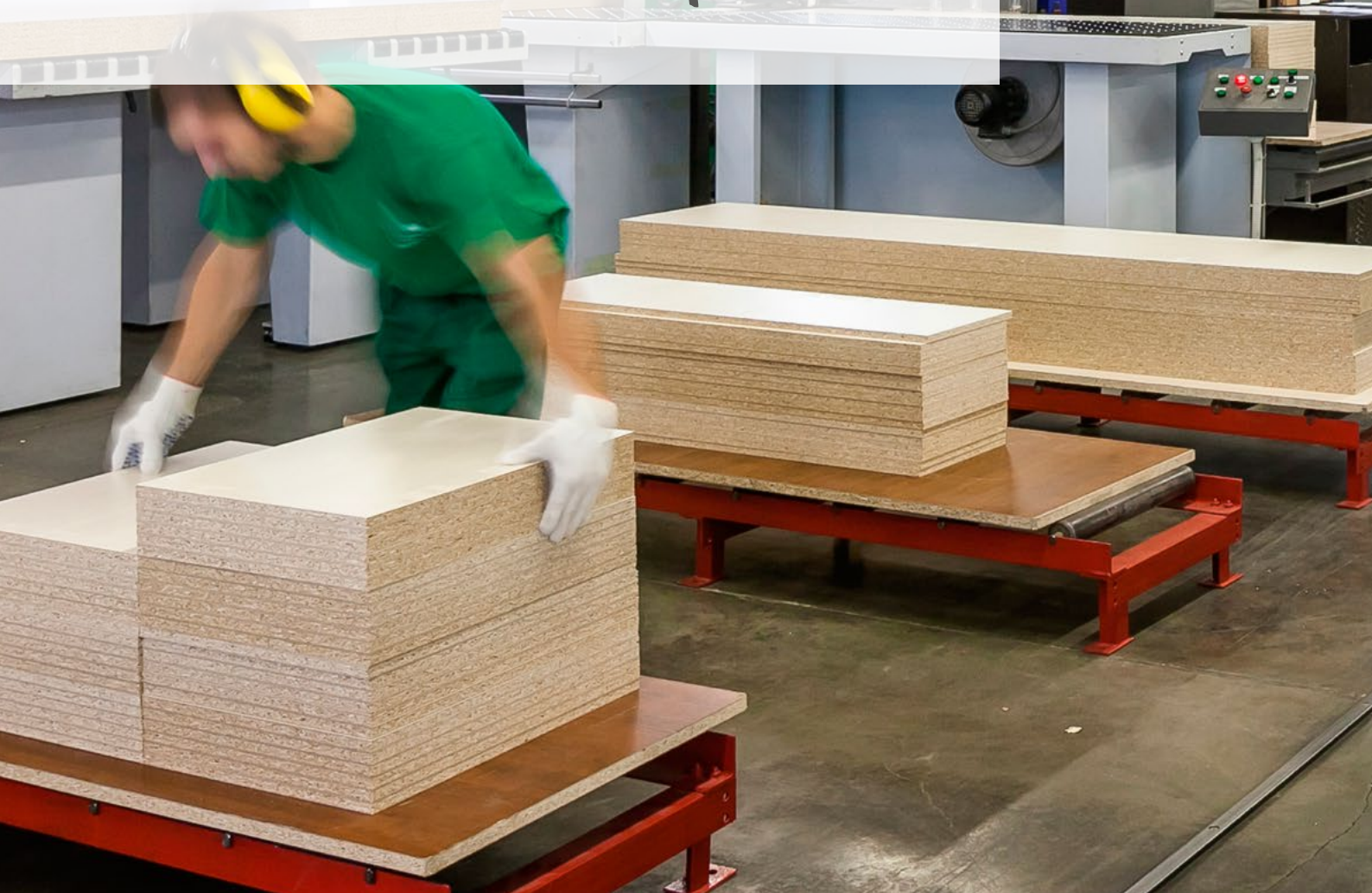


# Industrial halls

Industrial halls are perfect for using TYTAN LED fittings. Long lifespan, moisture, dust resistance and excellent lighting parameters, will result in a long and failure-free operation, as well as in savings at each stage: mounting, operation and service.

