



RETAIL & SHOPPING  
LIGHTING

**LUG is professional and experienced  
supplier of lighting  
for retail and shop applications  
to boost your sales!**



**Annually we provide lighting to thousands  
of shops and participate in many  
events dedicated for retail business.**





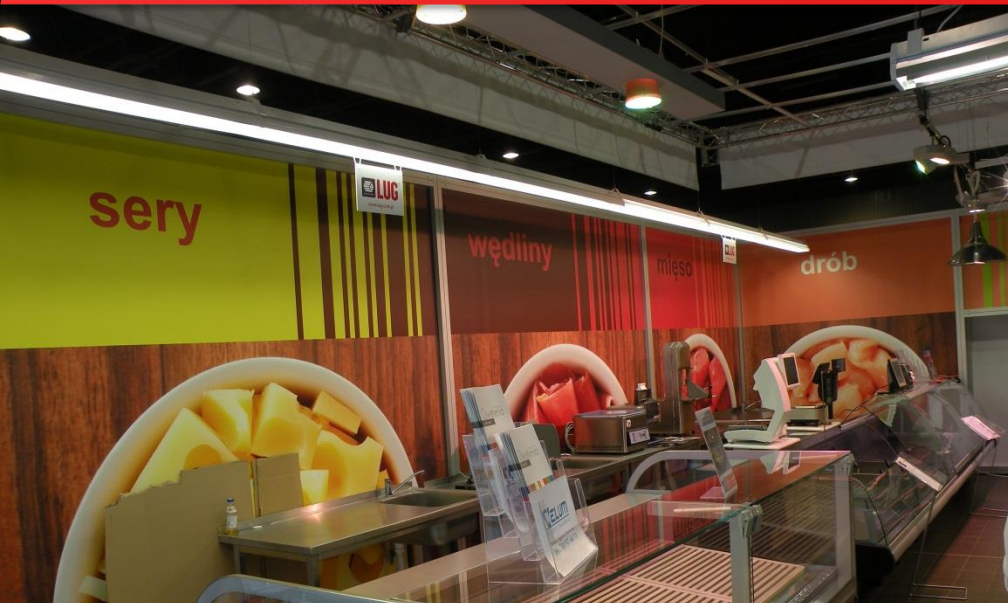






During last two editions of RETAILShow LUG luminaires were presented in a model shop as a lighting perfect for retail.





## Applications of LUG products in retail



BOUTIQUES



DELICATESSEN



SHOPPING MALLS



SUPERMARKET





BOUTIQUES





OFFICE / RETAIL LIGHTING SOLUTION:  
**LUGSTAR PREMIUM LED**



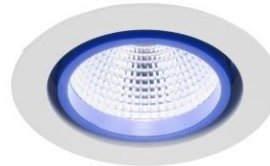
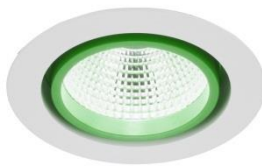
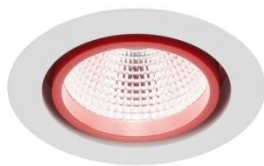
Product delivered to the following projects:

- University College Dublin, Sutherland School of Law
- “Pier B” – the oldest part of Dublin Airport, Ireland
- WEB Tower in Berlin, Germany
- JBC Chain Stores in Belgium



## LUGSTAR PREMIUM LED

- Downlight luminaire of modern design
- Passive cooling system
- Light intensity control available
- **Estimated lifespan 50 000 h**
- Flux maintenance >70%
- OSRAM PrevaLed Core + OSRAM driver
- Colorful rings available







## LUGSTAR PREMIUM LED

- Luminaire efficacy up to 100 lm/W
- Available flux 1500, 2000 , 3000lm and 5000lm  
(5000 lm is replacement of 70W MH,  
3000K and 4000K, HI-CRI available ( > 90))
- White colour temperature 3000 and 4000K
- CRI > 80



