LENA LIGHTING

INDUSTRY LED

Introducing our product

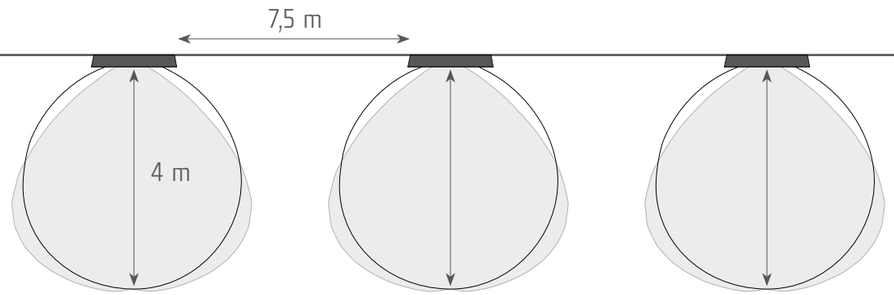
The Industry LED is an energy saving fitting with a high luminous flux. The highly efficient LED light sources ensure that the fitting has an A^{++} Energy rating.

The luminaire is not only highly efficient but has an extremely even light distribution. The Industry LED is available with a choice of six lenses to further optimize the efficacy of the fitting in a variety of applications.

Highly uniform efficient **LED** GO! luminaire

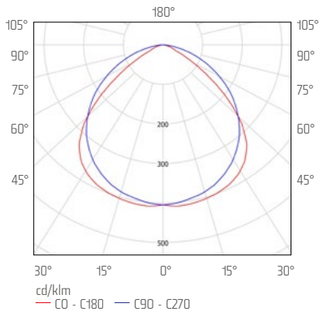
Constructor and Designer
Mateusz Filipiak

"While designing the fitting, my purpose was to obtain very high luminous flux without changing the original industrial design. I am really pleased that I have managed to reach my goal and thanks to the possibility of replacing the lens,the fitting is available in different light distribution options without changing its design."

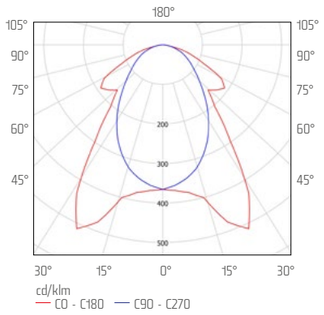


Suitable for use in shopping areas, where fittings are usually mounted at the height of 4-5 meters. Recommended light beam angle options for this type of applications: wide, butterfly and asymmetric.

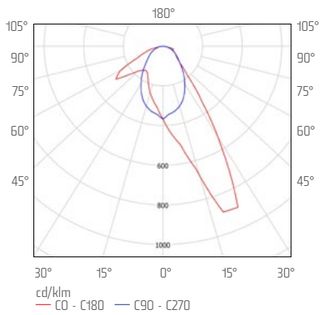
Wide 90⁰

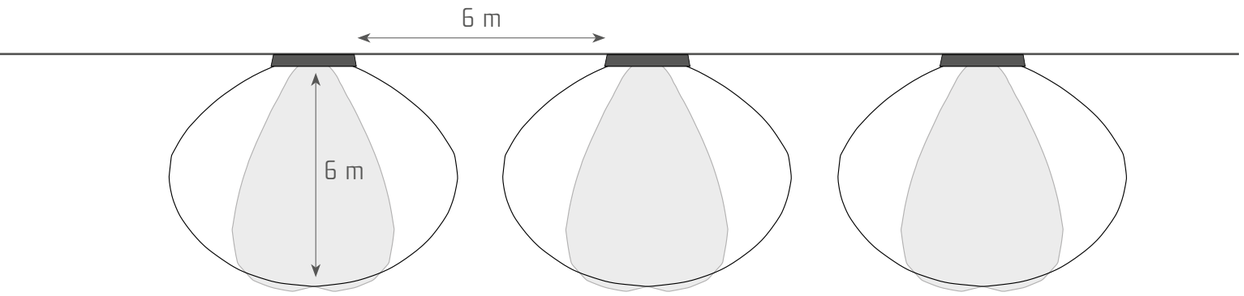


Butterfly



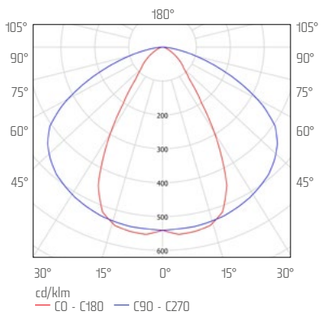
Asymmetric



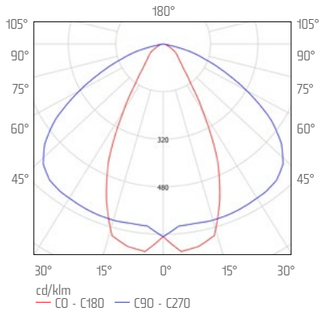


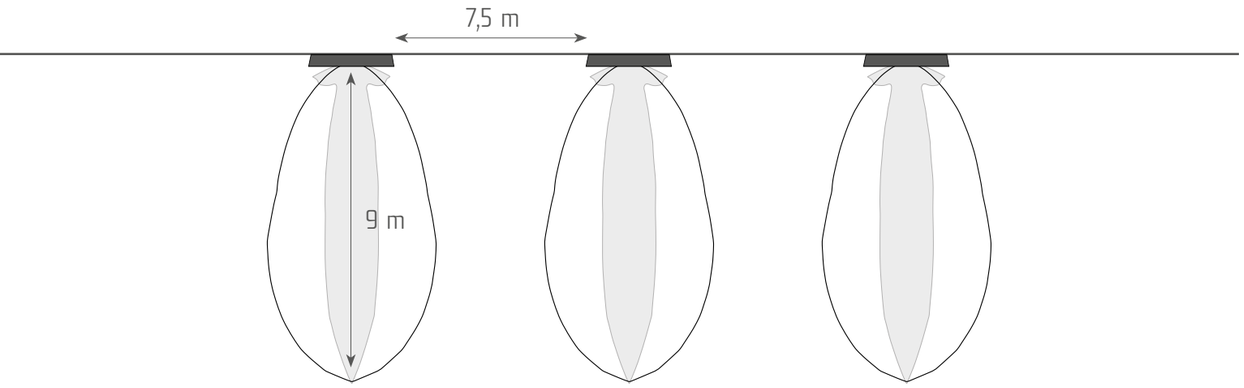
Using the fitting in production halls ensures ideal lighting of the surface and comfort of work. Recommended light beam angle options for this type of applications: medium or narrow.