150 lm/W

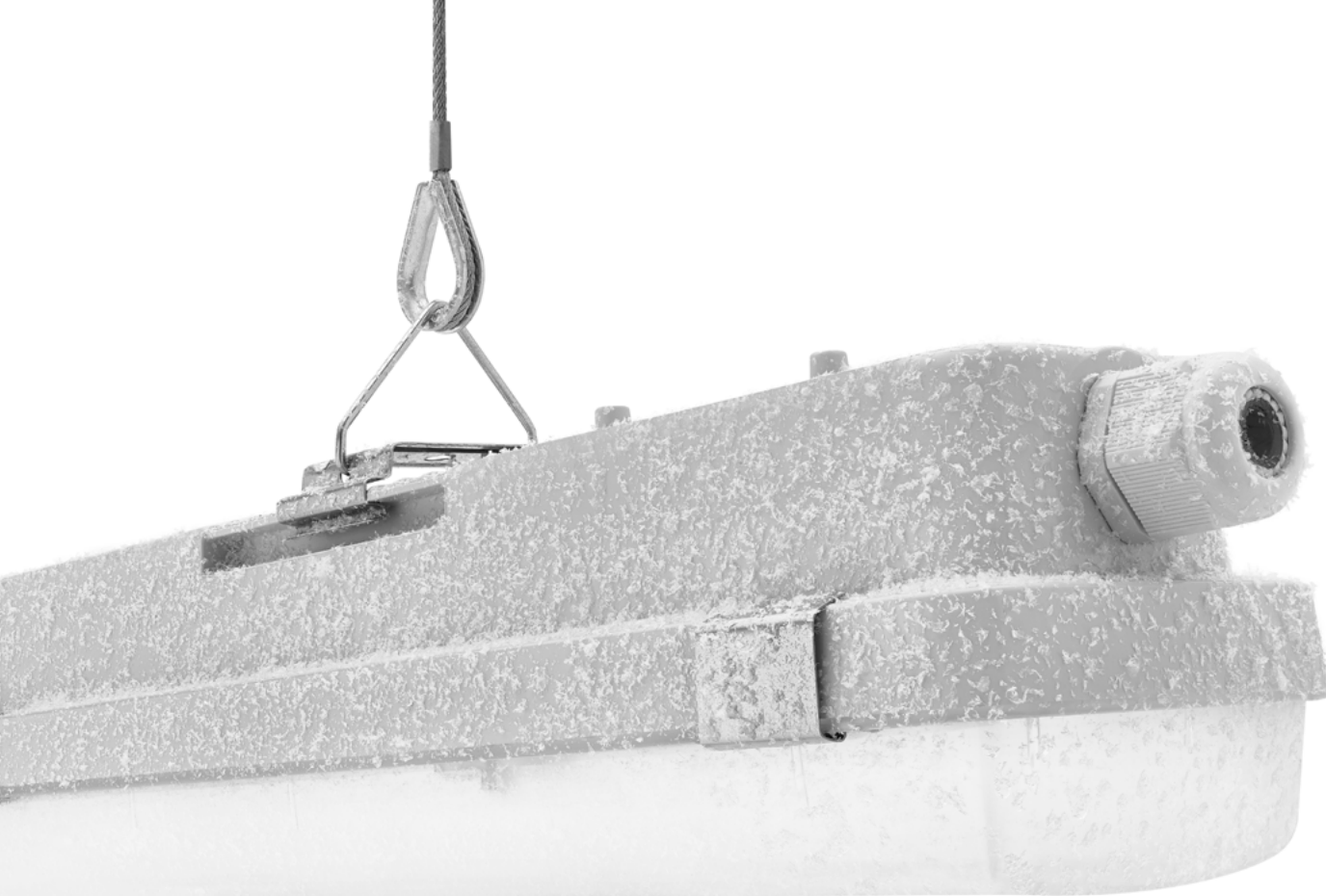
A<sup>++</sup>











# TYTAN LED ENDURA MINUS

In rooms such as cold stores, the requirements for lighting are far from standard. Only the fittings especially suited for working in such conditions can be used in rooms with cold temperatures. TYTAN LED ENDURA MINUS is a fitting designed for lighting surfaces with the temperature down to -35°C.







# TYTAN LED ENDURA PLUS

TYTAN LED ENDURA PLUS is a fitting designed for lighting surfaces with the ambient temperature up to +55°C. The unfavourable conditions of the environment do not have influence on the fitting's reliability and efficacy.









# TYTAN LED HALL

TYTAN LED HALL is dedicated for lighting high storage warehouses. Considering this application, especially designed **narrow light distribution lenses** have significant influence on reducing the cost of energy and on ensuring comfortable light.









# TYTAN LED

## with protection against unauthorized opening

In places especially exposed to mechanical damages or vandalism, it is recommended to use the lighting option with protection against unauthorized opening. With this option TYTAN LED can be successfully used in stadiums, car parks or underground passages and in every other place, where the risk of vandalism is higher.







