



INDUSTRY

More than Industry

The luminaire is not only highly efficient but has an exceptionally even light distribution.

INDUSTRY LED
Variety of light
distribution



POLISH PRODUCTION
POLISH TECHNOLOGY

We are responsible for the highest quality of lighting

It is worth choosing products supplied by renowned manufacturers, employing both highly-skilled engineering staff with the long-time experience in designing lighting systems, as well as having laboratories with equipment that enables the constant quality control of manufactured products.

Thanks to the professional R&D facilities, the state-of-the-art laboratory operated by specialists and with the constantly controlled production process, Lena Lighting offers full 5-year warranty for each lamp it manufactures.

Highly uniform efficient luminaire



INDUSTRY LED EVO

The is an energy saving fitting with a high luminous flux. The highly efficient LED light sources ensure A++ Energy rating.

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

Primary technical data:

Colour temperature: 4000K

Power: 48-153W

Total luminous flux: 5900lm - 23400lm



Scan the QR code & go
to product card now.

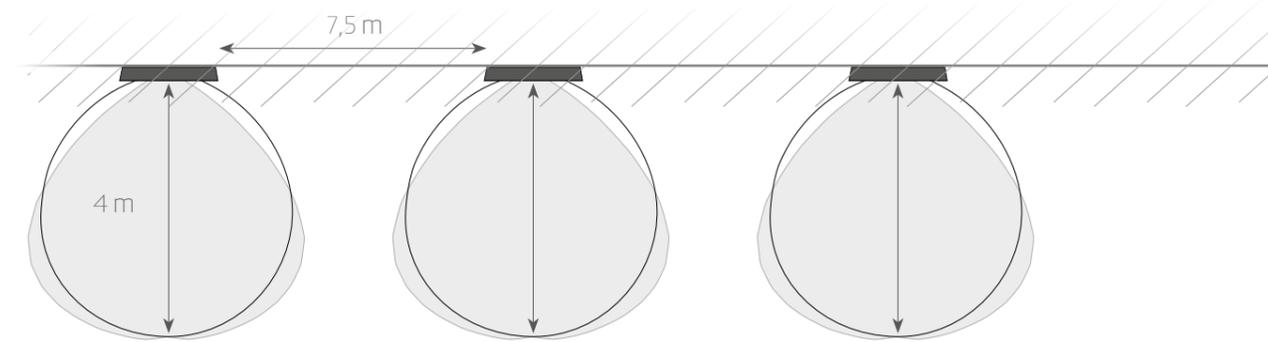
150 lm/W

SDCM \leq 3

A++

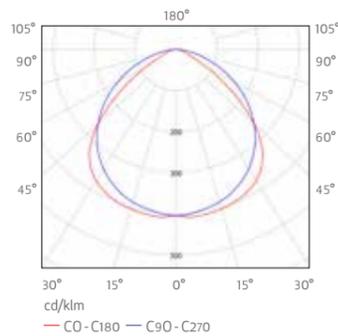


Shopping areas

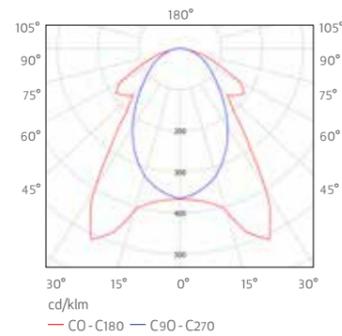


Suitable for use in shopping areas, where fittings are usually mounted at the height of 4-5 meters. Recommended light beam angle options for this type of applications: wide, butterfly and asymmetric.

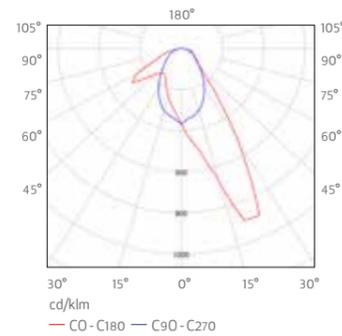
Wide 90°



Butterfly

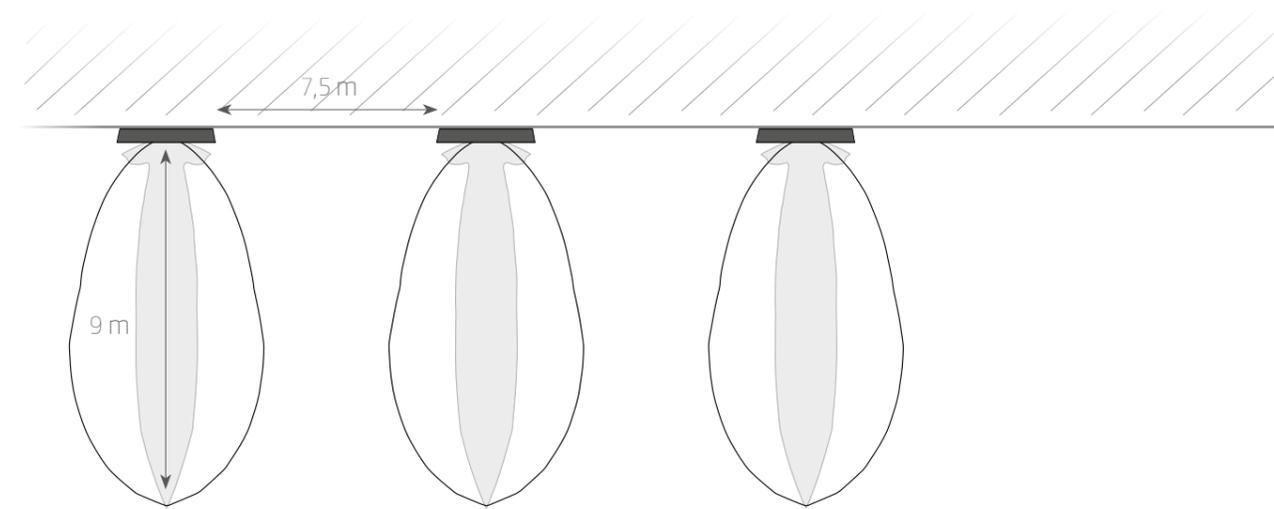
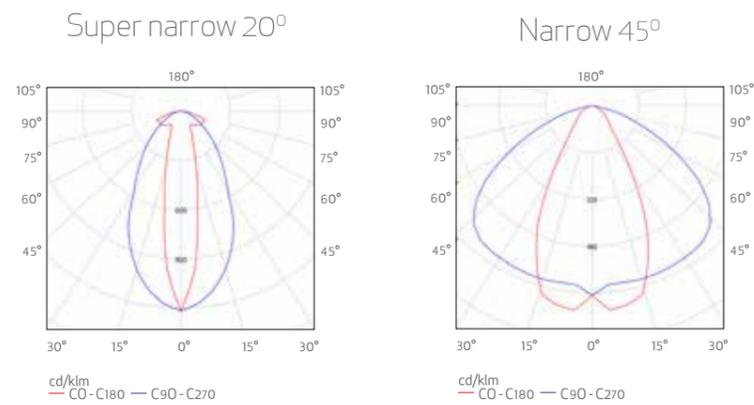


