LENA LIGHTING

CODAR RS LED EVO

Introducing our product

CODAR RS LED EVO is a new generation of IP66 fittings using the latest LED technology and offering more profits.

Working conditions for this type of fitting require the technical solutions and materials of the highest quality. The engineers engagement resulted in a spectacular luminous flux of 130 lm/W, moreover precisely selected LEDs ensure SDCM < 4

Highly uniform efficient **LED**GO! luminaire

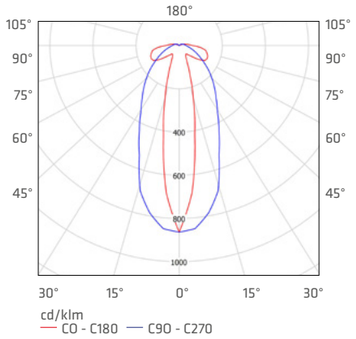
130 lm/W

Constructor and Designer
Michał Fojut

"While working on CODAR RS LED fitting, my purpose was to obtain very high luminous flux, to improve the lighting effect and as a final result to cause the investor's savings by using the luminaire. Thanks to the luminous flux of 130 lm/W I have managed to reach my goal, which makes me really proud."

Codar RS LED
EVO **HALL**

Fittings with narrow beam angle are suitable for production halls and warehouses.
They ensure ideal lighting of the surface and comfort of work.