**System efficacy  
up to 100 lm/W**



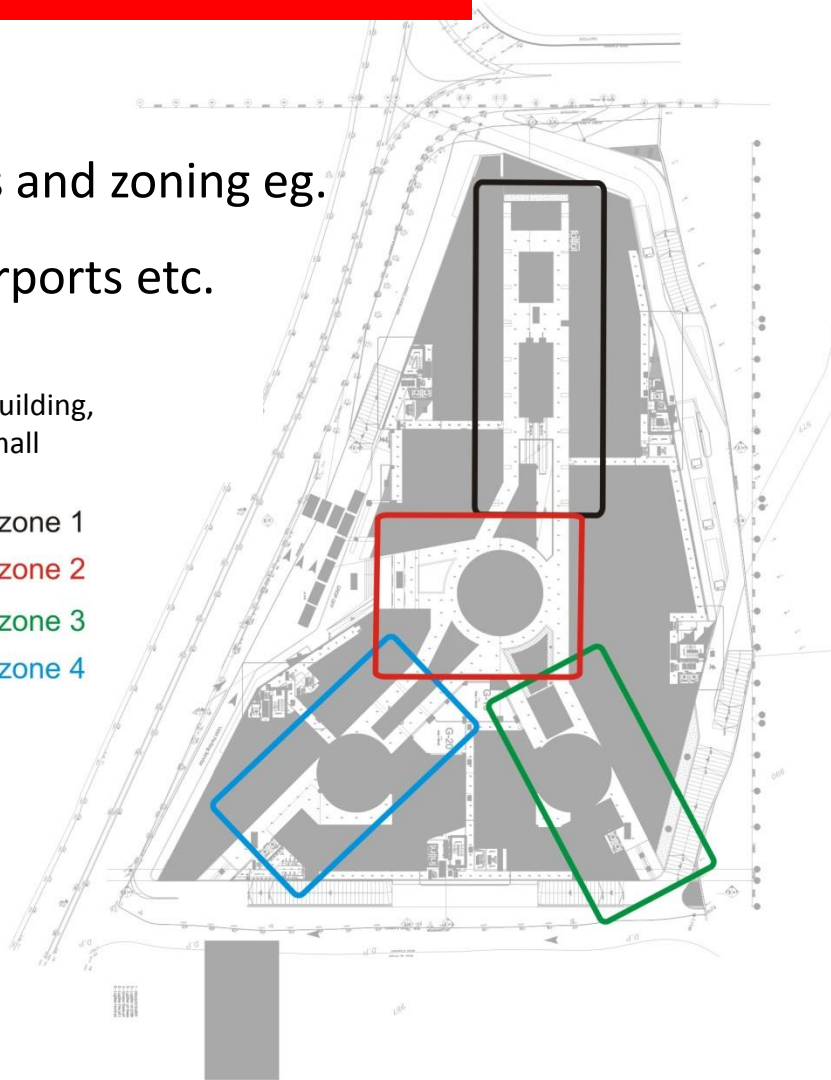
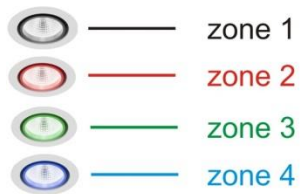
## LUGSTAR PREMIUM LED

Colorful rings

for corporate colours and zoning eg.

at shopping malls, airports etc.