Asymmetric





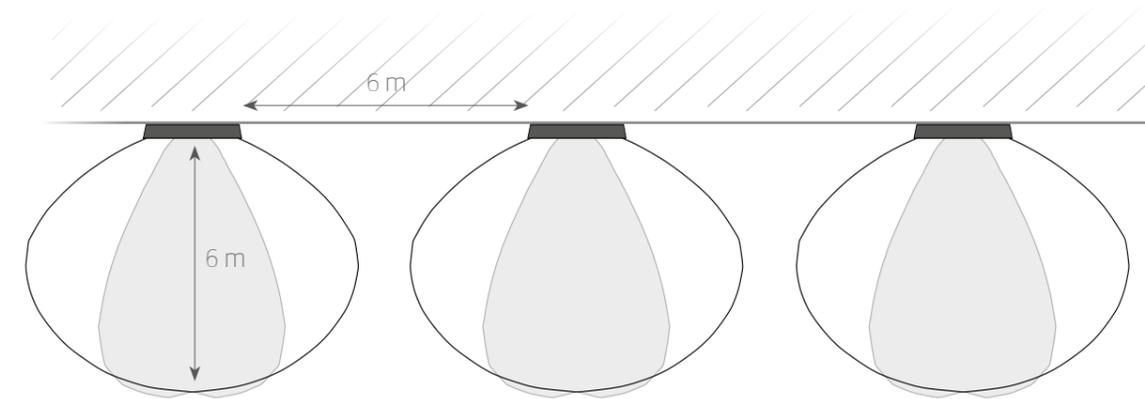
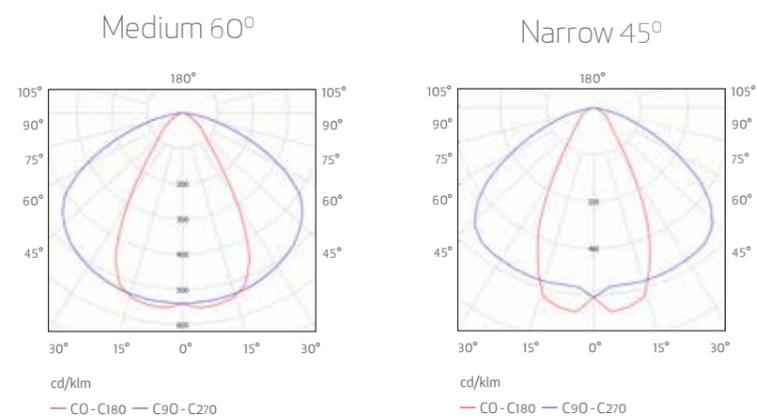
High storage spaces



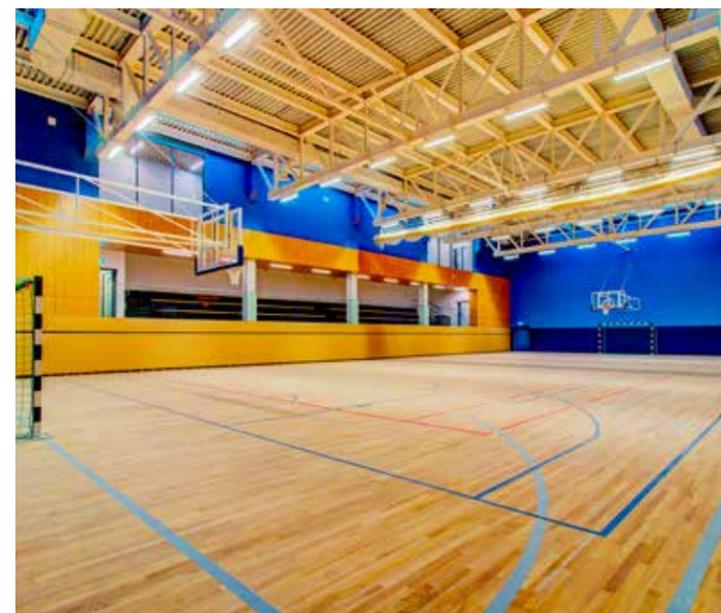
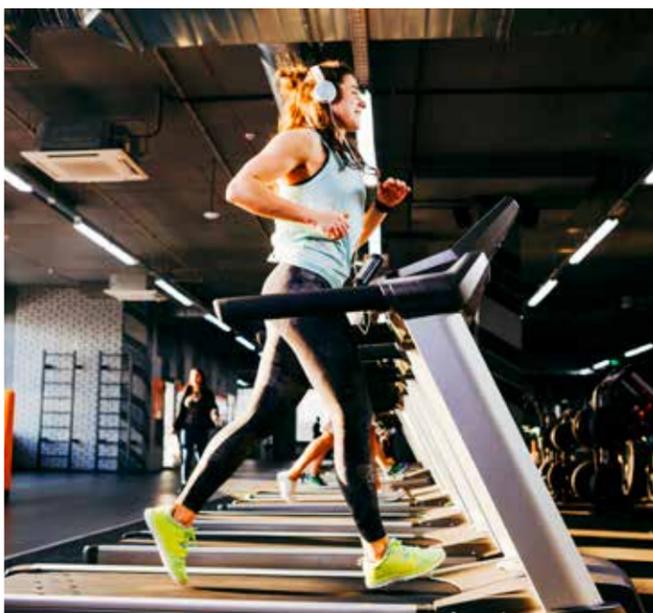
High storage warehouses require luminaires with suitable parameters, which ensure ideal lighting. Recommended light beam angle options for this type of applications: narrow and super narrow.