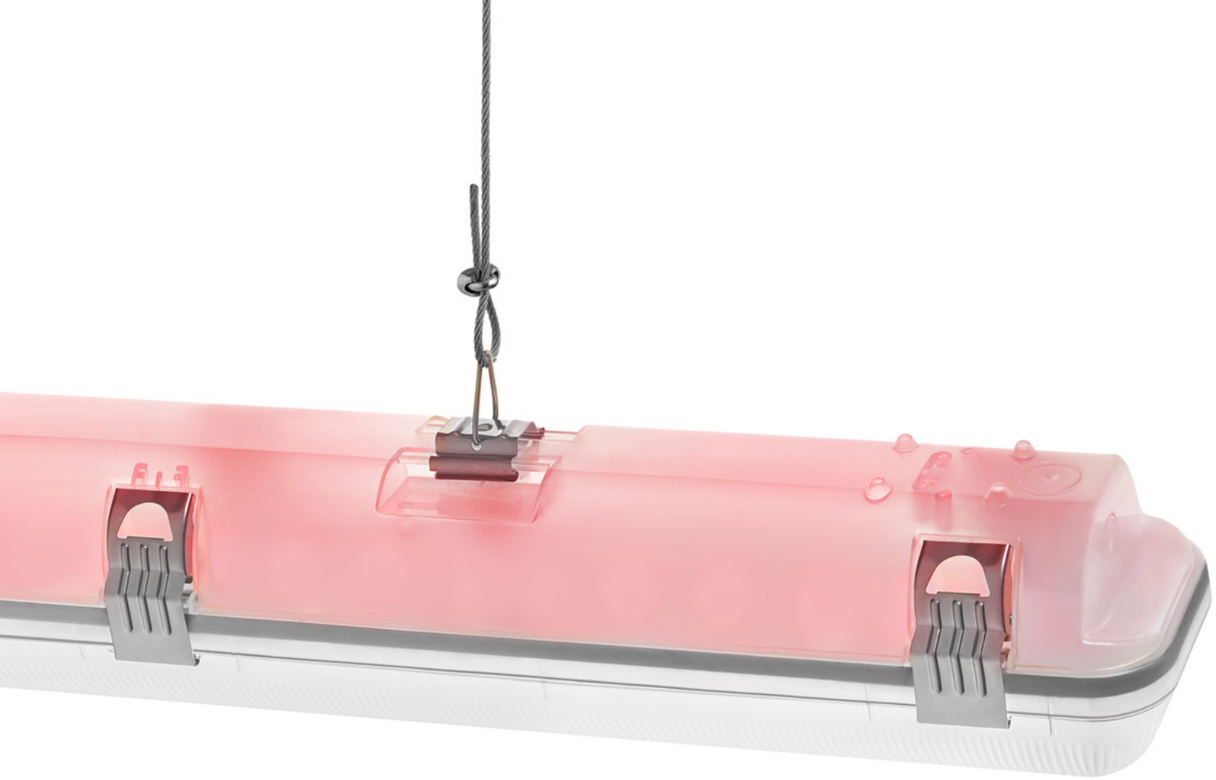


Codar RS LED EVO **ENDURA**

Fittings which can cope with difficult conditions without changing their parameters should be used in rooms with high temperatures. ENDURA version will be perfect in this case.

Codar RS LED EVO **ENDURA**

Our fittings prove themselves also in rooms with low temperatures. Unfriendly environmental conditions do not influence its reliability.

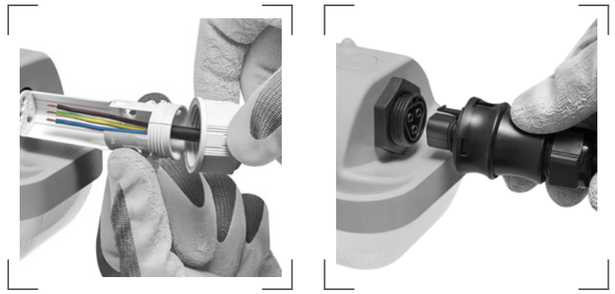


Codar RS LED EVO **INDIRECT**

Vandal-resistant fitting with a discreet indirect light source and high ingress protection class. Therefore it is suitable for using in multi-level and underground car parks, where it enables to locate the proper parking space depending on the lighting color.

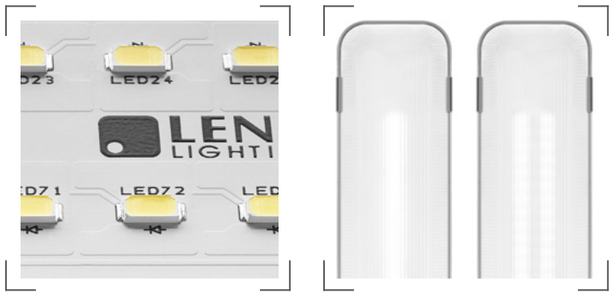
What's inside?

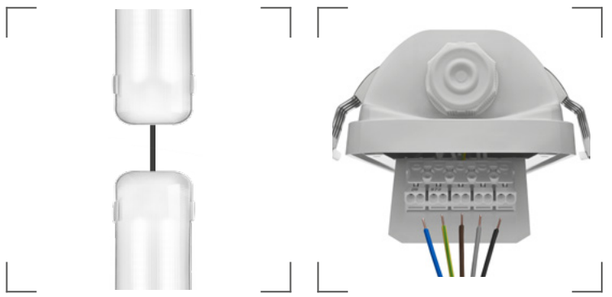
Thanks to **Rapid-A** and **Rapid-D** connection, the power supply is fast and easy and it does not require the fitting's disassembly.



A reclining component with a **three-pole terminal block** makes the power supply easier.

The **new LED GO! modules** ensure better control over the LEDs' temperature.

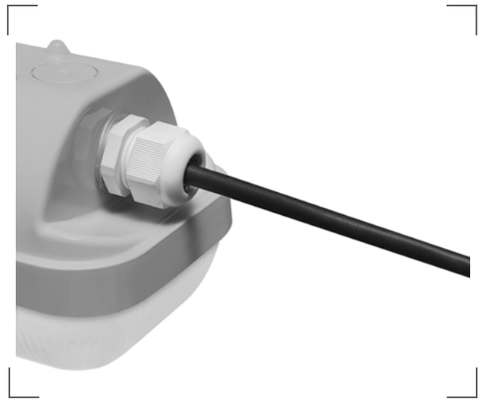




Thanks to **LS2 through-wiring**, the fittings can be easily connected in line.