Public Utility Building,  
eg. Shopping mall

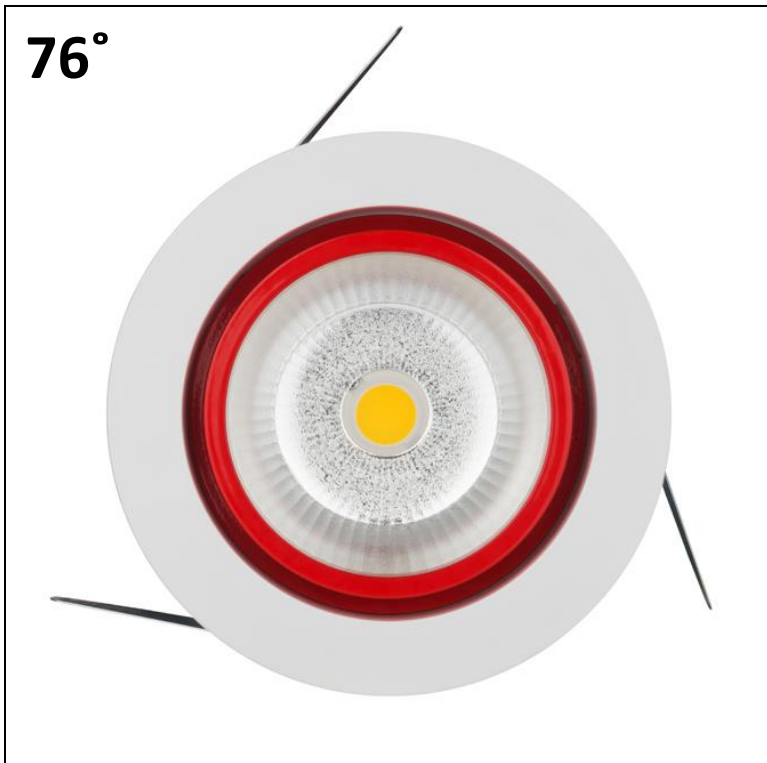




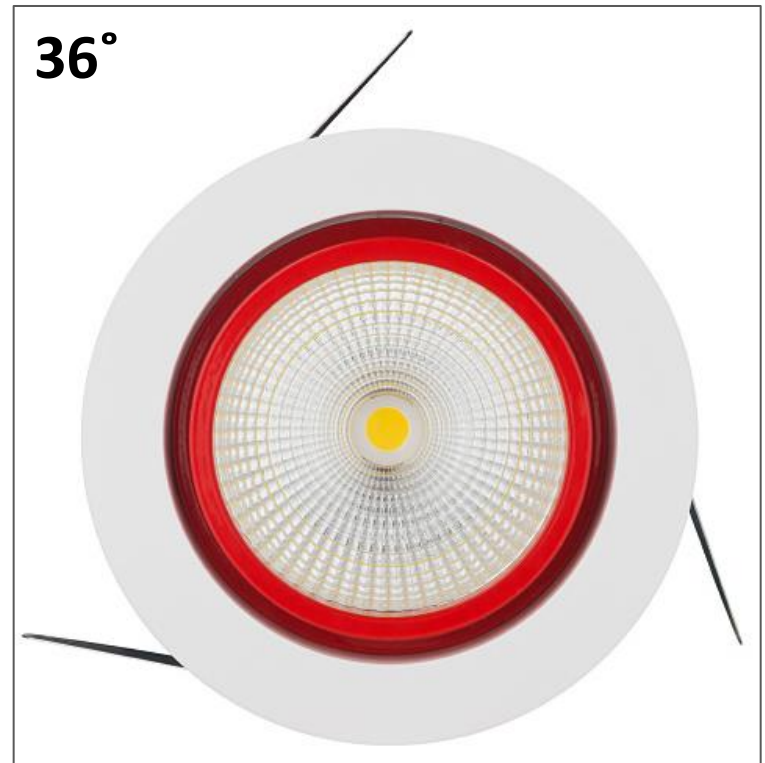


## LUGSTAR PREMIUM LED – two reflector types

76°



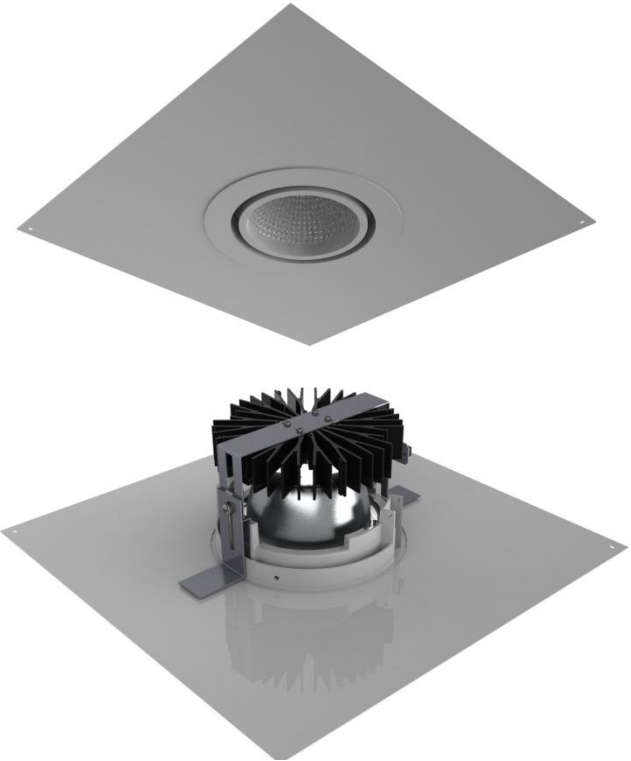
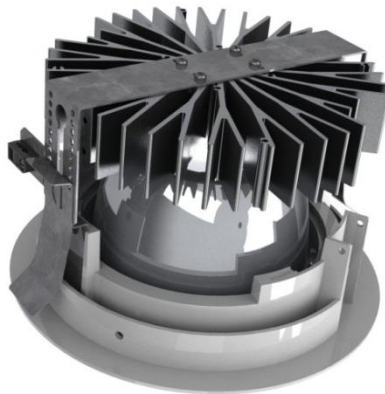
36°