Medium 60⁰



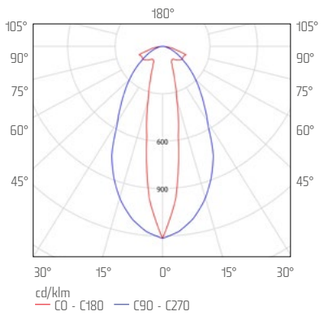
Narrow 45⁰



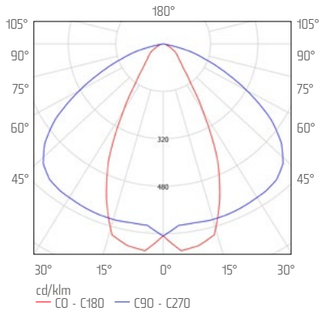


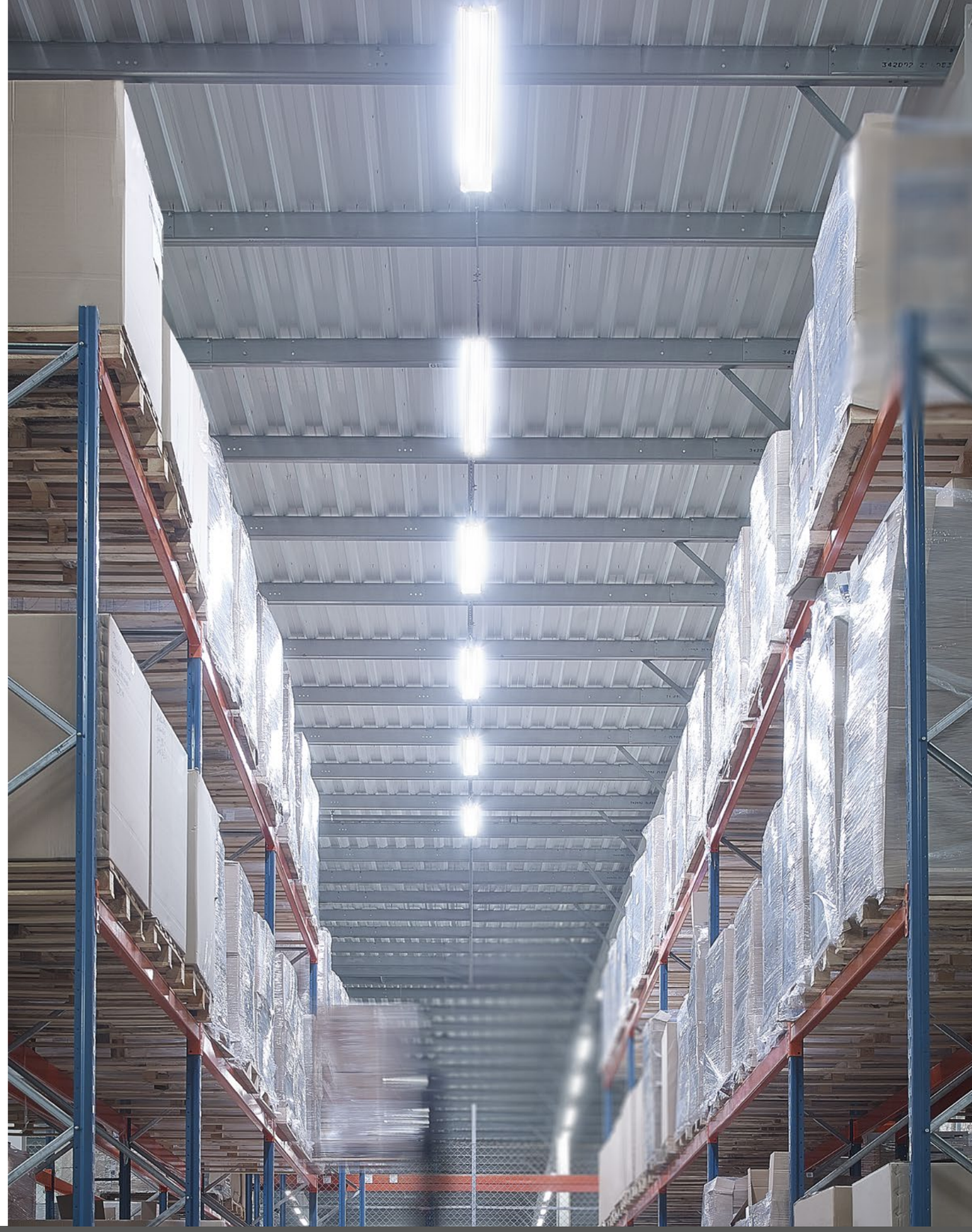
High storage warehouses, where the fittings are mounted at significant height, require luminaires with suitable parameters which ensure ideal lighting of the surface. Recommended light beam angle options for this type of applications: narrow and super narrow.