# Temporary site lighting

Safety is one of the priorities during construction works. Perfect illumination of a building site is a necessary condition to ensure it. Combination of high luminous flux and perfect technical parameters, such as high IP, impact protection, easy assembly and power supply, make the Tytan LED serie perfect for this kind of applications.













# Fast and easy assembly

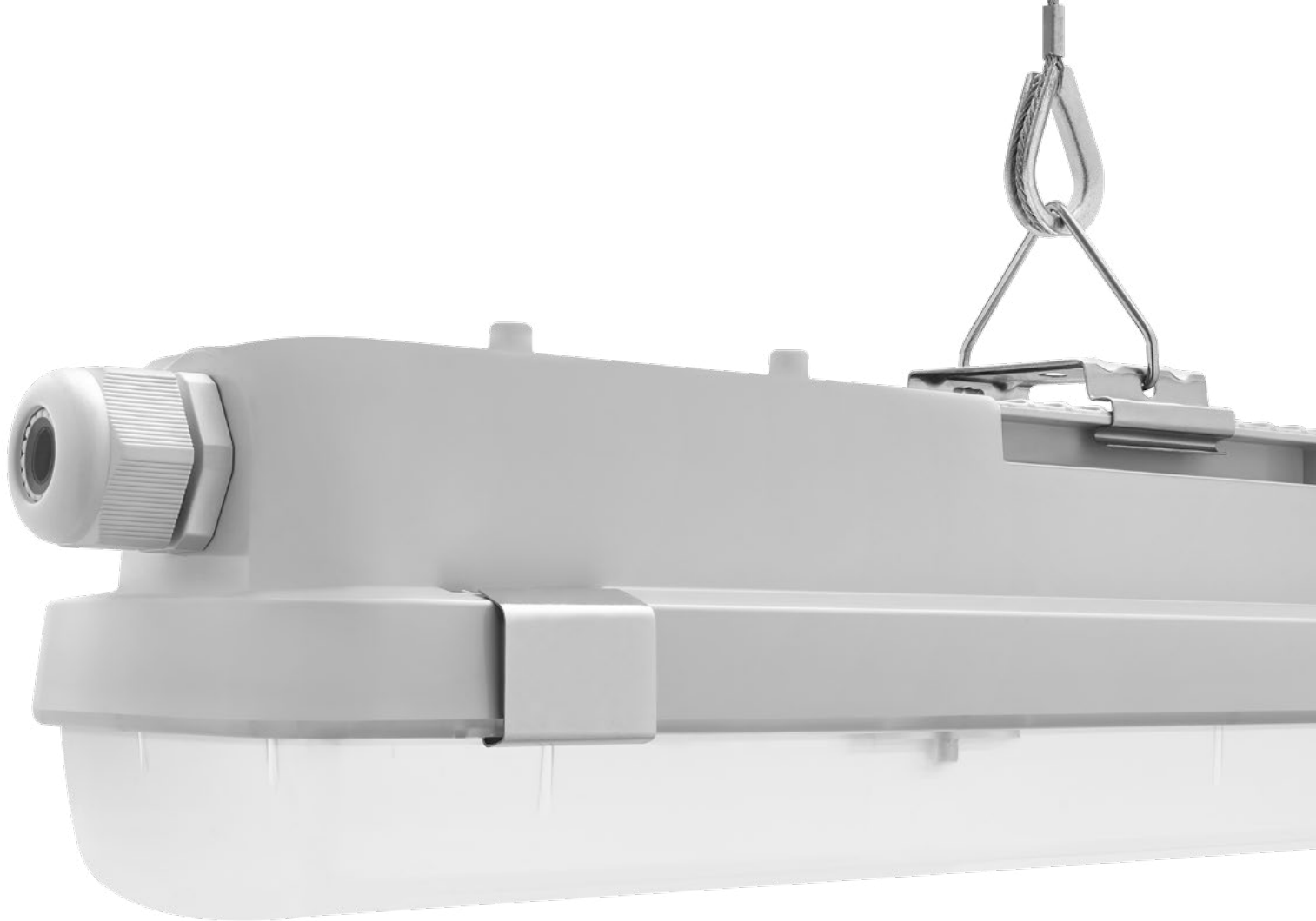
The fitting's design enables reduction of mounting time to minimum. Suspended lighting module, quick-connectors and brackets with mounting tolerance are the facilities, which have influence on saving the time during assembly and service.