## LUGSTAR PREMIUM LED

- Easy tool-less mounting system
- Available special versions for specific ceilings  
eg. soft ceiling
- Available special solution for mounting  
in bigger mounting holes (additional plate)



**System efficacy up to 90 lm/W**



## Case Study No 1

### LED DOWNLIGHT ADVANTAGES



Type of luminaire	Other European brand 2x26W	LUGSTAR PREMIUM LED
System power	54W	<b>29 W</b>
Light source flux	3600 lm	3000 lm
Luminaire efficiency	61%	<b>82%</b>
Luminaire flux	2196 lm	<b>2460 lm</b>
Efficacy	45,5 lm/W	<b>85 lm/W</b>
Energy cost per one luminaire* <small>*3000h; 0,27 EUR = 1 kWh</small>	44 EUR	23,5 EUR





Boutique,  
100m<sup>2</sup>



BENEFITS from LUGSTAR PREMIUM LED use:  
up to 70% in the year



**JBC, Kortrijk, Belgium**

**RETAIL LIGHTING SOLUTION:  
NUOVO LED**





## NUOVO LED



- Modern design
- Efficacy up to **88 lm/W** !
- Passive cooling – ensures proper air circulation, what increases lifespan of LED sources
- Luminaire output: 3000 lm / 5000 lm
- 5000 lm = replacement of 70W MH
- Luminaire in 95% made of recyclable components





**HB 886**

 **FLASH&DQ**



**2012**

**Great efficacy – not only unique design!**

**HB 886****100**  
LUMENS WATT **FLASH & DQ**

**Impressive decorative LED high bay  
luminaire designed for modern interiors**

**Key features:**

- Optics: microprismatic diffuser for LED
- Construction based on plastic polyester material (resin)
- Efficacy: 100 lm/W

**Great efficacy – not only unique design!**



**100**  
LUMENS WATT



**GIKS Roeselare, Belgium**

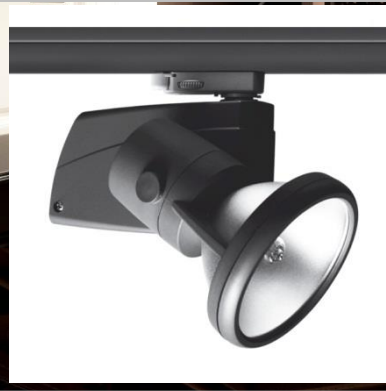






## STATE OF ART Chain Boutique

### Robin



ROBIN HIR



ROBIN MINI LED



ROBIN MINI



ROBIN MINI PLUS



ROBIN V



ROBIN H





**O'MODA CHAIN BOUTIQUE,  
BELGIUM**







**MAN CHAIN BOUTIQUE,**  
**RUSSIA**



**BOUTIQUE**

**PROXIMA**



**Savings for 20 luminaires:**

**878 €/year**





## Filters and antiglare louvers





**W. SLIWINSKI, Lodz**

**LUGSTAR FIRE MINI 2**



**DIAMOND MH p/t**



DELICATESSEN







**ALMA MARKET**

**LUGSFERA DECOR**







**ALMA MARKET**

**DIAMOND HALOGEN**





**CENTRUM DELICATESSEN**

**ROUND**





## SHOPPING MALLS





## CUPRUM ARENA

### Facts in numbers:

- 70 000 m<sup>2</sup> of area
- 35 000 m<sup>2</sup> of sales area
- 2000 m<sup>2</sup> of office spaces
- 900 parking places
- 150 m diameter
- Project nominated to  
**EUROPEAN SHOPPING  
CENTER AWARD 2010**
- First shopping mall on the world  
designed on a circular plan