Super narrow 20⁰



Narrow 45⁰





IP23

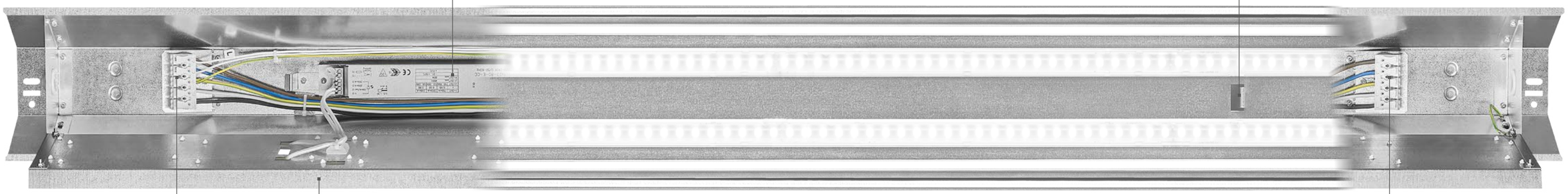
The IP23 rating ensures protection against water falling as a spray at any angle up to 60° from the vertical.

For example, water dripping from the ceiling of a warehouse as a result of condensation (a common occurrence especially in the winter season), shall have no harmful effect on the luminaire.

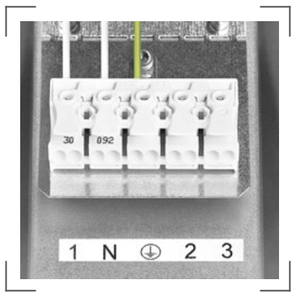
What's inside?

High quality components guarantee the fitting's reliability.

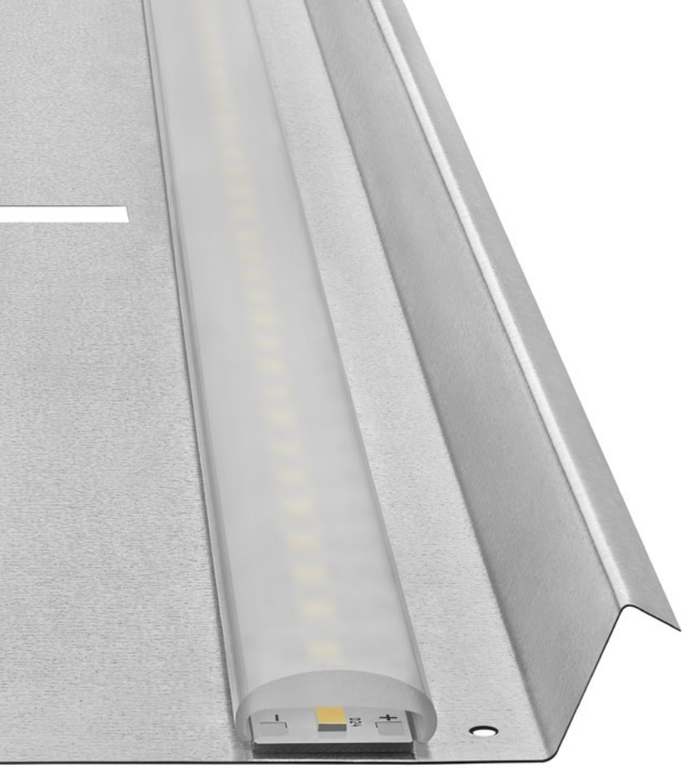
Easy toolless access. This solution ensures easy access to the the fitting's interior.



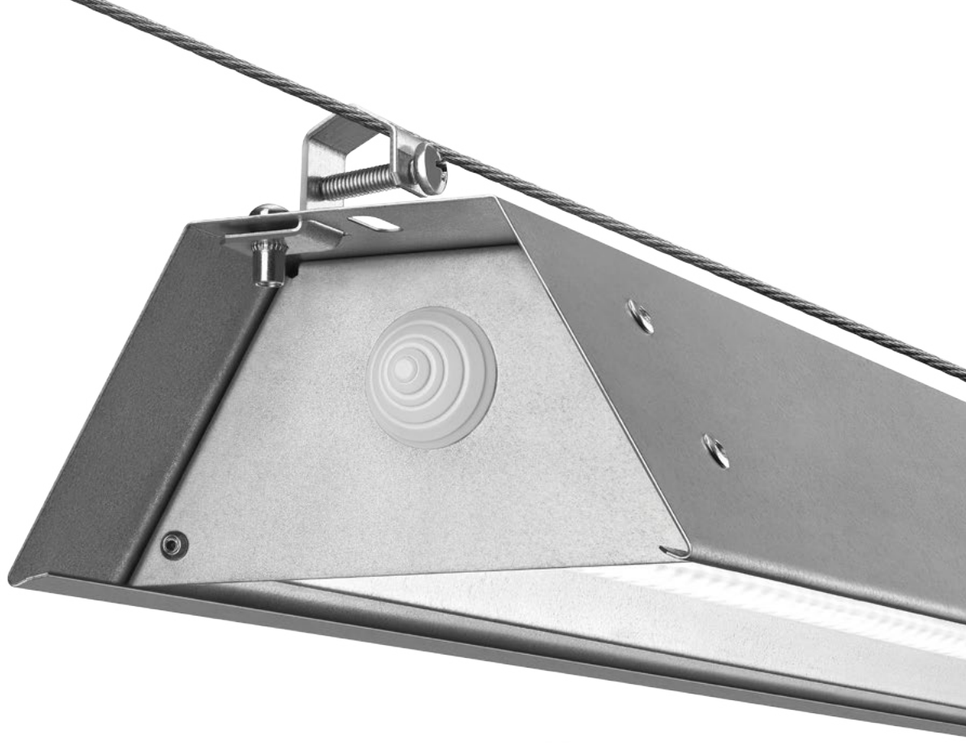
To save time and improve comfort of work during assembly and service, the fitting is equipped with a suspended mounting board, which does not require holding or putting aside while assemblig or disassembling the fitting.



Using a five-core through--wiring enables to connect each fitting to one of the three phases, which allows to switch on the chosen groups of fittings in the building.