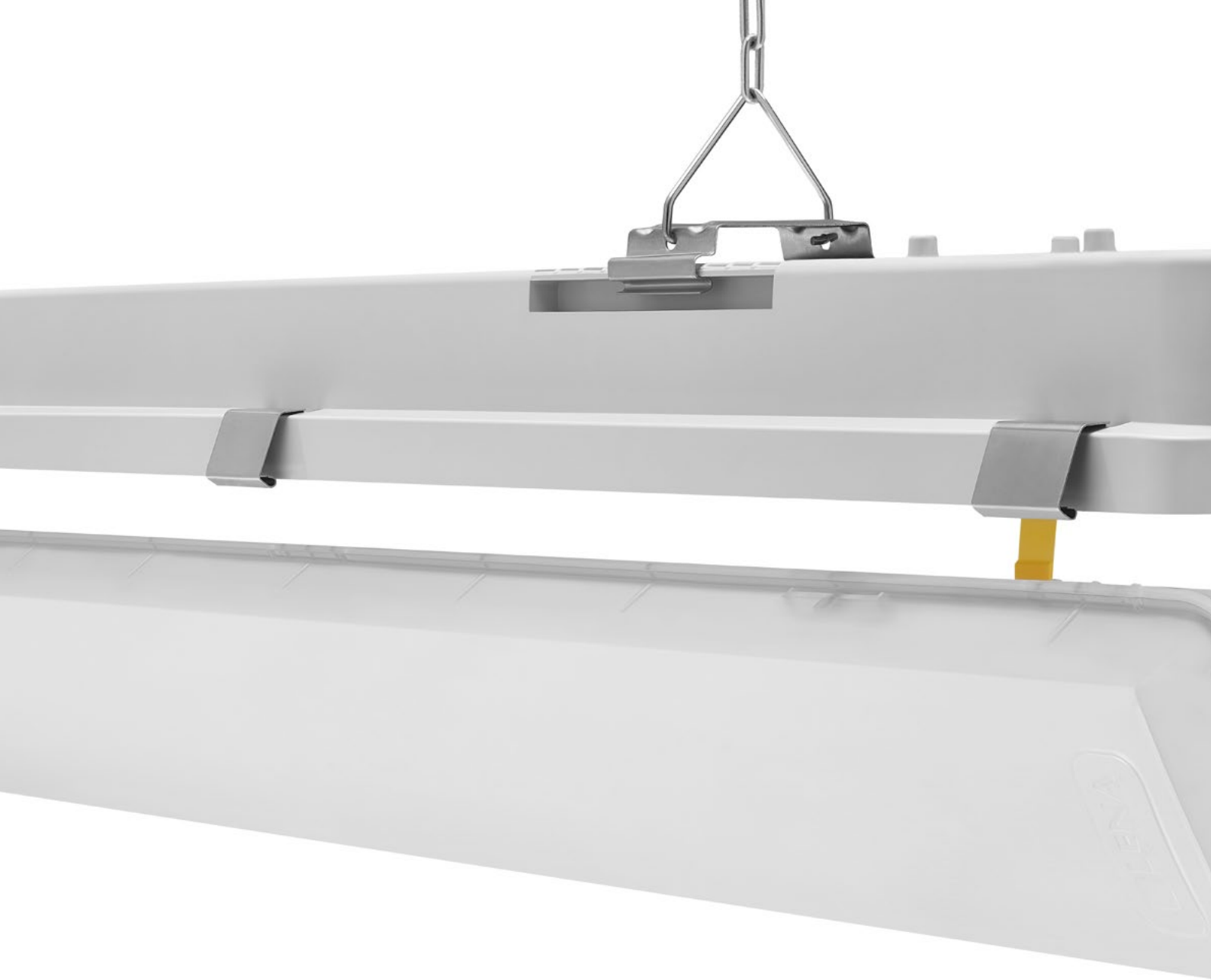
# Surface and suspended mounting

TYTAN LED is available in two lengths: 1152 mm and 1432 mm.





To make the surface mounting of the fitting maximally easy and fast, adjustable brackets with mounting tolerance of  $\pm 40$  mm are used.



# Ergonomic assembly

Suspended diffuser integrated with **LED GO!** panel

Considering time saving and comfort of the fitters and service workers, the system of suspended diffuser integrated with the mounting plate is applied. Thanks to that, it is not necessary to support or put it away during assembly and disassembly.

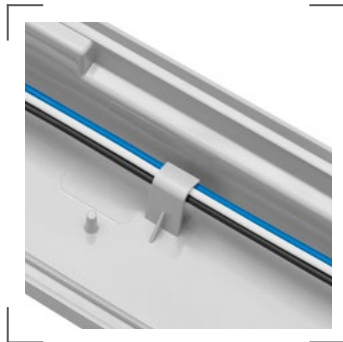




# Optics

Diffuser made of polycarbonate, dedicated for LED solutions, ensures a perfect balance between high permeability of 93% and the correct light distribution. The light is on along the whole length of the fitting, which ensures even lighting of the diffuser.