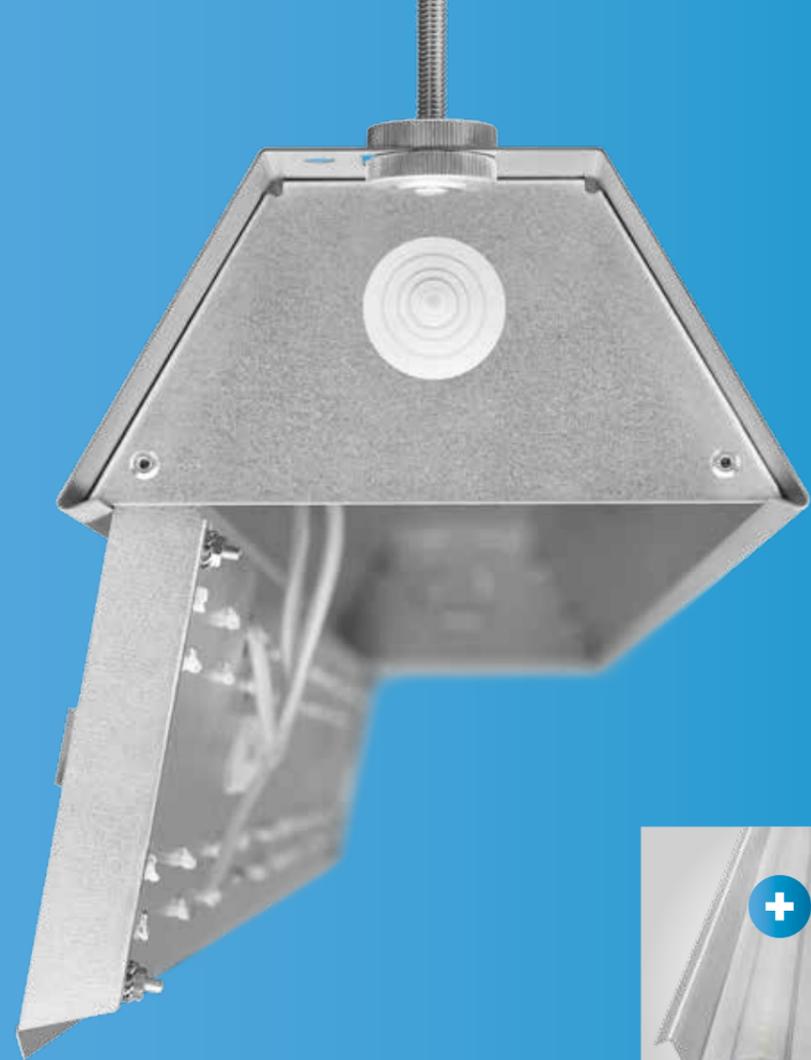


Production halls



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



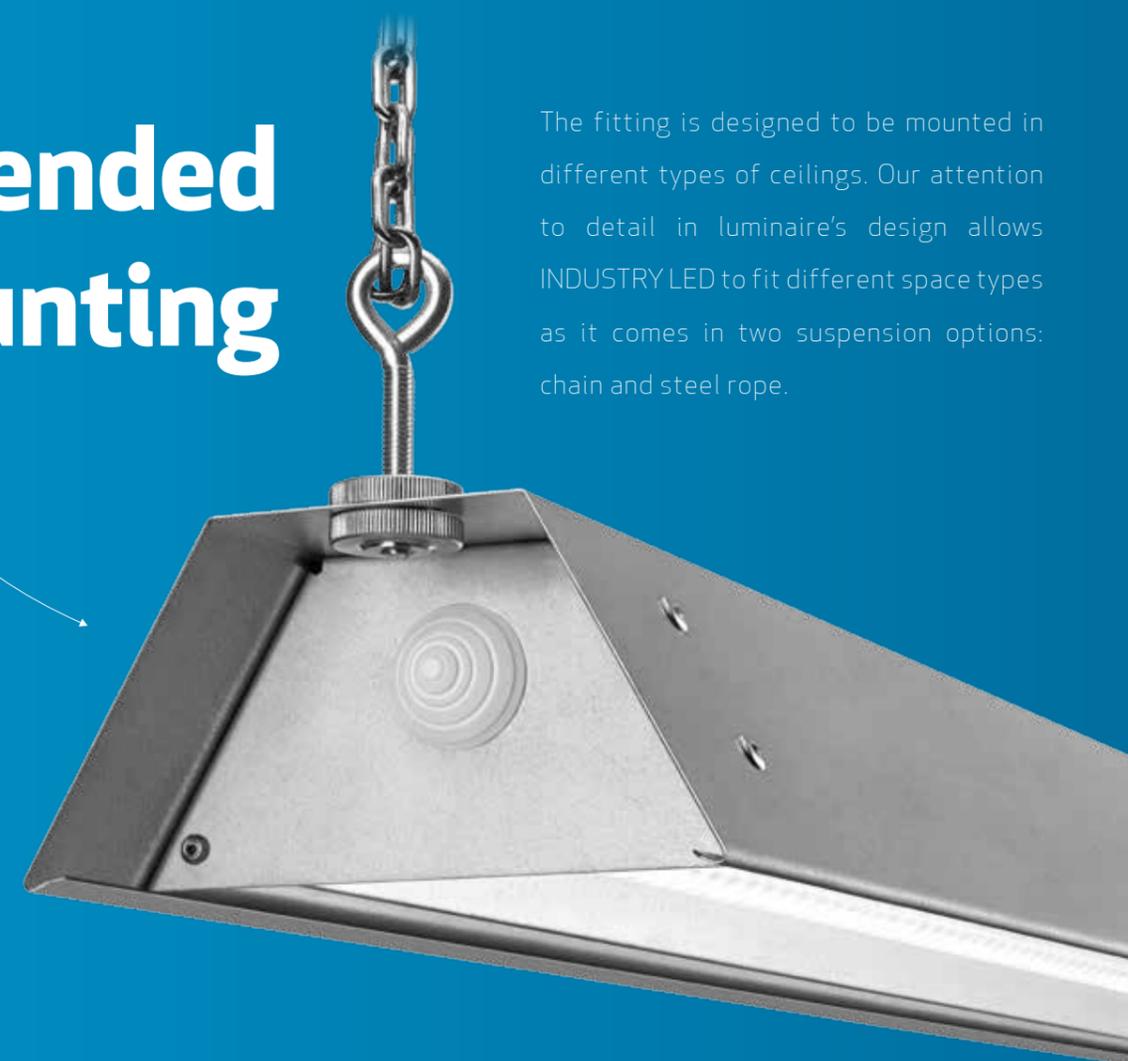


Suspended mounting

The fitting is designed to be mounted in different types of ceilings. Our attention to detail in luminaire's design allows INDUSTRY LED to fit different space types as it comes in two suspension options: chain and steel rope.