Advanced optics



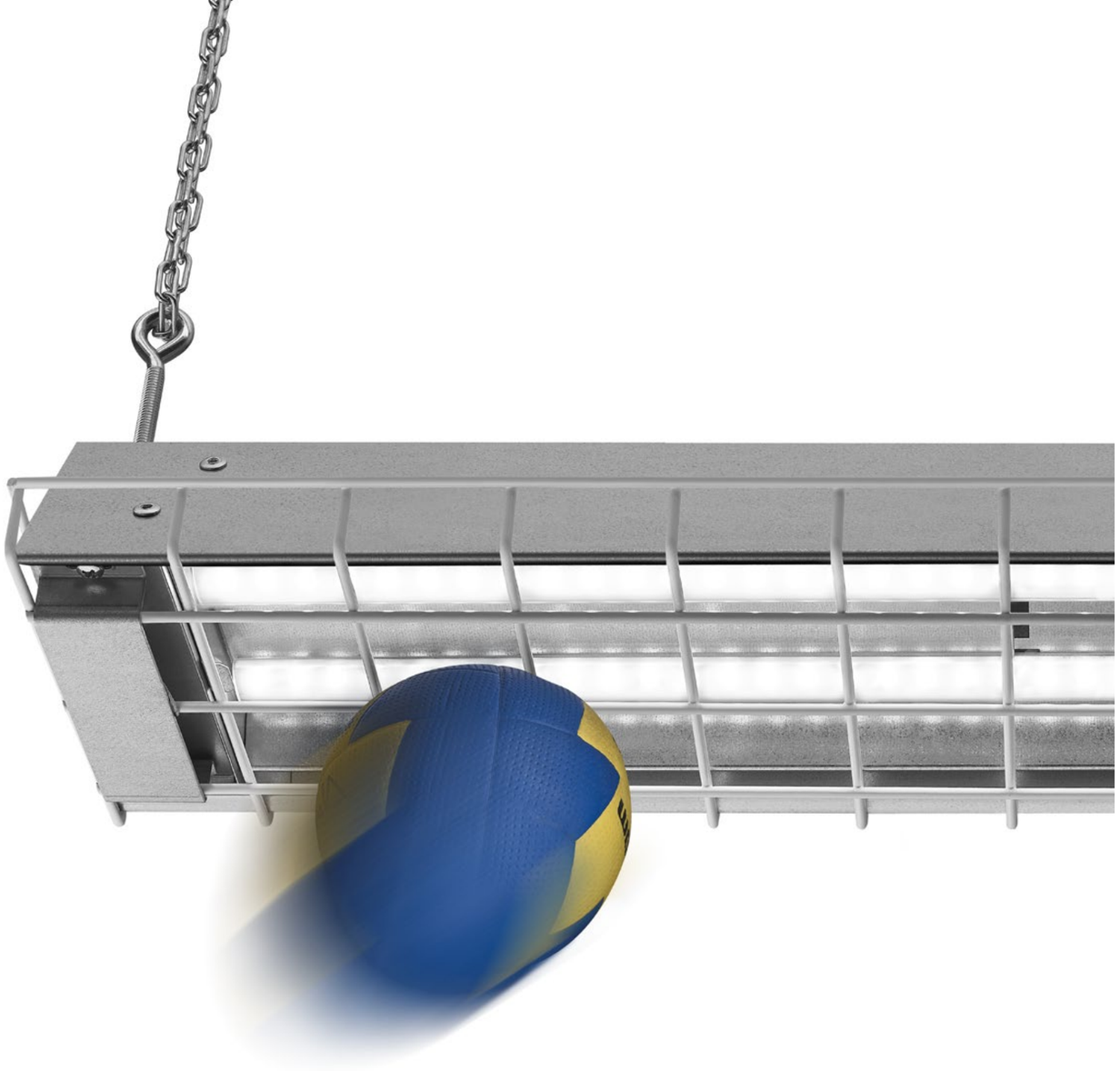
Modern, highly efficient line lens made of PMMA allow six light distribution options: 90^0, 60^0, 45^0, 20^0, asymmetrical and „butterfly".

Suspended mounting

The fitting is designed to be mounted in different types of ceilings. Paying attention to the fitting's design and the possibility of adjusting the fitting to different rooms, available two options of suspension: chain and steel rope.

Surface mounting

Thanks to the possibility of easy surface mounting the fitting can also be used in the rooms, where the suspended mounting is not possible.



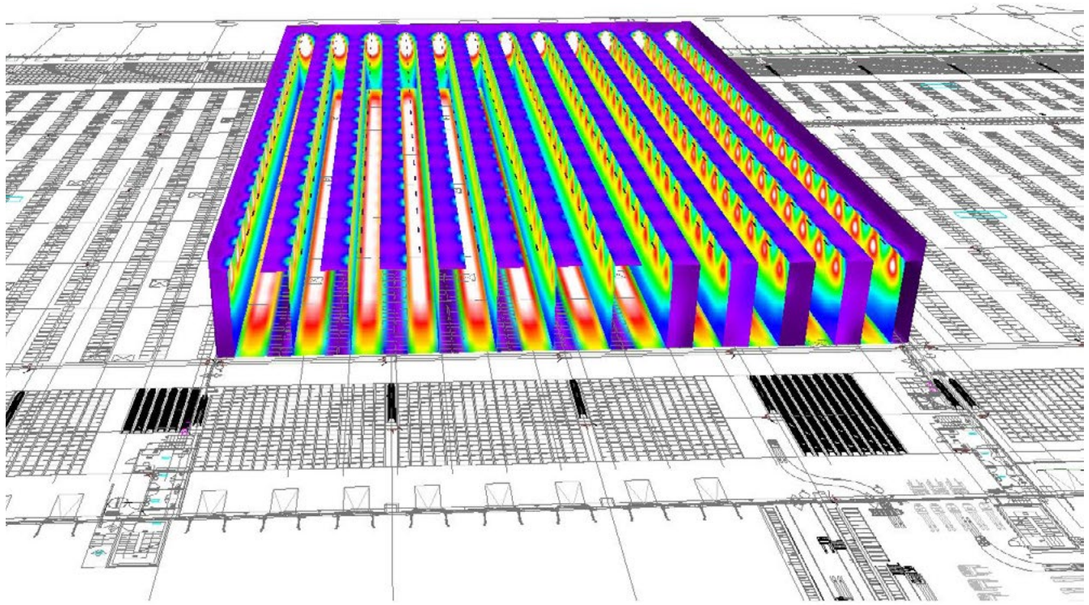
Protective net

The net ensures extra protection to mechanical impacts, so the fitting can be used in sports facilities or in other places with increased risk of damage.