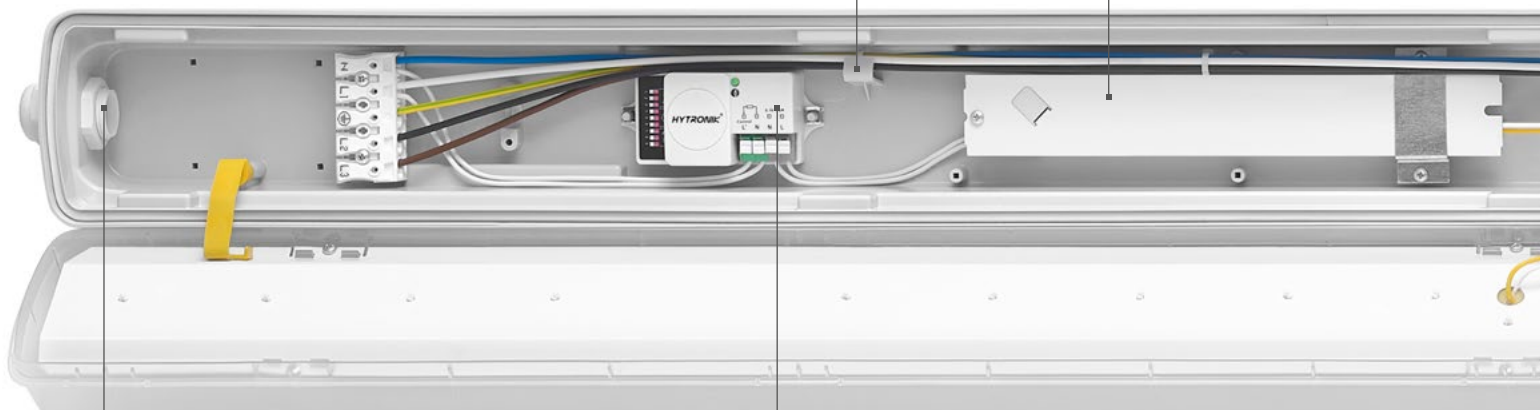
# What's



Specially designed grips enable through-wiring in a regular way.

OPTOTRONIC®									
OT FIT 50/220-240/250 D L									
Constant current LED Power Supply									
t <sub>a</sub> = 75°C									
U <sub>in</sub> [V]	I <sub>in</sub> [A]	P <sub>in</sub> [W]	U <sub>out</sub> [V]	I <sub>out</sub> [A]	P <sub>out</sub> [W]	U <sub>out</sub> [%]	η [%]	λ [nm]	λ <sub>1</sub> [nm]
220-240	0.25	54	24	2.5	60	100	97	450-480	450-480

Branded components of the highest quality ensure reliability of working and reduce costs of servicing. Option with an emergency module ensures proper lighting of evacuation routes.



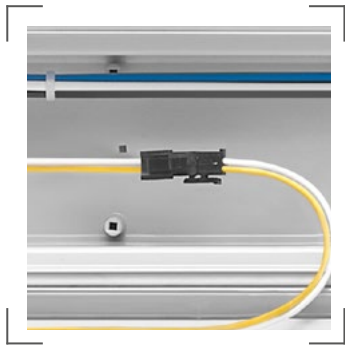
The possibility of connecting the power supply from several sides makes assembly easier, even in hard-to-reach places.



Using a microwave motion sensor (RCR) enables to provide light where and when it is necessary, which allows to save energy.