Advanced optics

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





Surface mounting

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

Solid workmanship



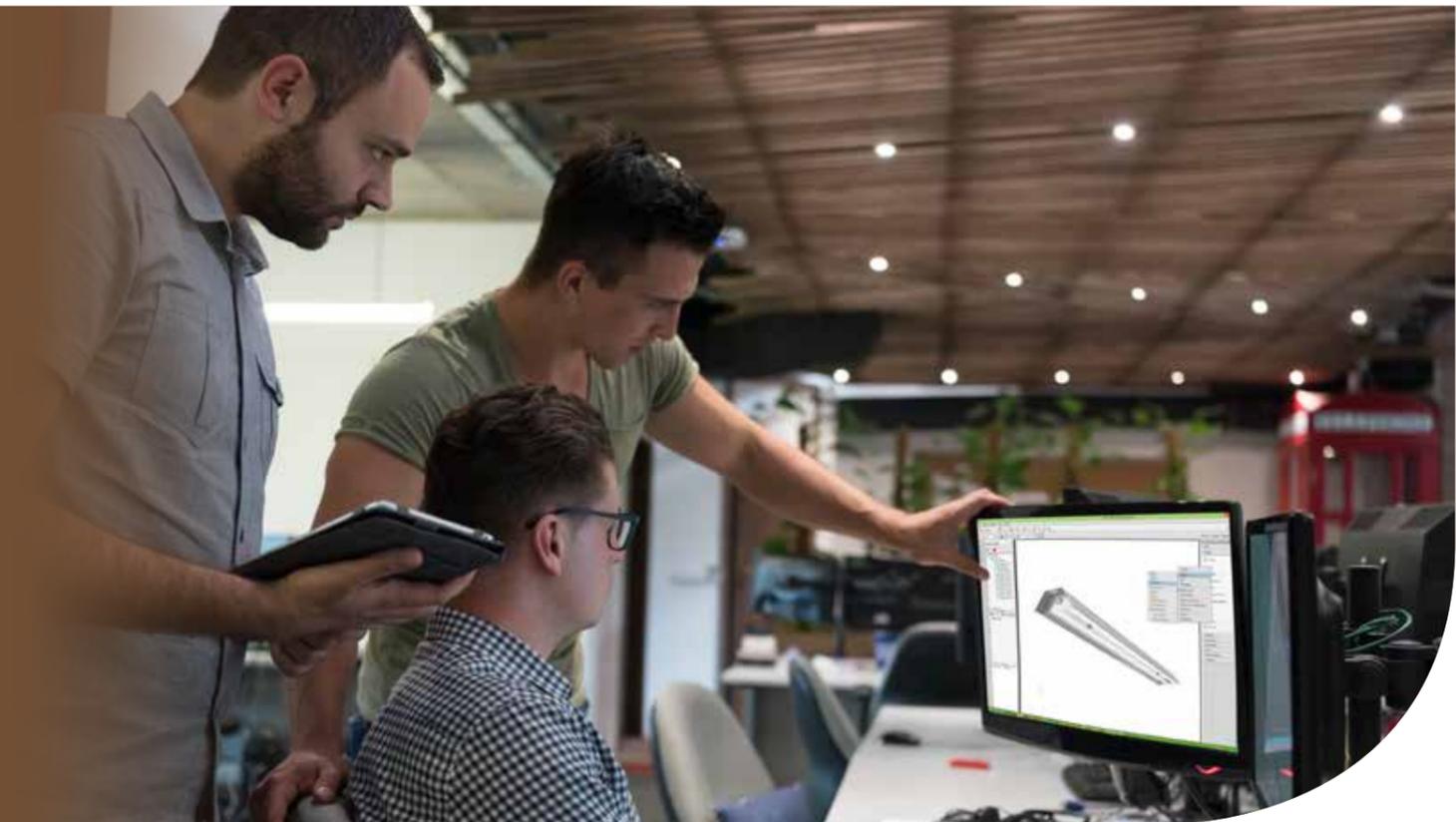
One of the keys to the success of Lena Lighting S.A. is high quality of our products. Since 2005 the company has been working under ISO 9001:2000 Quality Management System. Our luminaires meet the highest standards of international certificates, which translates into high reliability, long life and energy efficiency of our products.

What's inside?

”

“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.”

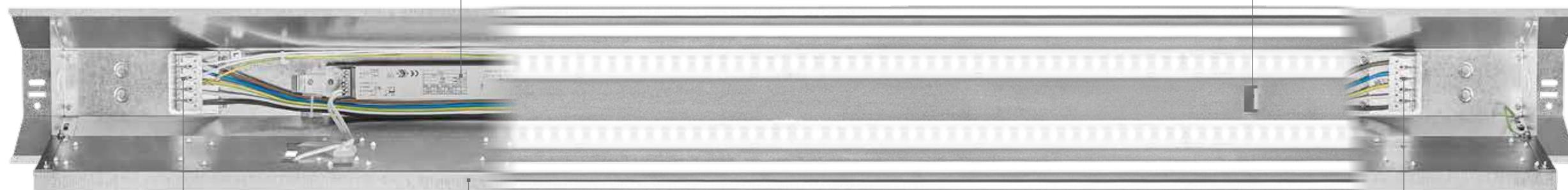
/ R&D Lena Lighting Constructor and Designer /



High quality components guarantee the fitting's reliability.

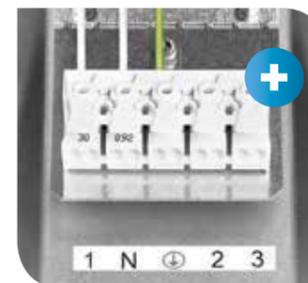


Easy toolless access. This solution ensures easy access to the the fitting's interior.



LS2
five-core
through-wiring

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 assembling or disassembling the fitting.



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

What about BASIC?



INDUSTRY LED BASIC

The budgeted version of Industry LED with comparable quality offering slightly lower lm/W factor at reasonable price.

Luminaire still ensures a high A+ Energy rating. Basic version is available with a choice of four lenses to further optimize variety of applications.

Primary technical data:

Colour temperature: 4000K
Total luminous flux: 6250-9750
Power: 53W - 66W



Scan the QR code & go to product card now.