Aluminium reflector

Using the reflector reduces glare effect. Fitting equipped with this component is suitable for rooms where high lighting standards are required (for example shopping areas).

Case study



Case study

The Investor built a new warehouse with a surface of 10000 m^2. The building required luminous flux on the rooms floor was 150lx.

Due to the building occupancy of 16 hours per day, energy saving was the most important criterion of choosing the fittings and the next significant factor for making the choice was reliability.

Initial project was designed on 2x58W IP65 fluorescent fittings. Considering the Investor's key requirements, we suggested changing the traditional fittings to INDUSTRY LED EVO 60W.

Less fittings - the same effect

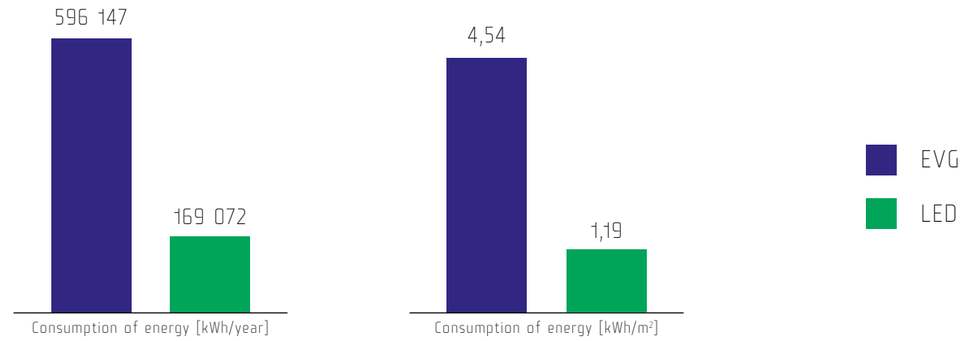
461

INDUSTRY LED EVO 60W

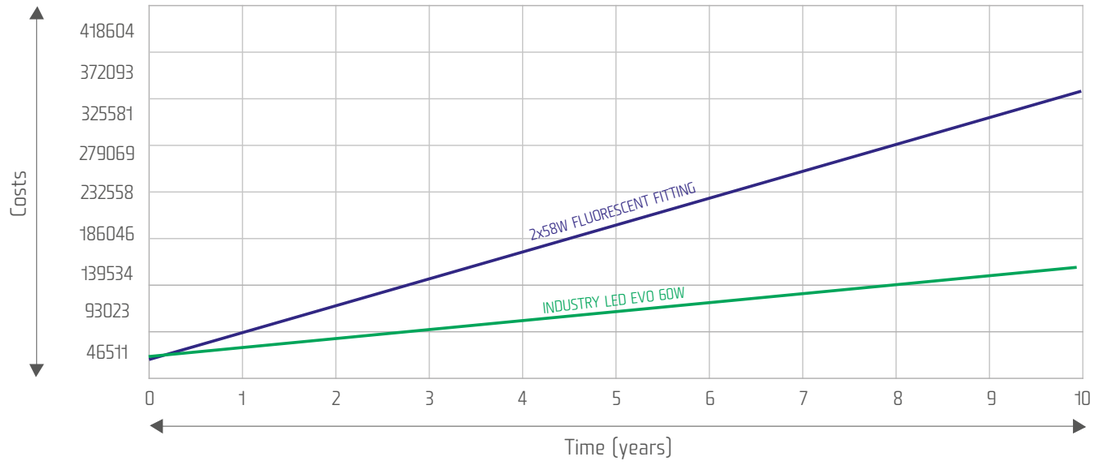
880

2x58W FLUORESCENT FITTING

Consumption of energy



Amortisation of costs



The comparative analysis showed a lot of benefits from using LED fittings. According to the suggested project, there were 48% less fittings installed (461 pieces of INDUSTRY LED EVO 60W vs 880 pieces of 2x58W fluorescent fitting), which resulted in significant savings of the costs of installation. Thanks to using INDUSTRY LED fittings, the costs were also decreased (72%).

The effect was reached not only thanks to lower power consumption but also because of minimizing the costs of maintenance (for example replacing fluorescent lamps) by using modern LED GO! light modules with long lifespan in LED options.

72% ENERGY SAVINGS

The basic assumption of case study:

Time of lighting 16 hours per day; scheduled for 10 years; price for 10 kWh - 1,39 euro; the cost of the light sources on the basis of average market prices, frequency of replacing the light sources according to the lifespan.

Article numbers

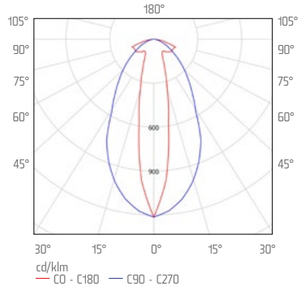
Super narrow beam 20⁰

LS1 - ONE 5 POLE PUSH-IN TERMINAL BLOCK

Max Power [W]	Total Luminous Flux [lm]	Lenght [mm]	index
48	5900	1210	540639
evo 60	8400	1490	541421
72	8400	1490	541032
90	11750	1490	540394

LS2 - TWO 5 POLE PUSH-IN TERMINAL BLOCK CONNECTED WITH 5 x 2,5MM² CABLES

Max Power [W]	Total Luminous Flux [lm]	Lenght [mm]	index
48	5900	1210	540578
evo 60	8400	1490	541483
72	8400	1490	541094
90	11750	1490	540332