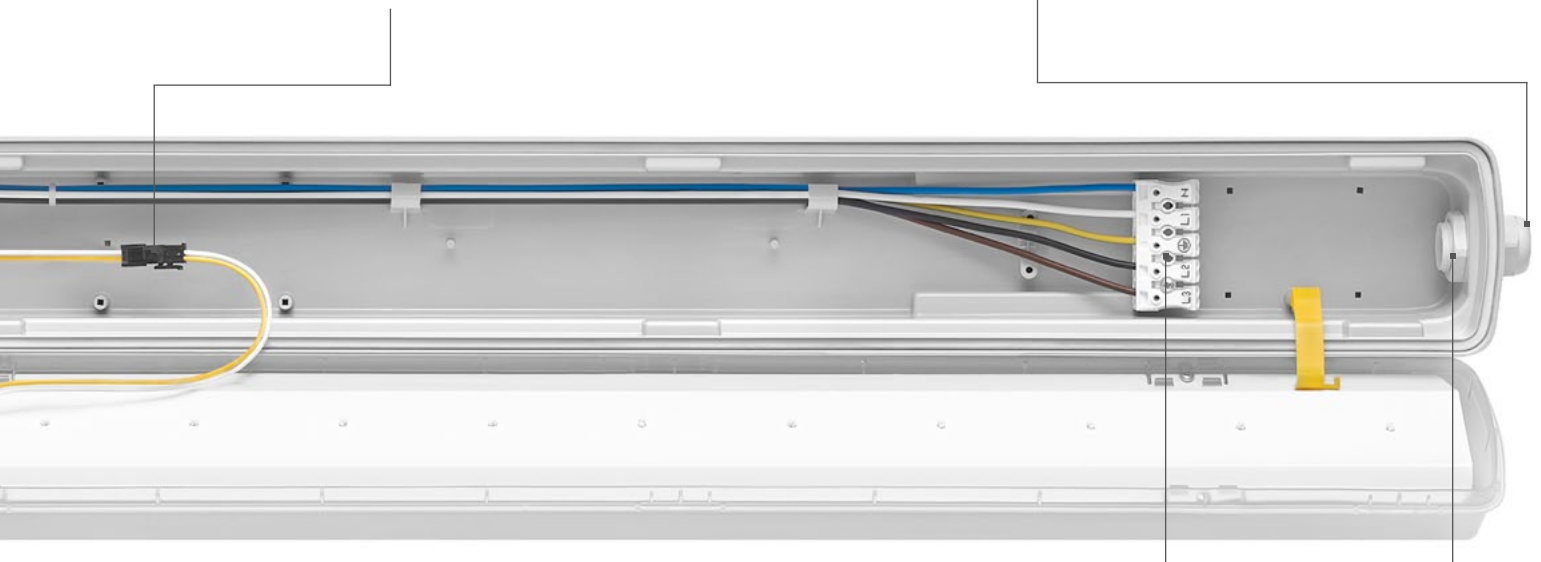
# inside?



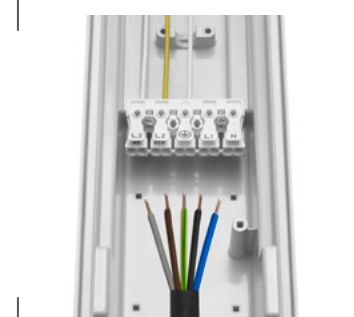
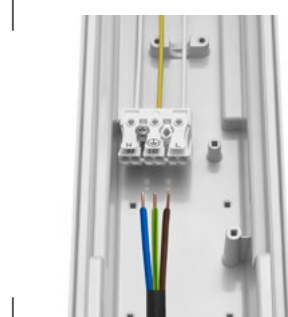
Quick connector between the lighting module and the driver makes the assembly of the fitting faster & easier.



Fast-connector in options Rapid-A and Rapid-D enables to connect the power supply extremely quickly and easily, and it doesn't require opening the fitting.



With LS2 through-wiring, the fittings can be easily connected in series.