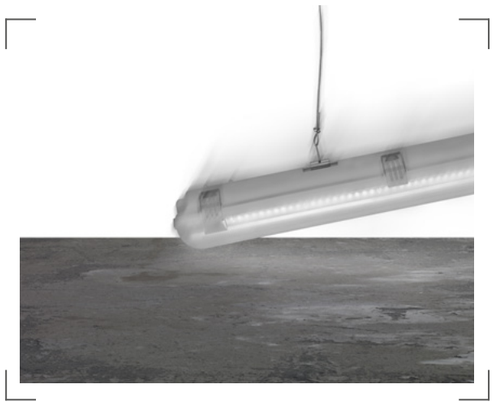
IP66

Silicone gasket ensures very high ingress protection class of the fitting IP66. Therefore the fitting can be used in the areas with high levels of moisture and dust.



IK09

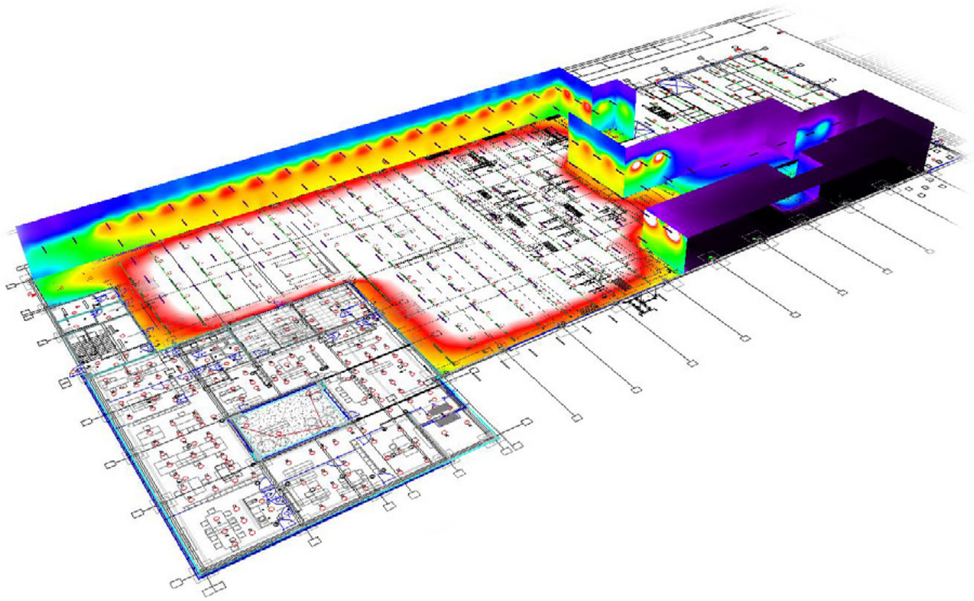
Fitting's body and diffuser made of polycarbonate ensure high impact protection class IK09.



Surface & suspended mounting

The fitting gets a really wide range of applications thanks to three available body lenghts and possibility of surface and suspended mounting on a steal rope.

Case study



Case study

The Investor built a new production hall with a surface of 19000 m^2. The building was designed for precision production purposes so the required luminous flux on the rooms' floor was 500 lx.

Due to the building occupancy of 24 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, because each stoppage in the production process causes unnecessary costs.