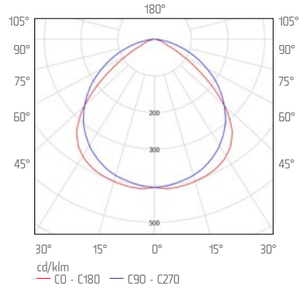
Wide beam 90⁰

LS1 - ONE 5 POLE PUSH-IN TERMINAL BLOCK

Max Power [W]	Total Luminous Flux [lm]	Lenght [mm]	index
48	6700	1210	540608
evo 60	9650	1490	541452
72	9650	1490	541001
90	13400	1490	540363

LS2 - TWO 5 POLE PUSH-IN TERMINAL BLOCK CONNECTED WITH 5 x 2,5MM² CABLES

Max Power [W]	Total Luminous Flux [lm]	Lenght [mm]	index
48	6700	1210	540547
evo 60	9650	1490	541513
72	9650	1490	541063
90	13400	1490	540301



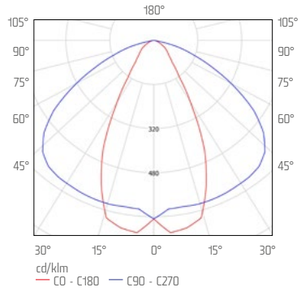
Narrow beam 45⁰

LS1 - ONE 5 POLE PUSH-IN TERMINAL BLOCK

Max Power [W]	Total Luminous Flux [lm]	Lenght [mm]	index
48	6500	1210	540622
evo 60	9350	1490	541438
72	9350	1490	541025
90	13000	1490	540387

LS2 - TWO 5 POLE PUSH-IN TERMINAL BLOCK CONNECTED WITH 5 x 2,5MM² CABLES

Max Power [W]	Total Luminous Flux [lm]	Lenght [mm]	index
48	6500	1210	540561
evo 60	9350	1490	541490
72	9350	1490	541087
90	13000	1490	540325



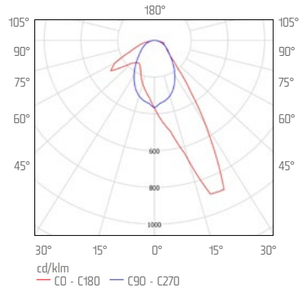
Asymmetric beam

LS1 - ONE 5 POLE PUSH-IN TERMINAL BLOCK

Max Power [W]	Total Luminous Flux [lm]	Lenght [mm]	index
48	6150	1210	540592
evo 60	8800	1490	541469
72	8800	1490	541049
90	12300	1490	540356

LS2 - TWO 5 POLE PUSH-IN TERMINAL BLOCK CONNECTED WITH 5 x 2,5MM² CABLES

Max Power [W]	Total Luminous Flux [lm]	Lenght [mm]	index
48	6150	1210	540530
evo 60	8800	1490	541520
72	8800	1490	541100
90	12300	1490	540295



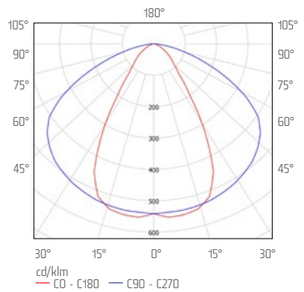
Medium beam 60⁰

LS1 - ONE 5 POLE PUSH-IN TERMINAL BLOCK

Max Power [W]	Total Luminous Flux [lm]	Lenght [mm]	index
48	6600	1210	540615
evo 60	9500	1490	541445
72	9500	1490	541018
90	13250	1490	540370
WHITE COLOUR VERSIONS:			
48	6600	1210	540035
72	9500	1490	540028

LS2 - TWO 5 POLE PUSH-IN TERMINAL BLOCK CONNECTED WITH 5 x 2,5MM² CABLES

Max Power [W]	Total Luminous Flux [lm]	Lenght [mm]	index
48	6600	1210	540554
evo 60	9500	1490	541506
72	9500	1490	541070
90	13250	1490	540318



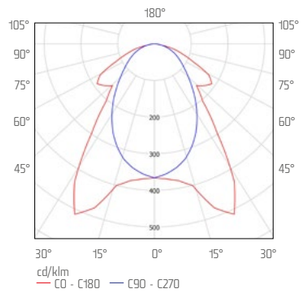
Butterfly beam

LS1 - ONE 5 POLE PUSH-IN TERMINAL BLOCK

Max Power [W]	Total Luminous Flux [lm]	Lenght [mm]	index
48	6050	1210	540585
evo 60	8700	1490	541476
72	8700	1490	541056
90	12150	1490	540349

LS2 - TWO 5 POLE PUSH-IN TERMINAL BLOCK CONNECTED WITH 5 x 2,5MM² CABLES

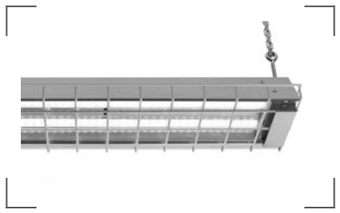
Max Power [W]	Total Luminous Flux [lm]	Lenght [mm]	index
48	6050	1210	540523
evo 60	8700	1490	541537
72	8700	1490	541117
90	12150	1490	540288



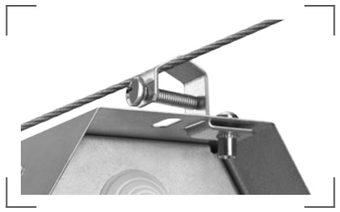
Luminaires in A+ / A++ energy efficiency class
Available options: DIMM 1-10V, DALI