131 lm/W

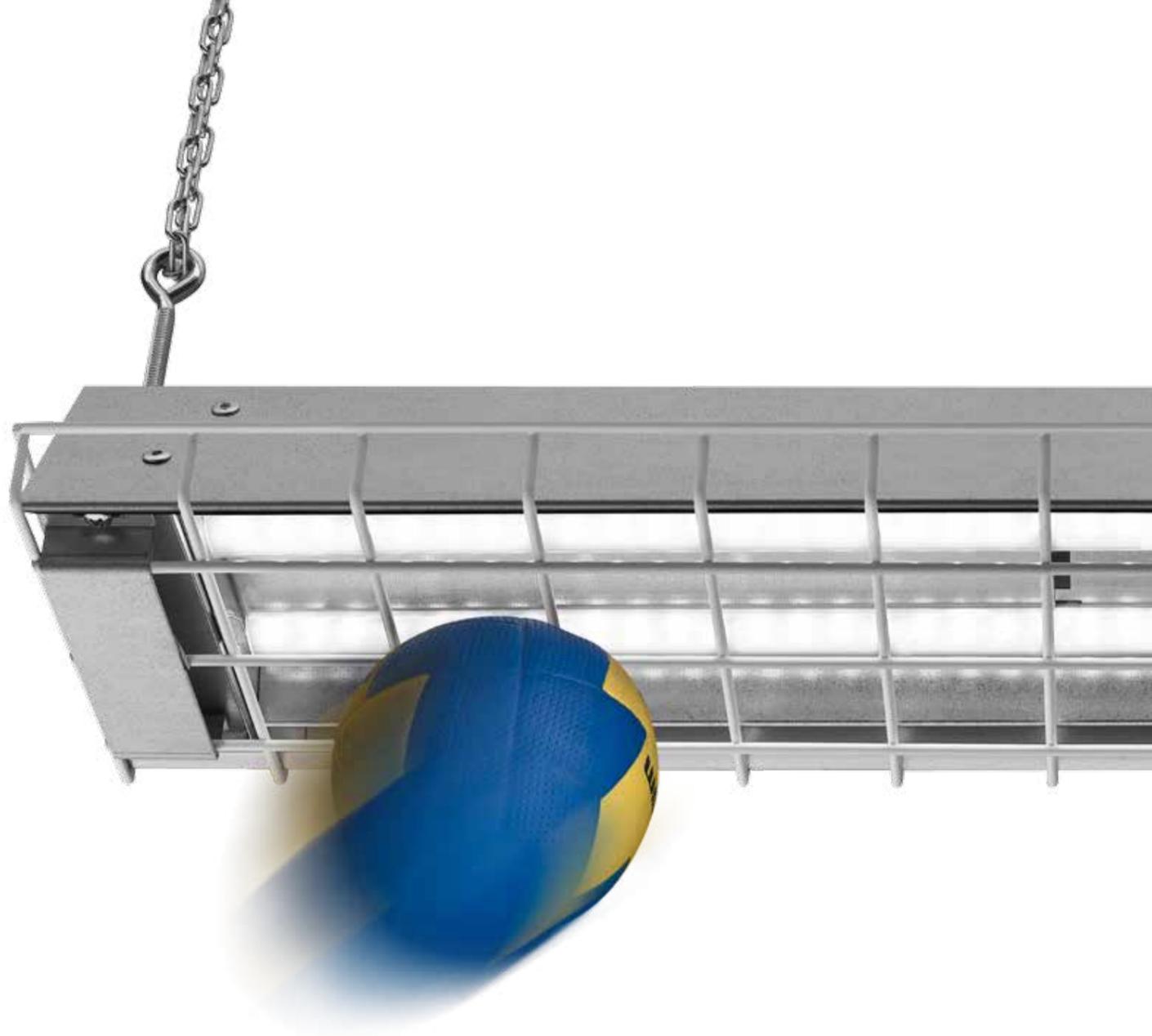
SDCM \leq 3

A+

It's more than enough

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

Ingress protection class **IP23**



Protective steel grid



The grid ensures extra protection to mechanical impacts, so the luminaire 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).

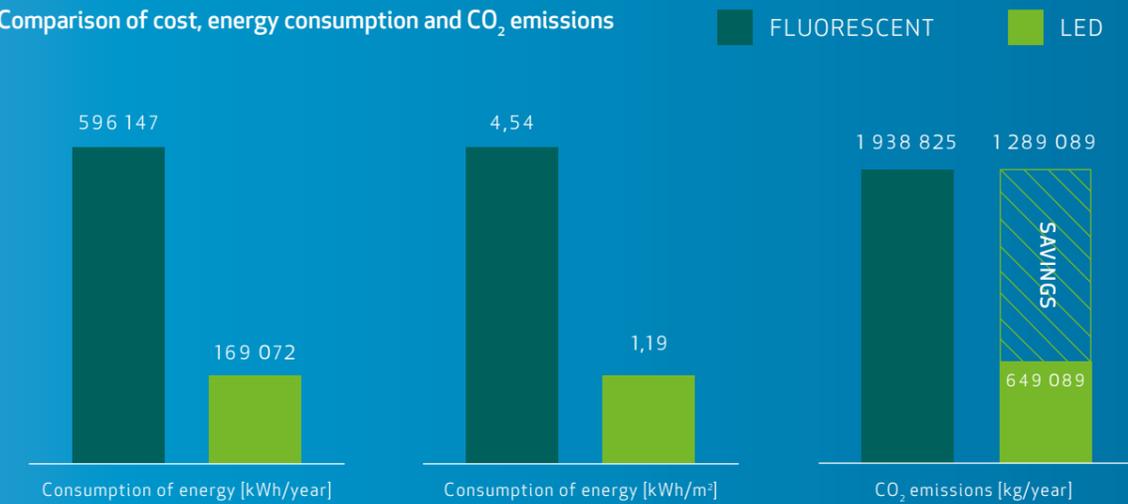


Light that supports passion

Keeping the work-life balance is not an easy task, becoming the challenge of our times. One task is more important than the other, and in the constant pursuit there is not enough time for realization of the passion. Especially in the winter, when it gets dark quickly, it is difficult to be active after work and to make the worktime not fill our whole day. The INDUSTRY LED EVO products are also designed to provide light to places, where you can pursue your passions.

Less lamps better effect

Comparison of cost, energy consumption and CO₂ emissions



Case study

The Investor built a new warehouse with a surface of **10000 m²**. The building required average **150lx** of the luminous intensity on the floor.

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 based on 2x58W IP65 fluorescent fittings.

Considering the Investor's key requirements, we suggested changing the traditional fittings to **INDUSTRY LED EVO 60W**.