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

Less fittings - the same effect

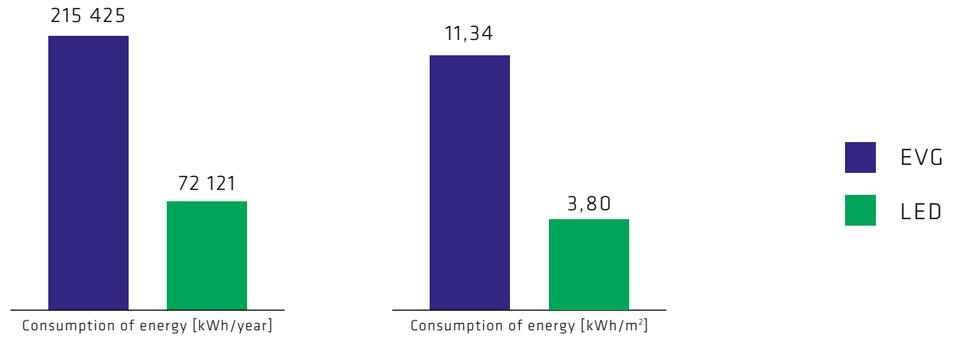
137

CODAR RS LED EVO 60W

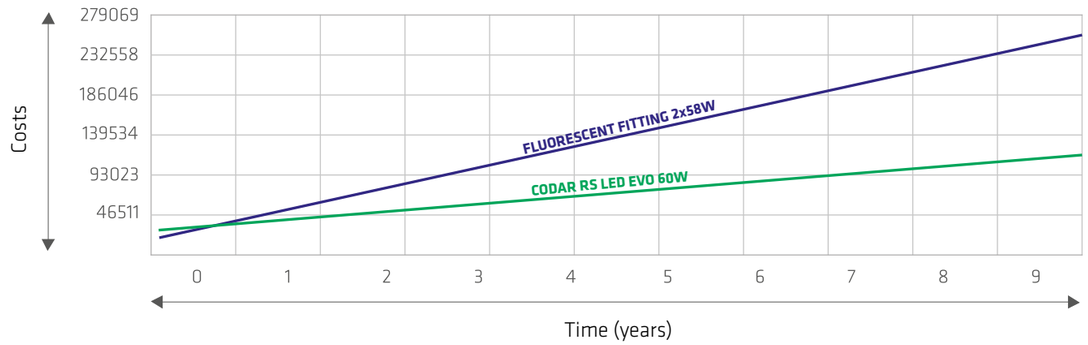
212

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 35% less fittings installed (137 pieces of CODAR RS LED EVO 60W vs 212 pieces of IP65 2x58W fluorescent fitting), which resulted in significant savings of the costs of installation. Due to using CODAR RS LED EVO fittings, the costs were also decreased.

The effect was reached not only thanks to 66% 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.

The cost of buying CODAR RS LED EVO fittings is a bit higher, but the cost of energy is lower and the estimated time for return on investement is scheduled to less than 6 months. After this time the Investor will experience constant, dynamic profits' increase thanks to using LED fittings

The basic assumption of case study:

Time of lighting 24 hours per day; scheduled for 10 years; price for 10 kWh - 1,16euro; 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

CODAR RS LED **EVO**

POWER 30W

Max Power [W]	Colour Temperature [K]	Total Luminous Flux [lm]	Diffuser	EEI	Clips	Sensor	Dimensions A/B/C [mm]	Weight [kg]	Index
30	3000	3500	MAT	A+	PC	-	1269/100/100	2,10	339653
30	4000	3800	MAT	A+	PC	-	1269/100/100	2,10	339660
30	3000	3500	MAT	A+	INOX	-	1269/100/100	2,10	339677
30	4000	3800	MAT	A+	INOX	-	1269/100/100	2,10	339684
30	3000	3500	MAT	A+	PC	RCR	1269/100/100	2,20	339912
30	4000	3800	MAT	A+	PC	RCR	1269/100/100	2,20	339936
30	3000	3500	MAT	A+	INOX	RCR	1269/100/100	2,20	339929
30	4000	3800	MAT	A+	INOX	RCR	1269/100/100	2,20	339950