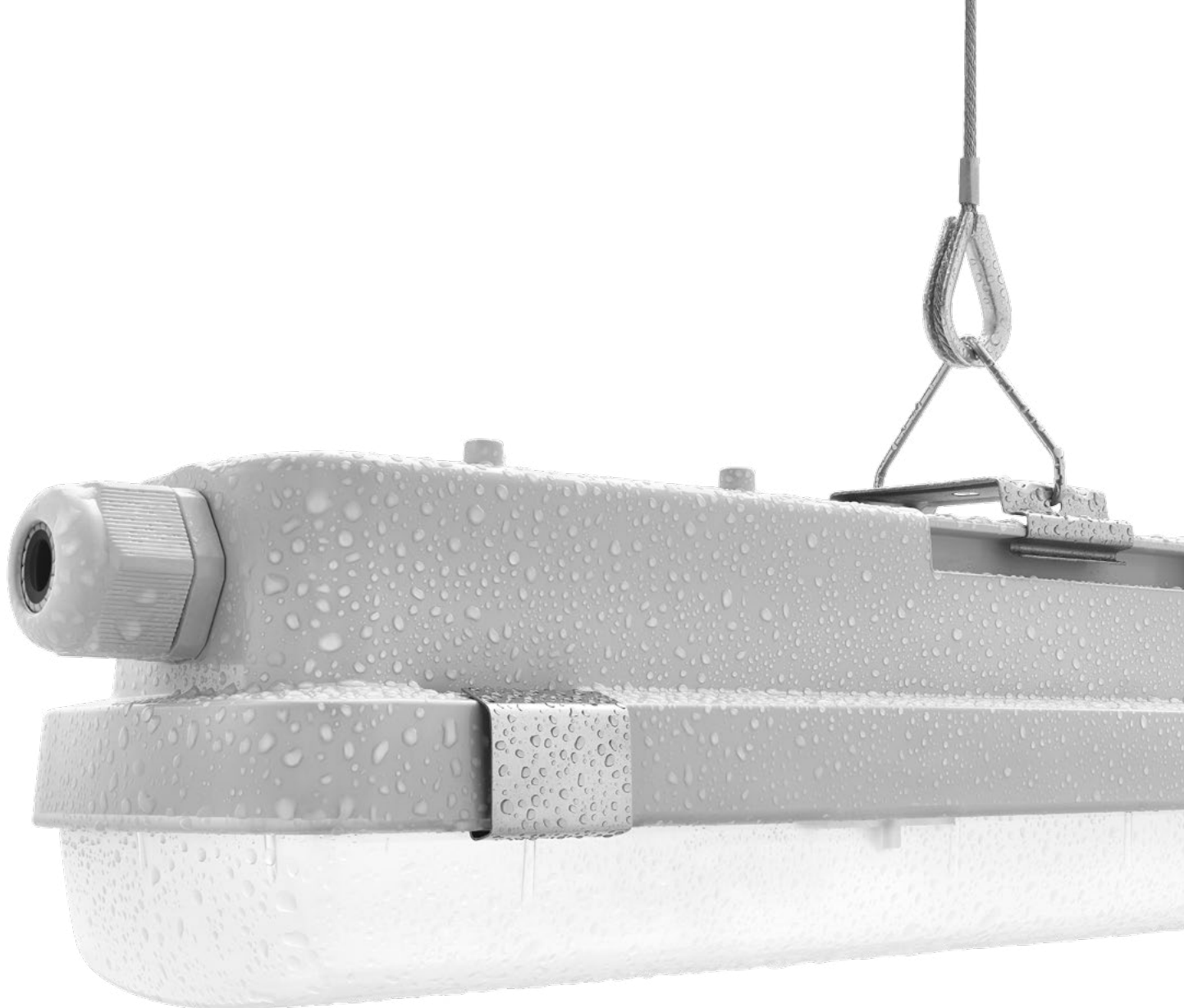
Three or five pole connectors used in the fitting enable to adjust it to specific requirements of each project (sensors, series connection).

# Impact resistance IK09

The body and diffuser made of polycarbonate ensure high impact protection class IK09.







# Ingress protection IP66

TYTAN LED fitting can be successfully used in the areas with high moisture and dust conditions. Thanks to the design solutions, it has ingress protection class IP66.

# Safe and ergonomic transport

TYTAN LED boxes are stable and durable, and they are designed to match the pallet's dimensions perfectly. Thanks to that, it is possible to transport a lot of products on one pallet, which significantly reduces the cost of transport.







# Technical details

## TYTAN LED

POWER: 16W

Rated power [W]	Colour temperature [K]	Total luminous flux* [lm]	Diffuser	EEL	Motion sensor	Dimensions A/B/C [mm]	Weight [kg]	Index
16	3000	2300	MAT	A++	-	1152/85/80	1,4	907531
16	4000	2500	MAT	A++	-	1152/85/80	1,4	907548
16	3000	2300	MAT	A++	+	1152/85/80	1,5	907555
16	4000	2500	MAT	A++	+	1152/85/80	1,5	907562

POWER: 29W

Rated power [W]	Colour temperature [K]	Total luminous flux* [lm]	Diffuser	EEL	Motion sensor	Dimensions A/B/C [mm]	Weight [kg]	Index
29	3000	4200	MAT	A++	-	1152/85/80	1,4	906503
29	4000	4500	MAT	A++	-	1152/85/80	1,4	906091
29	3000	4200	MAT	A++	+	1152/85/80	1,5	906084
29	4000	4500	MAT	A++	+	1152/85/80	1,5	906176

POWER: 35W

Rated power [W]	Colour temperature [K]	Total luminous flux* [lm]	Diffuser	EEL	Motion sensor	Dimensions A/B/C [mm]	Weight [kg]	Index
35	3000	5200	MAT	A++	-	1432/85/80	1,7	906541
35	4000	5500	MAT	A++	-	1432/85/80	1,7	906633
35	3000	5200	MAT	A++	+	1432/85/80	1,8	906626
35	4000	5500	MAT	A++	+	1432/85/80	1,8	906718

POWER: 43W

Rated power [W]	Colour temperature [K]	Total luminous flux* [lm]	Diffuser	EEL	Motion sensor	Dimensions A/B/C [mm]	Weight [kg]	Index
43	3000	6500	MAT	A++	-	1432/85/80	1,7	907425
43	4000	7000	MAT	A++	-	1432/85/80	1,7	907333
43	3000	6500	MAT	A++	+	1432/85/80	1,8	907500
43	4000	7000	MAT	A++	+	1432/85/80	1,8	907418

