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

130 lm/W

Connor 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.”
Cedar 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.
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.
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.

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 lengths and possibility of surface and suspended mounting on a steel rope.
Case study

The Investor built a new production hall with a surface of 19,000 m². 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.

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 investment 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 - 1.16 euro; the cost of the light sources on the basis of average market prices, frequency of replacing the light sources according to the lifespan.
## CODAR RS LED EVO

### POWER 30W

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### CODAR RS LED EVO ENDURA

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### CODAR RS LED EVO INDIRECT

Details and technical data sheets available at: [www.lenalighting.pl](http://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: L52, DALI, SIMM 1-10V

**TUBE LED SYSTEM**
- Power: 16W, 24W, 32W, 40W
- Total luminous flux: 17100 lm
- Ingress protection class: IP20
- Colour temperature: 3000K, 4000K
- Mounting: surface, suspended
- Optional: through-wiring

**CONNECT LED**
- Power: 40W, 80W, 2x40W, 2x80W
- Total luminous flux: 40000K
- Ingress protection class: IP20
- Colour temperature: 4000K
- Mounting: suspended

**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: 15800 lm
- Ingress protection class: IP40
- Colour temperature: 3000K, 4000K
- Mounting: surface
- Optional: RCR (motion sensor)

**FORTAN LED**
- Power: 10W, 24W, 32W, 40W, 48W, 64W
- Total luminous flux: 6650 lm
- Ingress protection class: IP44
- Colour temperature: 4000K, 4000K
- Mounting: suspended
- Optional: RCR (motion sensor), DALI

**FORTAN LED SYSTEM**
- Power: 10W, 24W, 32W, 40W, 48W, 64W
- Total luminous flux: 6650 lm
- Ingress protection class: IP44
- Colour temperature: 4000K, 4000K
- Mounting: suspended
- Optional: RCR (motion sensor), DALI

**FACTO Z LED**
- Power: 16W, 20W, 26W
- Total luminous flux: 81000 lm
- Ingress protection class: IP65
- Impact resistance: IK10
- Colour temperature: 4000K, 5000K
- Mounting: suspended
- Beam angle: 50°, 10°/115°

**FACTO N LED**
- Power: 104W, 208W, 260W
- Total luminous flux: 24 800 lm
- Ingress protection class: IP65
- Impact resistance: IK10
- Colour temperature: 4000K, 5000K
- Mounting: surface
- Beam angle: 50°, 10°/115°

**FACTO RIA 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

- 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
INDUSTRIAL LIGHT LINE
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-efficiency. Electronic systems increase the energy efficiency, at the same time improving the illumination quality. The use of energy-efficient fluorescent lamps and LEDs light sources gives us significant economic and environmental benefits.
LED GO!
CODAR RS LED EVO

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fax. +48 (61) 28 54 059

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