Accessories

ALUMINIUM LOUVER
for 1490mm version - index no. 540004



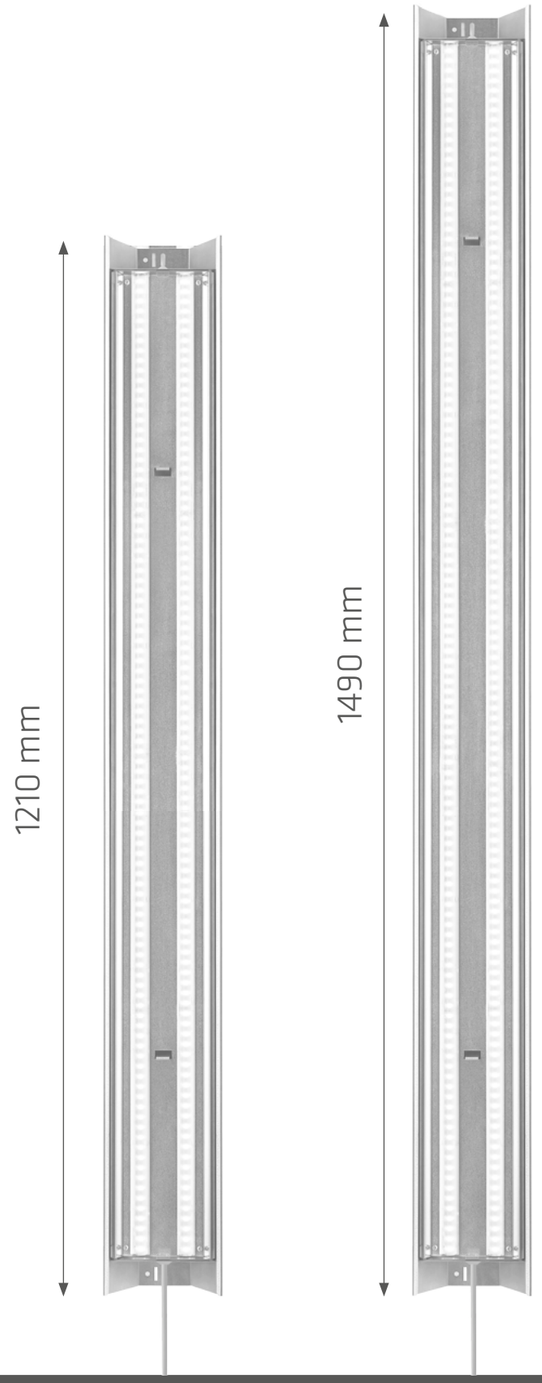
PROTECTIVE NET
for 1490mm version - index no. 541254
for 1210mm version - index no. 541599



SLINGS (for rope) - 2 pieces
index no. 543944

SLINGS (for chain) - 2 pieces
index no. 541247

Dimensions



Industrial LED lighting

TYTAN LED

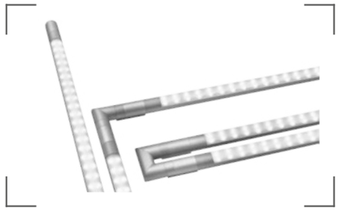
- Power: 29W, 35W, 46W, 56W, 70W
- Total luminous flux: max. 10900 lm
- Ingress protection class: IP66
- Impact resistance: IK09
- Colour temperature: 3000K, 4000K
- Mounting: surface, suspended
- Optional: RCR (motion sensor), DIMM DALI, through-wiring, RAPID-A, RAPID-D

COMPACT LED EVO

- Power: 24W, 32W, 42W, 52W, 60W
- Total luminous flux: max. 8100 lm
- Ingress protection class: IP44/20
- Colour temperature: 3000K, 4000K
- Mounting: recessed, surface, suspended
- Optional: RCR (motion sensor), DIMM DALI

VECTOR LED EVO

- Power: 18W, 28W, 37W, 47W, 56W
- Total luminous flux: 7350 lm
- Ingress protection class: IP40
- Colour temperature: 3000K, 4000K
- Mounting: surface, suspended
- Optional: RCR (motion sensor), DIMM DALI



TUBE LED EVO SYSTEM

- Power: 14W, 21W, 28W, 36W
- Total luminous flux: max. 3950 lm
- Ingress protection class: IP65
- Impact resistance: IK08
- Colour temperature: 3000K, 4000K
- Mounting: surface, suspended

LINEA LED EVO

- Power: 22W, 30W, 60W
- Total luminous flux: max. 9650 lm
- Ingress protection class: IP20
- Impact resistance: IK07
- Colour temperature: 3000K, 4000K
- Mounting: surface, suspended
- Optional: DALI

FORTAN LED EVO

- Power: 60W
- Total luminous flux: 9100 lm
- Ingress protection class: IP44
- Colour temperature: 3000K, 4000K
- Mounting: surface
- Optional: RCR (motion sensor), DIMM DALI

FACTOR LED EVO Z

- Power: 156W, 208W, 260W,
- Total luminous flux: 35000 lm
- Ingress protection class: IP65
- Impact resistance: IK10
- Colour temperature: 4000K, 5000K
- Mounting: suspended
- Optional: DALI

HULK LED

- Power: 150W, 200W
- Total luminous flux: 25150 lm
- Ingress protection class: IP65
- Colour temperature: 5000K
- Mounting: suspended

QUEST LED

- Power: 48W, 72W, 120W
- Total luminous flux: 6650 lm
- Ingress protection class: IP66
- Impact resistance: IK08
- Colour temperature: 4000K
- Mounting: surface

FACTOR LED EVO N

- Power: 104W,156W, 208W
- Total luminous flux: 28000 lm
- Ingress protection class: IP65
- Impact resistance: IK10
- Colour temperature: 4000K, 5000K
- Mounting: surface
- Optional: DALI

FACTORIA LED EVO

- Power: 52W, 104W, 156W, 208W
- Total luminous flux: 28000 lm
- Ingress protection class: IP65
- Impact resistance: IK10
- Colour temperature: 4000K, 5000K
- Mounting: recessed
- Optional: DALI

VIGO M LED

- Power: 30W, 50W, 100W, 200W
- Total luminous flux: 19200 lm
- Ingress protection class: IP65
- Impact resistance: IK10
- Colour temperature: 5000K
- Mounting: surface