POWER 32W

Max Power [W]	Colour Temperature [K]	Total Luminous Flux [lm]	Diffuser	EEI	Clips	Sensor	Dimensions A/B/C [mm]	Weight [kg]	Index
32	3000	3600	MAT	A+	PC	-	660/100/100	1,00	357480
32	4000	3900	MAT	A+	PC	-	660/100/100	1,00	357497
32	3000	3600	MAT	A+	INOX	-	660/100/100	1,00	357503
32	4000	3900	MAT	A+	INOX	-	660/100/100	1,00	357510
32	3000	3600	MAT	A+	PC	RCR	660/100/100	0,95	357565
32	4000	3900	MAT	A+	PC	RCR	660/100/100	0,95	357589
32	3000	3600	MAT	A+	INOX	RCR	660/100/100	0,95	357572
32	4000	3900	MAT	A+	INOX	RCR	660/100/100	0,95	357602

POWER 40W

Max Power [W]	Colour Temperature [K]	Total Luminous Flux [lm]	Diffuser	EEI	Clips	Sensor	Dimensions A/B/C [mm]	Weight [kg]	Index
40	3000	4750	MAT	A+	PC	-	1569/100/100	2,20	357244
40	4000	5200	MAT	A+	PC	-	1569/100/100	2,20	357251
40	3000	4750	MAT	A+	INOX	-	1569/100/100	2,20	357268
40	4000	5200	MAT	A+	INOX	-	1569/100/100	2,20	357275
40	3000	4750	MAT	A+	PC	RCR	1569/100/100	2,25	357442
40	4000	5200	MAT	A+	PC	RCR	1569/100/100	2,25	357466
40	3000	4750	MAT	A+	INOX	RCR	1569/100/100	2,25	357459
40	4000	5200	MAT	A+	INOX	RCR	1569/100/100	2,25	357473

POWER 50W

Max Power [W]	Colour Temperature [K]	Total Luminous Flux [lm]	Diffuser	EEI	Clips	Sensor	Dimensions A/B/C [mm]	Weight [kg]	Index
50	3000	6500	MAT	A+	PC	-	1269/100/100	2,10	334917
50	4000	7000	MAT	A+	PC	-	1269/100/100	2,10	339998
50	3000	6500	MAT	A+	INOX	-	1269/100/100	2,10	334931
50	4000	7000	MAT	A+	INOX	-	1269/100/100	2,10	340987

POWER 60W

Max Power [W]	Colour Temperature [K]	Total Luminous Flux [lm]	Diffuser	EEI	Clips	Sensor	Dimensions A/B/C [mm]	Weight [kg]	Index
60	3000	7500	MAT	A+	PC	-	1269/100/100	2,10	339011
60	4000	8150	MAT	A+	PC	-	1269/100/100	2,10	339028
60	3000	7500	MAT	A+	INOX	-	1269/100/100	2,10	339202
60	4000	8150	MAT	A+	INOX	-	1269/100/100	2,10	339233
60	3000	7500	MAT	A+	PC	RCR	1269/100/100	2,20	339424
60	4000	8150	MAT	A+	PC	RCR	1269/100/100	2,20	339431
60	3000	7500	MAT	A+	INOX	RCR	1269/100/100	2,20	339448
60	4000	8150	MAT	A+	INOX	RCR	1269/100/100	2,20	339455

POWER 77W

Max Power [W]	Colour Temperature [K]	Total Luminous Flux [lm]	Diffuser	EEI	Clips	Sensor	Dimensions A/B/C [mm]	Weight [kg]	Index
77	3000	9450	MAT	A+	PC	-	1569/100/100	2,30	357008
77	4000	10250	MAT	A+	PC	-	1569/100/100	2,30	357015
77	3000	9450	MAT	A+	INOX	-	1569/100/100	2,30	357022
77	4000	10250	MAT	A+	INOX	-	1569/100/100	2,30	357039
77	3000	9450	MAT	A+	PC	RCR	1569/100/100	2,25	357206
77	4000	10250	MAT	A+	PC	RCR	1569/100/100	2,25	357220
77	3000	9450	MAT	A+	INOX	RCR	1569/100/100	2,25	357213
77	4000	10250	MAT	A+	INOX	RCR	1569/100/100	2,25	357237