**CUPRUM ARENA**

**MODENA**







**CUPRUM ARENA**

**LUGSTAR ECO p/t**

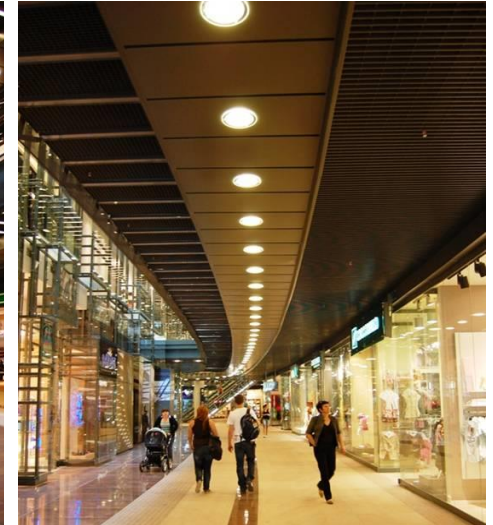


**Savings for 2000 luminaires**

**39 337 €**



## CUPRUM ARENA



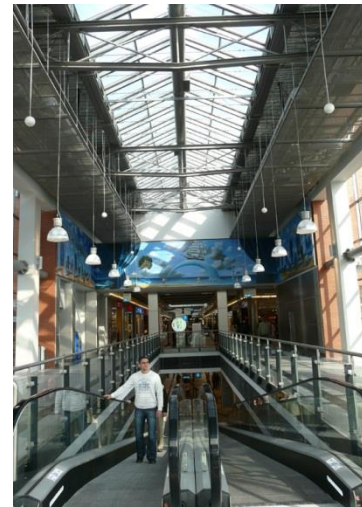


**FOCUS MALL**





## FOCUS MALL





**FOCUS MALL**

**FOCUS MH and HALOGEN**



FOCUS



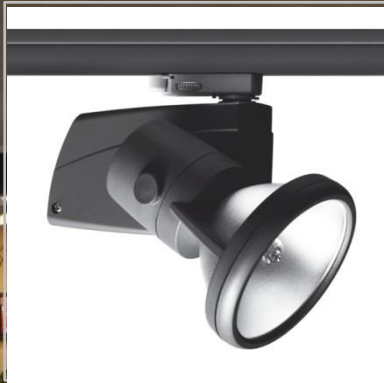
FOCUS n/t



FOCUS WALL



**Przymorze Shopping Mall,  
Gdansk**





**Orkana Shopping Mall,  
Lublin**



**Orkana Shopping Mall,  
Lublin**







**Steinkjer Shopping Mall,  
Norway**



**Sandomierska Shopping Mall,  
Sandomierz**





**Nowy Swiat Shopping Mall,  
Zywiec**



## SUPERMARKETS





**E.LECLERC, Gdansk**

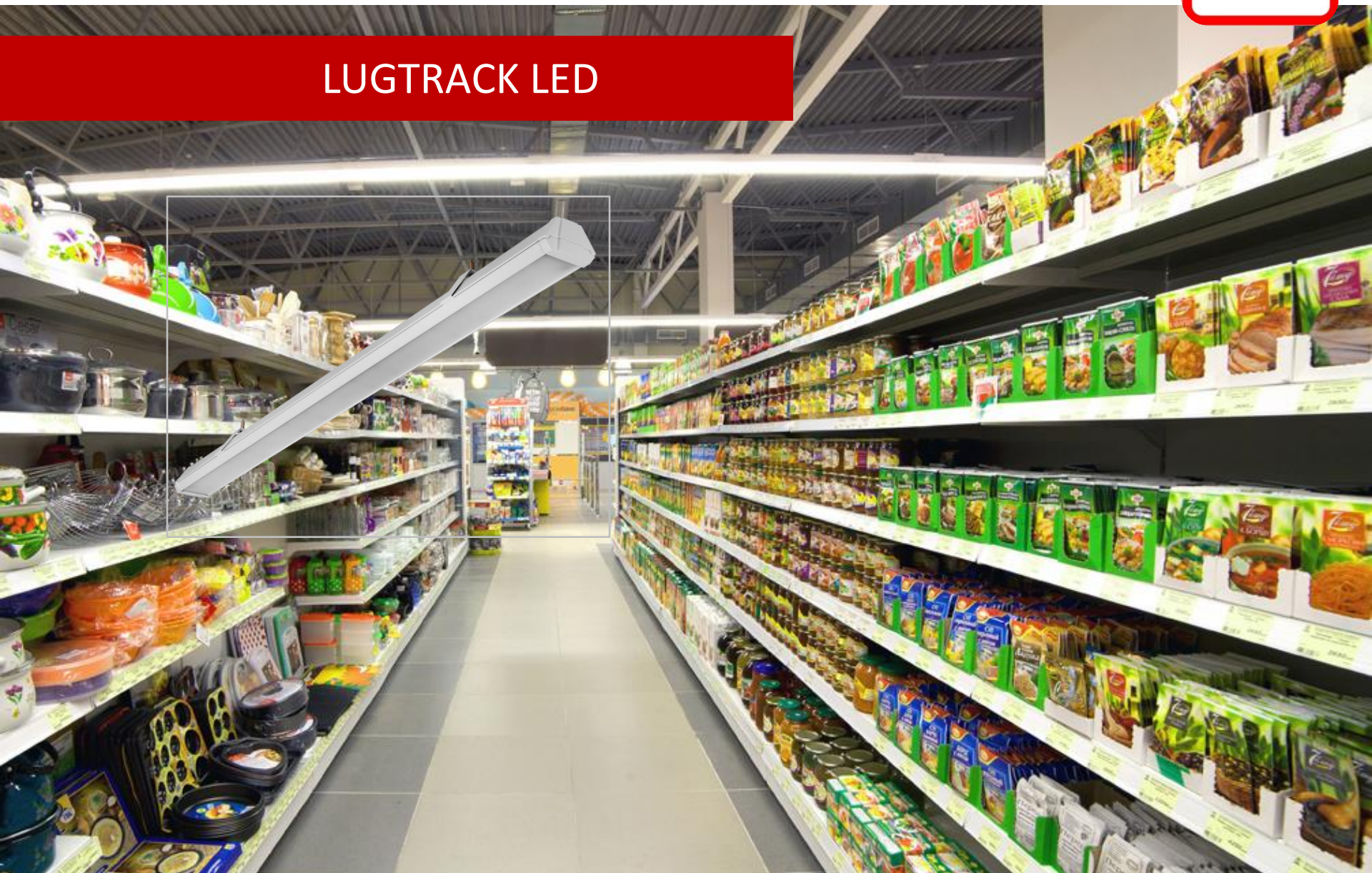
**LUGTRACK 5**







## LUGTRACK LED







**LUGTRACK LED** is a professional innovative quick assembly line for LED sources of light.



**100**  
lm/W

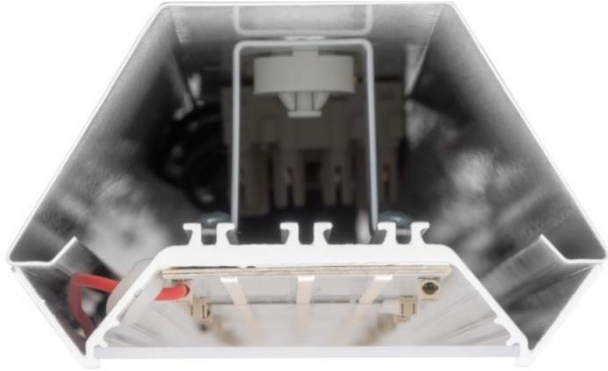
**3x**  
more  
efficient