Details and technical data sheets available at: www.lenalighting.pl

Complete offer


Suspended fittings


Track and surface mounting fittings


Recessed and surface fittings


Downlights


Industrial fittings

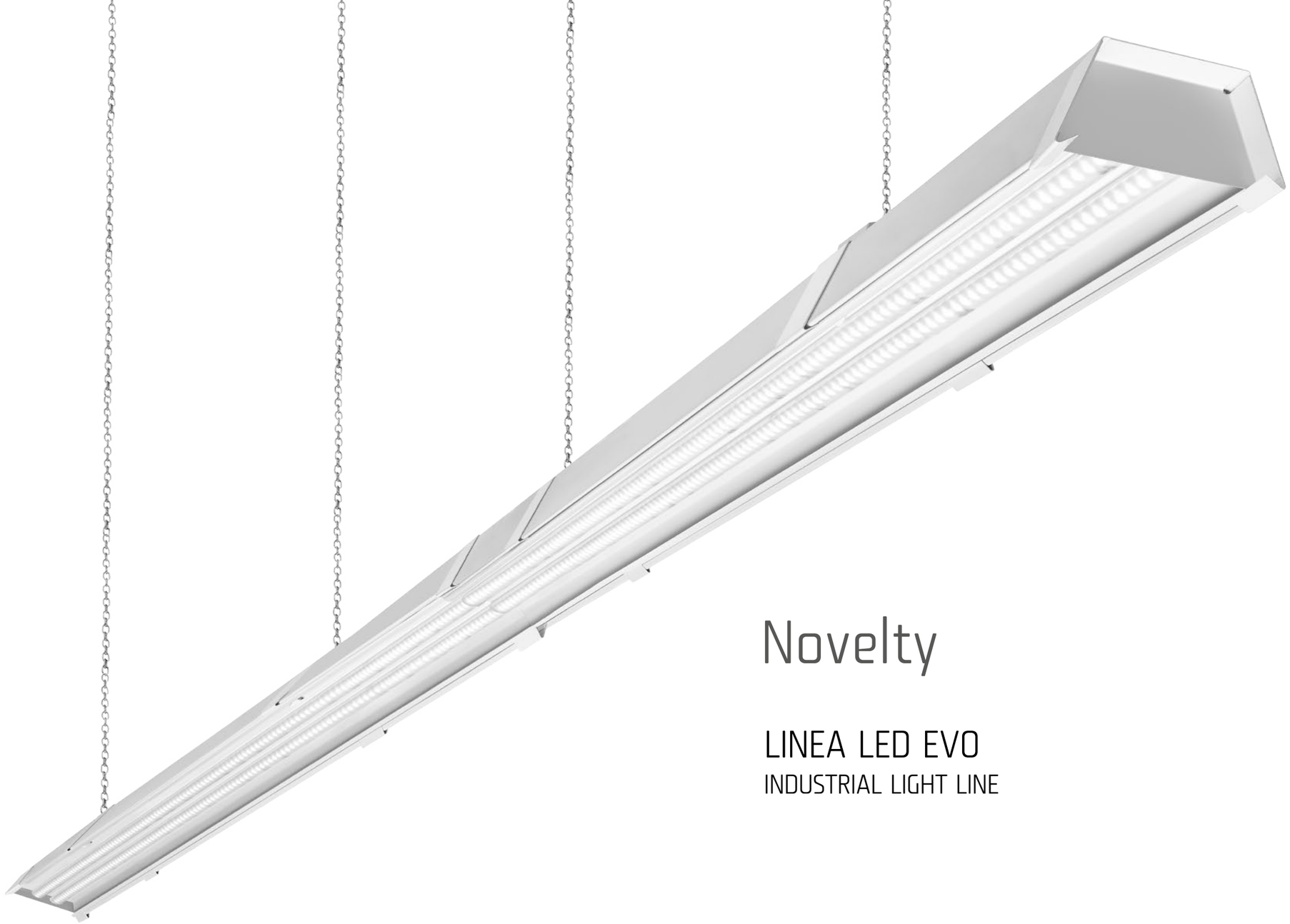

Floodlights

Bulkheads


Accent fittings


Emergency fittings


Street lighting



Novelty

LINEA LED EVO

INDUSTRIAL LIGHT LINE

LED GO!

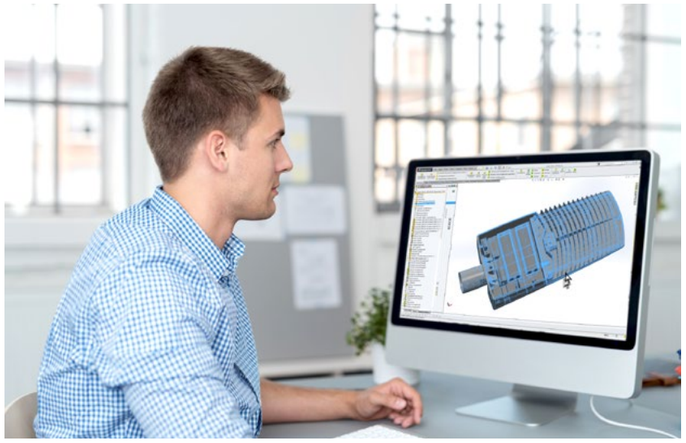
For years Lena Lighting S.A. has been a leading producer of professional, investment light fittings. Thanks to the cooperation with biggest electro-technical wholesalers and our own network of sales representatives, Lena Lighting's investment light fittings can be found wherever the highest quality of lighting is required. By developing the exports to 70 countries all over the world, Lena Lighting S.A. has achieved the position of an unquestionable leader among Polish exporters of professional investment illumination. The main customers of the Company include the countries of Western, Central and Eastern Europe.

One of the success foundations of Lena Lighting is high quality of manufactured fittings. Since 2005, the Company has been operating within the ISO 9001:2000 system. Our specialists from the Research and Development Department are constantly working on increasing of the quality standards. Our fittings meet very high international standards, which results in their reliability, long life cycle and energy-effciency. Electronic systems increase the energy effciency, at the same time improving the illumination quality. The use of energy-effcient fluorescent lamps and LEDs light sources gives us significant economic and environmental benefits.

Polska

Fundusze Europejskie
Program Regionalny

Unia Europejska
Europejski Fundusz Rozwoju Regionalnego



LENA LIGHTING

LED GO!

INDUSTRY LED

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