CODAR RS LED EVO **HALL**

Max Power [W]	Colour Temperature [K]	Total Luminous Flux [lm]	Diffuser	EEI	Clips	Sensor	Dimensions A/B/C [mm]	Weight [kg]	Index
60	3000	6700	MAT	A+	PC	-	1269/100/100	2,1	338984
60	4000	7250	MAT	A+	PC	-	1269/100/100	2,1	338991
60	3000	6700	MAT	A+	INOX	-	1269/100/100	2,1	339523
60	4000	7250	MAT	A+	INOX	-	1269/100/100	2,1	339479

CODAR RS LED EVO **ENDURA**

Max Power [W]	Colour Temperature [K]	Total Luminous Flux [lm]	Diffuser	EEI	Clips	Sensor	Dimensions A/B/C [mm]	Weight [kg]	Index
34	4000	4300	MAT	A+	INOX	-	1269/100/100	2,1	334320

CODAR RS LED EVO **INDIRECT**

Max Power [W]	Colour Temperature [K]	Total Luminous Flux [lm]	Diffuser	EEI	Clips	Indirect LED colour	Dimensions A/B/C [mm]	Weight [kg]	Index
32	3000	3500	MAT	A+	PC	RED	1269/100/100	2,1	338656
32	4000	3800	MAT	A+	PC	RED	1269/100/100	2,1	338663
32	3000	3500	MAT	A+	INOX	RED	1269/100/100	2,1	338625
32	4000	3800	MAT	A+	INOX	RED	1269/100/100	2,1	338632

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

Industrial LED lighting

LINEA LED

» Power: 36W, 72W
» Total luminous flux: max. 9650 lm
» Ingress protection class: IP20
» Impact resistance: IK07
» Colour temperature: 3000K, 4000K
» Mounting: surface, suspended
» Optional: DALI

INDUSTRY LED

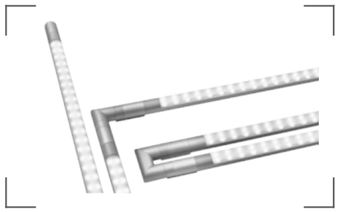
» Power: 48W, 62W, 72W, 90W
» Total luminous flux: 13400 lm (4000K)
» Ingress protection class: IP23
» Colour temperature: 4000K
» Mounting: surface, suspended
» Optional: LS2, DALI, DIMM 1-10V

FORTAN LED

» Power: 16W, 24W, 32W, 40W, 48W, 64W
» Total luminous flux: 6650 lm
» Ingress protection class: IP44
» Colour temperature: 3000K, 4000K
» Mounting: suspended
» Optional: RCR (motion sensor), DALI

FORTAN LED SYSTEM

» Power: 16W, 24W, 32W, 40W, 48W, 64W
» Total luminous flux: 6650 lm
» Ingress protection class: IP44
» Colour temperature: 3000K, 4000K
» Mounting: suspended
» Optional: RCR (motion sensor), DALI



TUBE LED SYSTEM

» Power: 16W, 24W, 32W, 40W
» Total luminous flux: max. 4000 lm
» Ingress protection class: IP65
» Impact resistance: IK08
» Colour temperature: 3000K, 4000K
» Mounting: surface, suspended
» Optional: through-wiring

CONNECT LED

» Power: 40W, 80W, 2x40W, 2x80W
» Total luminous flux: max. 17000 lm
» Ingress protection class: IP20
» Colour temperature: 4000K
» Mounting: suspended

FACTOR LED Z

» Power: 156W, 208W, 260W
» Total luminous flux: 31 000 lm
» Ingress protection class: IP65
» Impact resistance: IK10
» Colour temperature: 4000K, 5000K
» Mounting: suspended
» Beam angle: 90°, 30°/115°