POWER: 46W

Rated power [W]	Colour temperature [K]	Total luminous flux* [lm]	Diffuser	EEL	Motion sensor	Dimensions A/B/C [mm]	Weight [kg]	Index
46	3000	7000	MAT	A++	-	1152/85/80	1,4	906367
46	4000	7400	MAT	A++	-	1152/85/80	1,4	906459
46	3000	7000	MAT	A++	+	1152/85/80	1,5	906442
46	4000	7400	MAT	A++	+	1152/85/80	1,5	906534

POWER: 56W

Rated power [W]	Colour temperature [K]	Total luminous flux* [lm]	Diffuser	EEL	Motion sensor	Dimensions A/B/C [mm]	Weight [kg]	Index
56	3000	8600	MAT	A++	-	1152/85/80	1,4	906183
56	4000	9000	MAT	A++	-	1152/85/80	1,4	906275
56	3000	8600	MAT	A++	+	1152/85/80	1,5	906268
56	4000	9000	MAT	A++	+	1152/85/80	1,5	906350

POWER: 70W

Rated power [W]	Colour temperature [K]	Total luminous flux* [lm]	Diffuser	EEL	Motion sensor	Dimensions A/B/C [mm]	Weight [kg]	Index
70	3000	10300	MAT	A++	-	1432/85/80	1,7	906725
70	4000	10900	MAT	A++	-	1432/85/80	1,7	906817
70	3000	10300	MAT	A++	+	1432/85/80	1,8	906800
70	4000	10900	MAT	A++	+	1432/85/80	1,8	906893



# TYTAN LED ENDURA MINUS

POWER: 56W / 70W

Rated power [W]	Colour temperature [K]	Total luminous flux* [lm]	Diffuser	EEL	Dimensions A/B/C [mm]	Weight [kg]	Index
56	4000	9000	MAT	A++	1152/85/80	1,5	358043
70	4000	10900	MAT	A++	1432/85/80	1,8	358050

# TYTAN LED ENDURA PLUS

POWER: 26W / 33W

Rated power [W]	Colour temperature [K]	Total luminous flux* [lm]	Diffuser	EEL	Dimensions A/B/C [mm]	Weight [kg]	Index
26	4000	4350	MAT	A++	1152/85/80	1,5	358029
33	4000	5550	MAT	A++	1432/85/80	1,8	358036

# TYTAN LED HALL

POWER: 56W

Rated power [W]	Colour temperature [K]	Total luminous flux* [lm]	Diffuser	EEL	Motion sensor	Dimensions A/B/C [mm]	Weight [kg]	Index
56	3000	7350	MAT	A++	-	1152/85/80	1,4	906909
56	4000	7800	MAT	A++	-	1152/85/80	1,4	906992
56	3000	7350	MAT	A++	+	1152/85/80	1,5	906985
56	4000	7800	MAT	A++	+	1152/85/80	1,5	907074

POWER: 70W

Rated power [W]	Colour temperature [K]	Total luminous flux* [lm]	Diffuser	EEL	Motion sensor	Dimensions A/B/C [mm]	Weight [kg]	Index
70	3000	9200	MAT	A++	-	1432/85/80	1,7	907081
70	4000	9800	MAT	A++	-	1432/85/80	1,7	907173
70	3000	9200	MAT	A++	+	1432/85/80	1,8	907166
70	4000	9800	MAT	A++	+	1432/85/80	1,8	907258

Available options: DALI, through wiring (LS2), Rapid-A, Rapid-D, emergency module.

\* Initial, tolerance +/- 10%

Photos presented in the brochure are illustrative and may differ from a real product appearance. Manufacturer reserves its right to change technical data of products without prior information.

## Accessories



Suspended plate with a lighting module

Fitting length [mm]	Total luminous flux* [lm]	Colour temperature [K]	Index
1152	2300/4200	3000	907265
1152	2500/4500	4000	907272
1152	7000/8600	3000	907289
1152	7400/9000	4000	907296
1432	6500/10300	3000	907302
1432	7000/10900	4000	907319
1432	5200	3000	907755
1432	5300	4000	907760
FOR TYTAN LED ENDURA MINUS VERSION:			
1152	9000	4000	907692
1432	10900	4000	907722

Protective net

Fitting length [mm]	Index
1152	907913
1432	907920



Details and technical data sheets available at:  
[www.lenalighting.pl](http://www.lenalighting.pl)

# TYTAN LED

[tytan.lenalighting.pl](http://tytan.lenalighting.pl)

## LED GO!



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