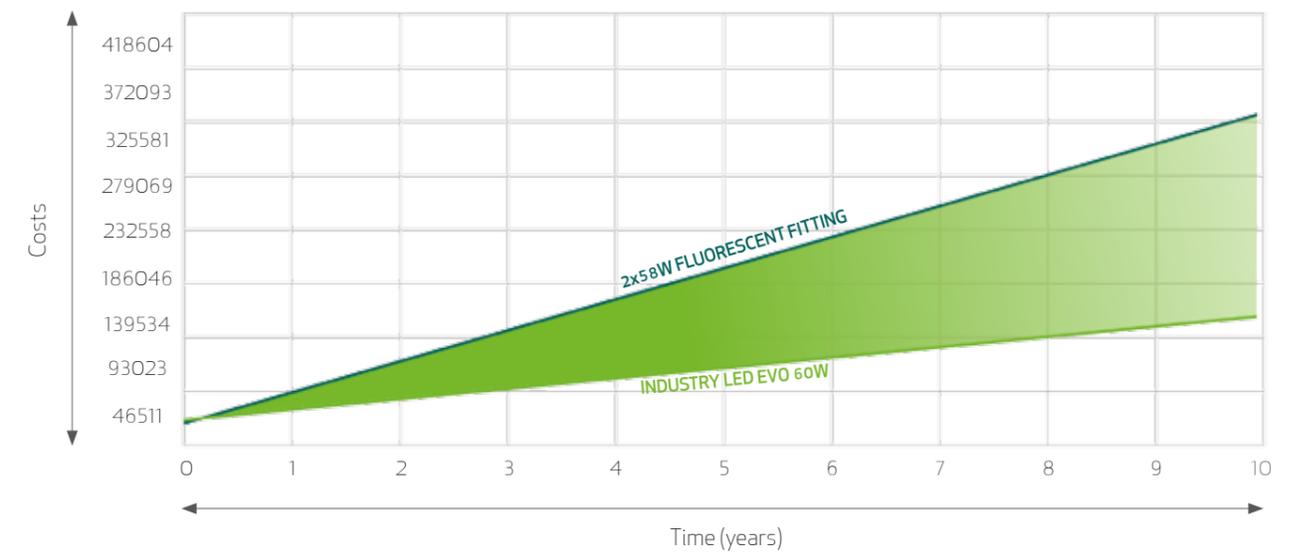
461 pcs

INDUSTRY LED EVO 60W

880 pcs

2x58W FLUORESCENT FITTING

Amortisation of costs



The comparative analysis showed a lot of **benefits** from using LED luminaires. 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 installation costs. Thanks to using INDUSTRY LED fittings, the energy 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

42%
LESS FITTINGS

Retrofit replacement chart can be found on the bottom of the page 33.

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.



Lighting design is on our side

The type of lighting and its arrangement require right selection in the design process. Each room has different lighting requirements, which is why it is important to meet them.

Engineers working in our design studio will prepare a project which meets all standards and guarantees comfort of use. The customer receives free consultancy and project documentation, guaranteeing the compliance with standards and high quality. The comprehensive project often includes a lighting control system, ensuring maximum energy savings during use.

We support our customers in the selection of the lighting concept, the products, as well as by preparing visualizations.

DIALux

AUTODESK
REVIT

SOLIDWORKS

Industry led evo / 48w, 60w, 90w, 102w

Rated power [W]	Colour temperature [K]	Luminous flux [lm]	Beam angle [°]	LS type	Dimensions (T/H/W) [mm]	Index
48	4000	5900	20	LS1	1210/137/70	540639
48	4000	5900	20	LS2	1210/137/70	540578
48	4000	6500	45	LS1	1210/137/70	540622
48	4000	6500	45	LS2	1210/137/70	540561
48	4000	6600	60	LS1	1210/137/70	540615
48	4000	6600	60	LS2	1210/137/70	540554
48	4000	6700	90	LS1	1210/137/70	540608
48	4000	6700	90	LS2	1210/137/70	540547
48	4000	6150	asymmetric	LS1	1210/137/70	540592
48	4000	6150	asymmetric	LS2	1210/137/70	540530
48	4000	6050	butterfly	LS1	1210/137/70	540585
48	4000	6050	butterfly	LS2	1210/137/70	540523
60	4000	8400	20	LS1	1490/137/70	541421
60	4000	8400	20	LS2	1490/137/70	541483
60	4000	9350	45	LS1	1490/137/70	541438
60	4000	9350	45	LS2	1490/137/70	541490
60	4000	9500	60	LS1	1490/137/70	541445
60	4000	9500	60	LS2	1490/137/70	541506
60	4000	9650	90	LS1	1490/137/70	541452
60	4000	9650	90	LS2	1490/137/70	541513
60	4000	8800	asymmetric	LS1	1490/137/70	541469
60	4000	8800	asymmetric	LS2	1490/137/70	541520
60	4000	8700	butterfly	LS1	1490/137/70	541476
60	4000	8700	butterfly	LS2	1490/137/70	541537
90	4000	11750	20	LS1	1490/137/70	540394
90	4000	11750	20	LS2	1490/137/70	540332
90	4000	13000	45	LS1	1490/137/70	540387
90	4000	13000	45	LS2	1490/137/70	540325
90	4000	13250	60	LS1	1490/137/70	540370
90	4000	13250	60	LS2	1490/137/70	540318
90	4000	13400	90	LS1	1490/137/70	540363
90	4000	13400	90	LS2	1490/137/70	540301
90	4000	12300	asymmetric	LS1	1490/137/70	540356
90	4000	12300	asymmetric	LS2	1490/137/70	540295
90	4000	12150	butterfly	LS1	1490/137/70	540349
90	4000	12150	butterfly	LS2	1490/137/70	540288
102	4000	13550	20	LS1	1490/137/70	541735
102	4000	13550	20	LS2	1490/137/70	541674
102	4000	15100	45	LS1	1490/137/70	541728
102	4000	15100	45	LS2	1490/137/70	541667
102	4000	15350	60	LS1	1490/137/70	541711
102	4000	15350	60	LS2	1490/137/70	541650
102	4000	15600	90	LS1	1490/137/70	540936
102	4000	15600	90	LS2	1490/137/70	540950
102	4000	14200	asymmetric	LS1	1490/137/70	541698

Industry led evo / 102w, 153w

Rated power [W]	Colour temperature [K]	Luminous flux [lm]	Beam angle [°]	LS type	Dimensions (T/H/W) [mm]	Index
102	4000	14200	asymmetric	LS1	1490/137/70	541698
102	4000	14200	asymmetric	LS2	1490/137/70	541636
102	4000	14050	butterfly	LS1	1490/137/70	541681
102	4000	14050	butterfly	LS2	1490/137/70	541629
153	4000	20350	20	LS1	1490/190/70	541889
153	4000	20350	20	LS2	1490/190/70	541896
153	4000	22850	45	LS1	1490/190/70	541926
153	4000	22850	45	LS2	1490/190/70	541933
153	4000	23250	60	LS1	1490/190/70	541964
153	4000	23250	60	LS2	1490/190/70	541971
153	4000	23400	90	LS1	1490/190/70	540943
153	4000	23400	90	LS2	1490/190/70	540967