FACTOR LED N

» Power: 104W, 156W, 208W
» Total luminous flux: 24 800 lm
» Ingress protection class: IP65
» Impact resistance: IK10
» Colour temperature: 4000K, 5000K
» Mounting: surface
» Beam angle: 90°, 30°/115°

SPECTO LED

» Power: 8W, 12W, 16W, 20W, 24W, 32W, 40W
» Total luminous flux: 4400 lm
» Ingress protection class: IP40
» Colour temperature: 3000K, 4000K
» Mounting: surface

VECTOR II LED

» Power: 16W, 32W, 40W, 48W, 64W
» Total luminous flux: 5900 lm
» Ingress protection class: IP40
» Colour temperature: 3000K, 4000K
» Mounting: surface
» Optional: RCR (motion sensor)

FACTORIA LED

» Power: 52W, 104W, 156W, 208W
» Total luminous flux: 24 800 lm
» Ingress protection class: IP65
» Impact resistance: IK10
» Colour temperature: 4000K, 5000K
» Mounting: recessed
» Beam angle: 90°, 30°/115°

QUEST LED

» Power: 50W, 72W, 120W
» Total luminous flux: 12000 lm
» Ingress protection class: IP66
» Impact resistance: IK08
» Colour temperature: 4000K

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

Complete offer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Recessed and surface fittings


Downlights


Industrial fittings


Floodlights


Bulkheads


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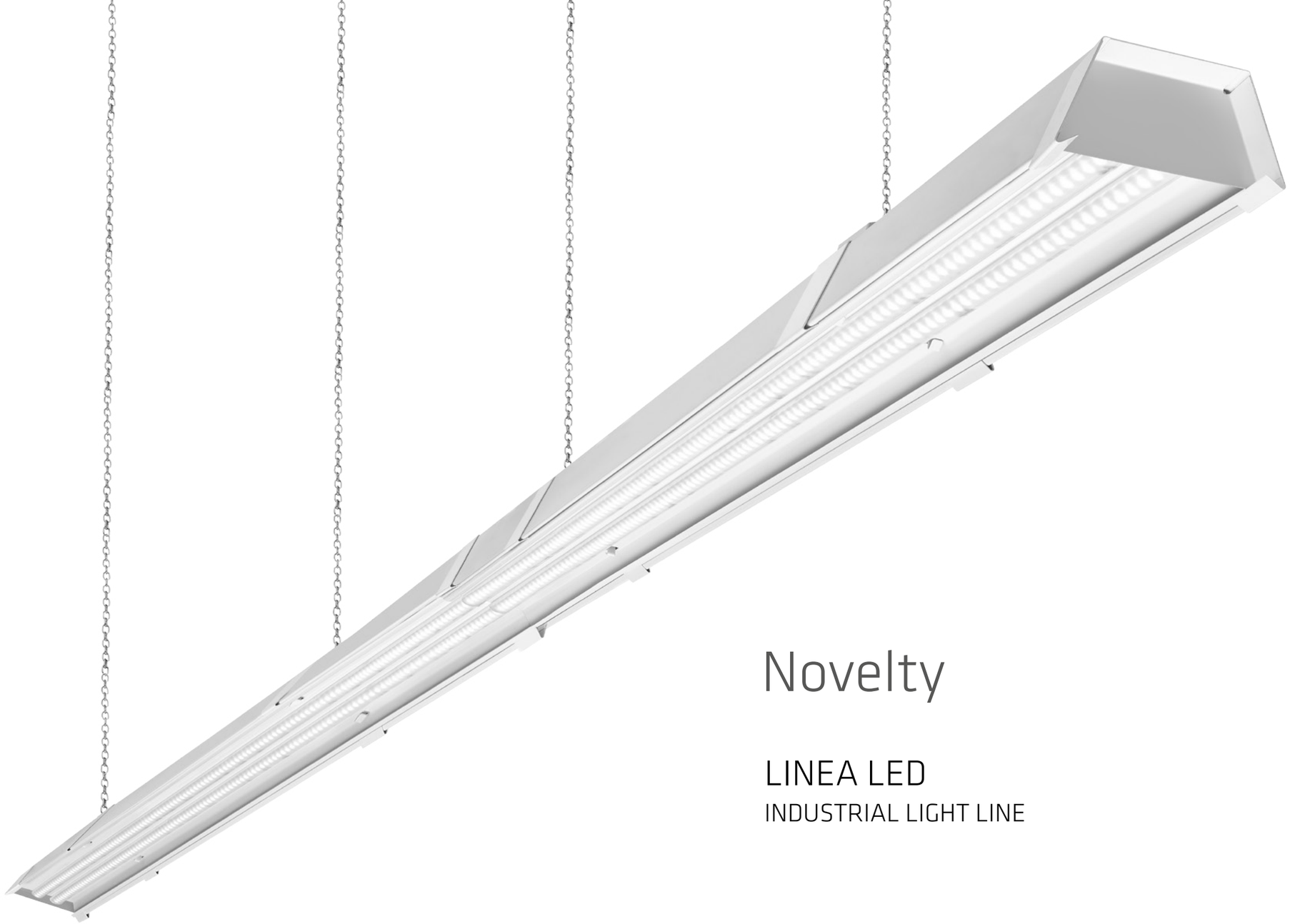
Emergency fittings


Street lighting



Novelty

LINEA LED
INDUSTRIAL LIGHT LINE

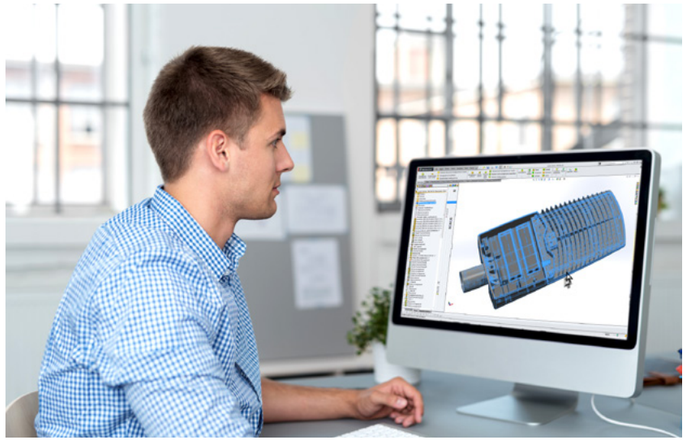
LED GO!

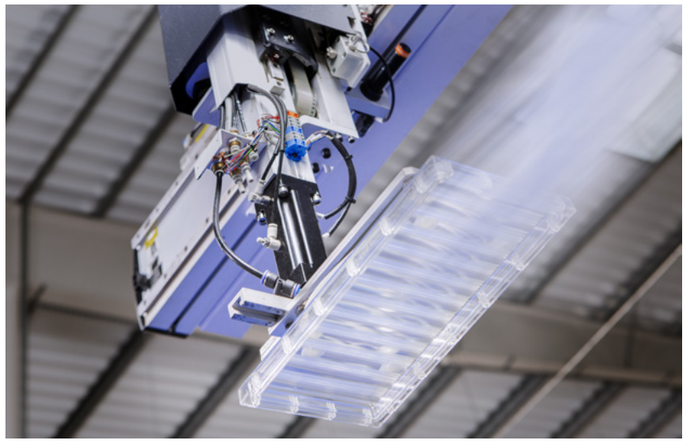
For years Lena Lighting S.A. has been a leading producer of professional, investment light fittings. Thanks to the cooperation with biggest electro-technical wholesalers and our own network of sales representatives, Lena Lighting's investment light fittings can be found wherever the highest quality of lighting is required. By developing the exports to more than 60 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.

LENA LIGHTING

POLISH MANUFACTURER





LENA LIGHTING

LED GO!

CODAR RS LED EVO

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