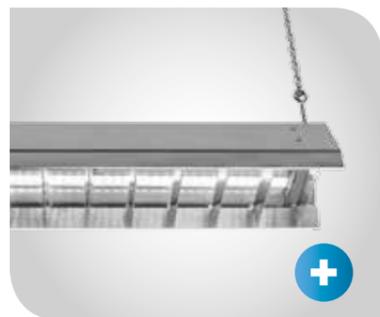
Industry led basic / beam angle: 20°, 45°, 60°, 90°

Rated power [W]	Colour temperature [K]	Luminous flux [lm]	Beam angle [°]	LS type	Dimensions (T/H/W) [mm]	Index
58	4000	6750	20	LS1	1210/137/70	531378
58	4000	6750	20	LS2	1210/137/70	531385
58	4000	7550	45	LS1	1210/137/70	531415
58	4000	7550	45	LS2	1210/137/70	531422
58	4000	7700	60	LS1	1210/137/70	531453
58	4000	7700	60	LS2	1210/137/70	531460
58	4000	7750	90	LS1	1210/137/70	531316
58	4000	7750	90	LS2	1210/137/70	531323
66	4000	8450	20	LS1	1490/137/70	531217
66	4000	8450	20	LS2	1490/137/70	531224
66	4000	9500	45	LS1	1490/137/70	531255
66	4000	9500	45	LS2	1490/137/70	531262
66	4000	9700	60	LS1	1490/137/70	531293
66	4000	9700	60	LS2	1490/137/70	531309
66	4000	9750	90	LS1	1490/137/70	531156
66	4000	9750	90	LS2	1490/137/70	531163

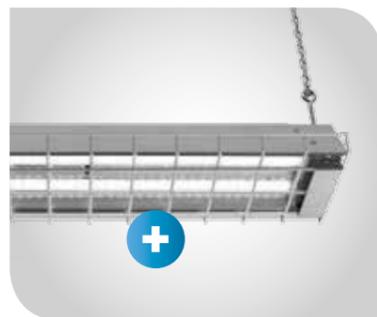
All Industry version is available with DALI.

RETROFIT REPLACEMENT CHART

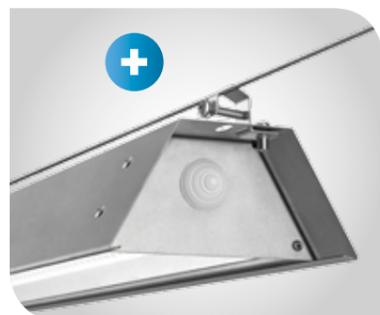
METAL HALIDE / MERCURY		LED GO!
Highbay 400W metal-halide	➔	INDUSTRY LED EVO 153W
Highbay 400W mercury	➔	INDUSTRY LED EVO 102W
Highbay 250W metal-halide	➔	INDUSTRY LED EVO 102W
Highbay 150W metal-halide	➔	INDUSTRY LED EVO 60W



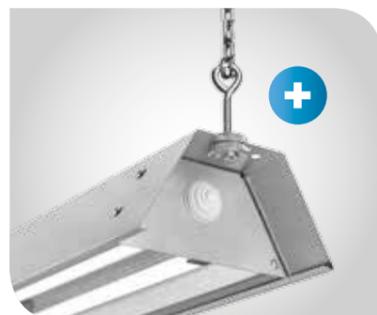
ALUMINIUM LOUVER
for 1490mm version - index no. 540004
for 1210mm version - index no. 540011
(Does not apply to version 153W)



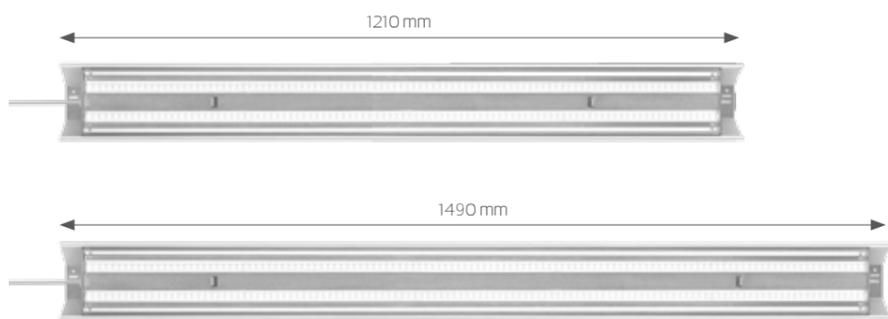
PROTECTIVE GRID
for 1490mm version - index no. 541254
for 1210mm version - index no. 541599
(Does not apply to version 153W)



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



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



CE | ALL OUR PRODUCTS MEET EUROPEAN STANDARDS

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

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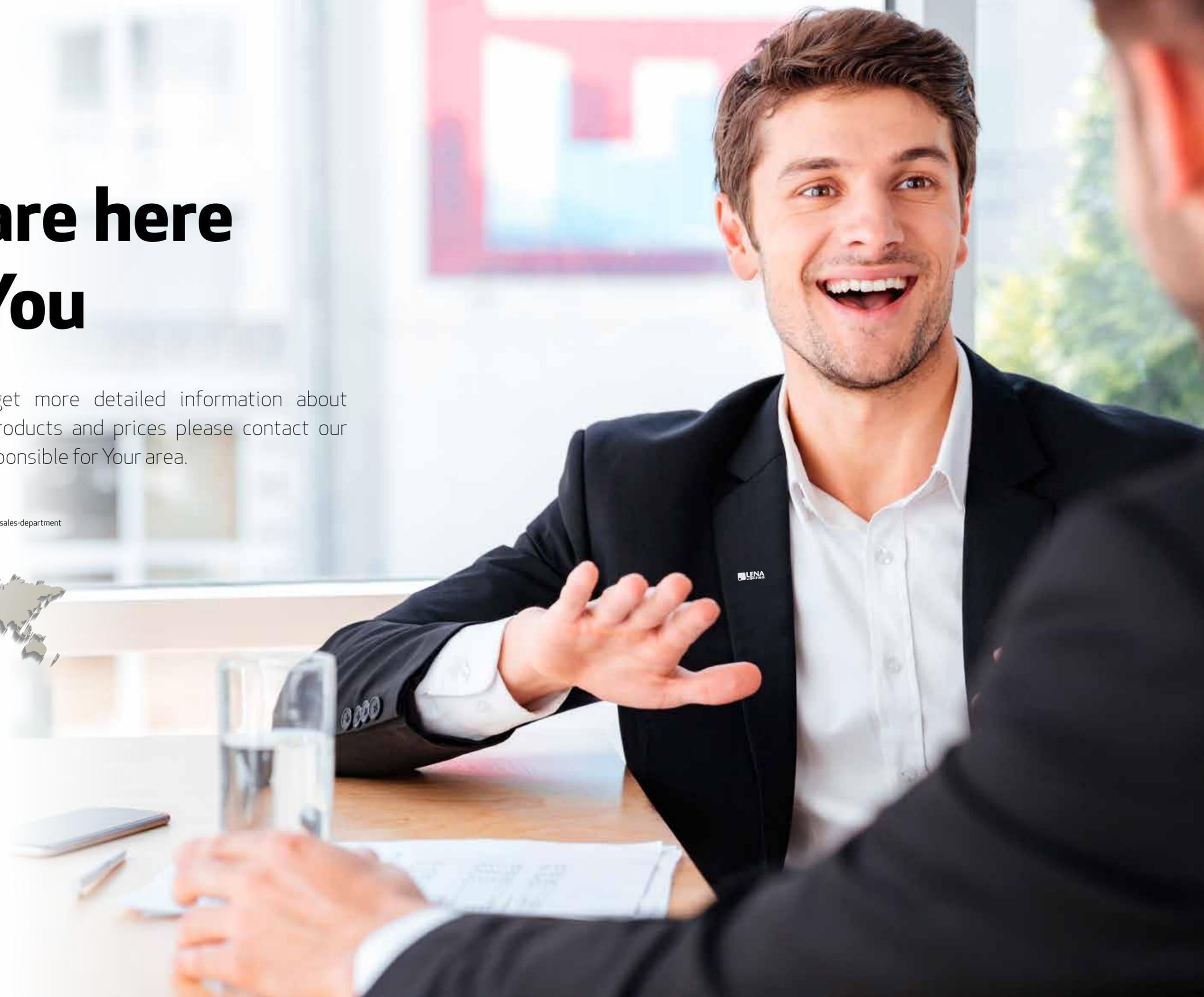
We are here for You

In order to get more detailed information about distribution, products and prices please contact our employees responsible for Your area.

 www.lenalighting.pl/en/contact/sales-department

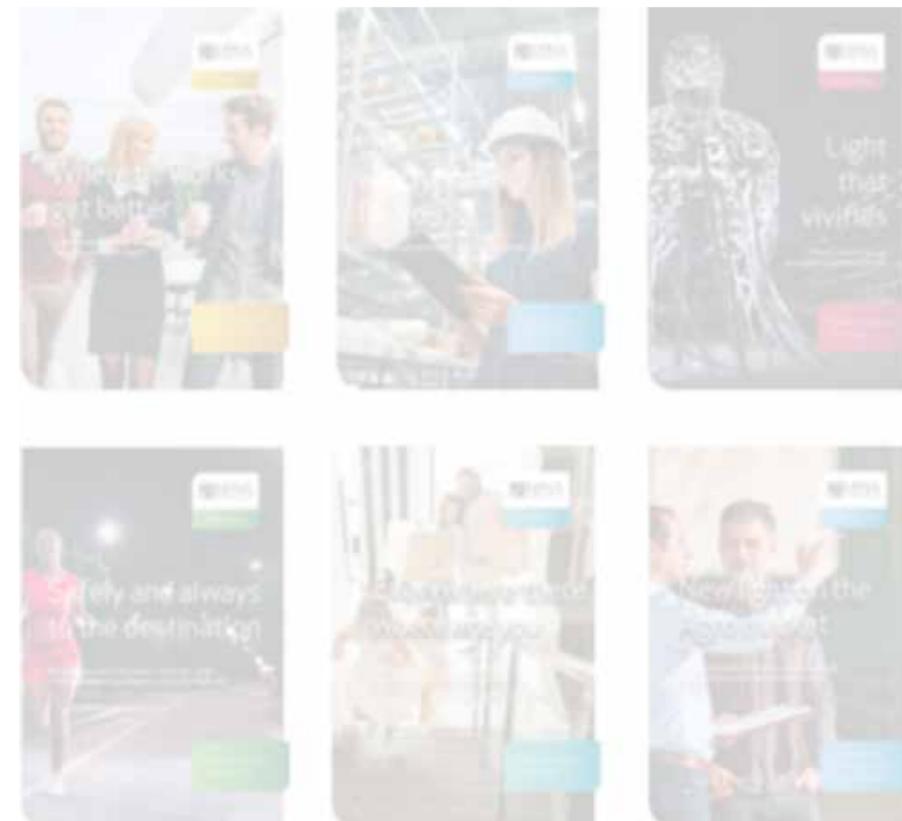
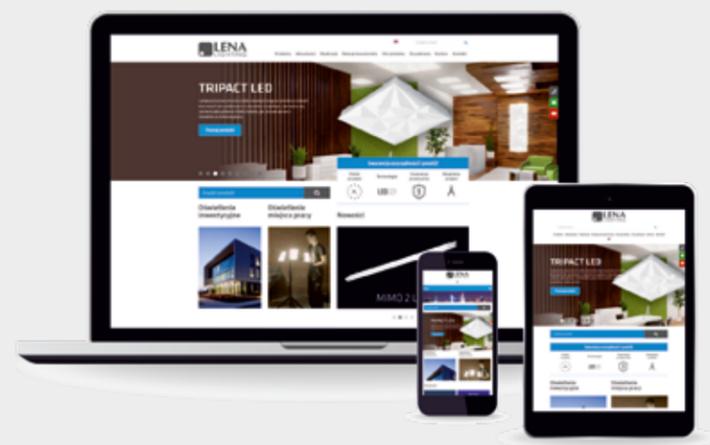


Lena Lighting S.A.
ul. Kórnicka 52
63-000 Środa Wielkopolska
POLAND
tel. +48 (61) 28 60 300
e-mail: office@lenalighting.pl
www.lenalighting.pl/en



Much more to discover...

Due to the limited number of pages, we could not include in this release all the information we would like to share with you. That is why a number of booklets dedicated to various applications has been created to present the offer versatility. We encourage you to take full advantage of them. Do you need personalized information? Do not hesitate to contact us. You are also welcome to visit our website www.lenalighting.pl/en



Coming soon...

We are working on a set of folders presenting the complete offer of our LED lighting divided into main segments: OFFICE, INDUSTRY, ARCHITECTURE, STREETS AND ROADS, REAL ESTATE and PUBLIC USE. We will distinguish them by color division to make the message more consistent and give a new expression to our offer.

www.lenalighting.pl/en

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INDUSTRY

LENA
LIGHTING



More
than
Industry

Lena Lighting S.A.
ul. Kornicka 52
63-000 Środa Wielkopolska
tel. +48 (61) 28 60 300
e-mail: office@lenalighting.pl

www.lenalighting.pl/en