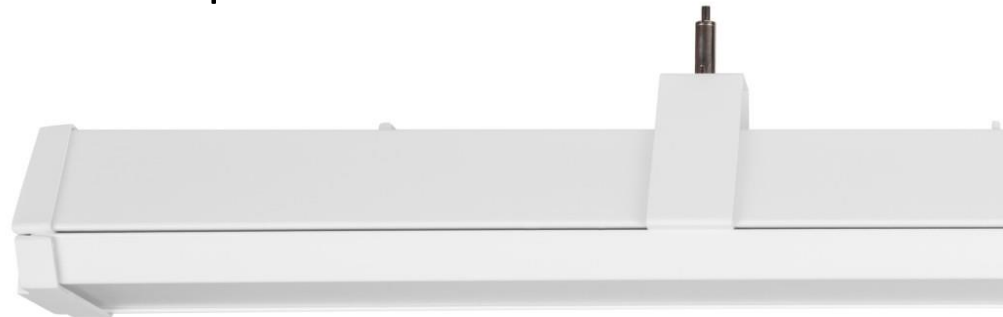
**2x**  
less  
energy



**50<sup>000</sup>h**  
**lifetime**



- efficacy up to 103 lm/W!
- efficiency > 90%
- 5 year warranty
- lifespan 50 000 h
- 3 types of diffuser available :
  - satin plexiglass,
  - half-mat
  - microprismatic

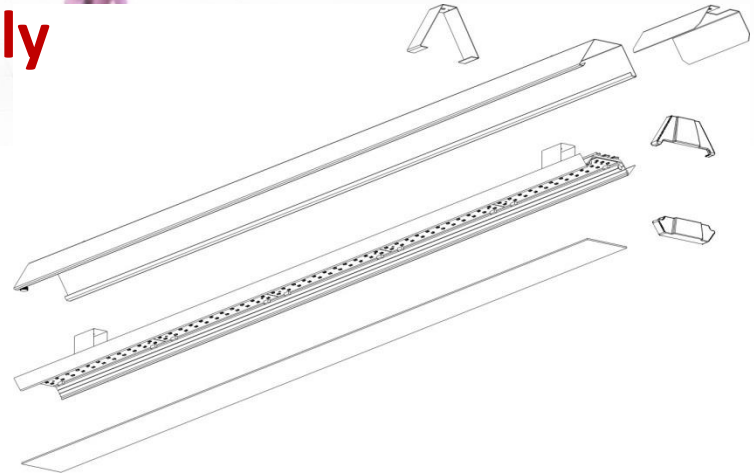


**5** year  
guarantee  
for **LED**





**Fast toolless instalation and assembly**





**BIG SHOP, Izrael**

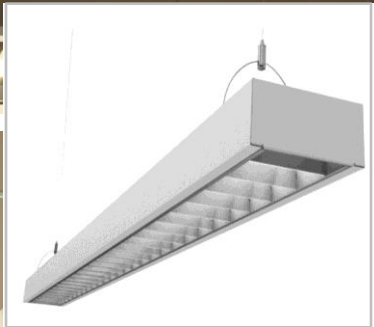






**BIG SHOP, Izrael**

**LUGTRACK 10 zw and g/k**



**ROBIN MH**





**BAUHAUS, Norwegia**

**LUGHALLE 1**







### INDUSTRIAL LIGHTING SOLUTION: ATLANTYK STRONG LED



111  
LUMENS WATT





## ATLANTYK STRONG LED



**System efficacy up to:  
111 lm/W**

- Industrial luminaire up to IP65
- Colour temperature: 3000K and 4000K
- Colour rendering index >80
- Efficiency > 90%
- Available flux up to 7100 lm

**111**  
LUMENS WATT





## ATLANTYK STRONG LED

- Opal diffuser
- High transparency > 90%
- LED modules produced by LUG Light Factory
- Diods: Osram Duris E5 / LED of medium power



**111**  
LUMENS/WATT

### Case Study No 3

### LED HERMETIC LUMINAIRE ADVANTAGES



Type of luminaire	Other leading European brand	ATLANTYK STRONG LED
System power	<b>68W</b>	<b>36 W</b>
Light source flux	6700lm	4400 lm
Luminaire efficiency	62%	<b>91%</b>
Luminaire flux	4020 lm	<b>4004 lm</b>
Efficacy	<b>59 lm/W</b>	<b>111 lm/W</b>
Energy cost per one luminaire* *3000h; 0,27 EUR = 1 kWh	<b>55 EUR</b>	<b>29 EUR</b>





**BENEFITS from ATLANTYK STRONG LED use:**  
**energy cost lower up to 49 Euro/year**  
**Payback period – less than 24 months**



**STREET LIGHTING SOLUTION:  
CITY LED**



Street lighting luminaire for LED light sources  
Aluminium body in a grey colour  
Luminaire application without opening the body  
– supply wire included





## Case Study No 4

### LED STREET LUMINAIRE ADVANTAGES

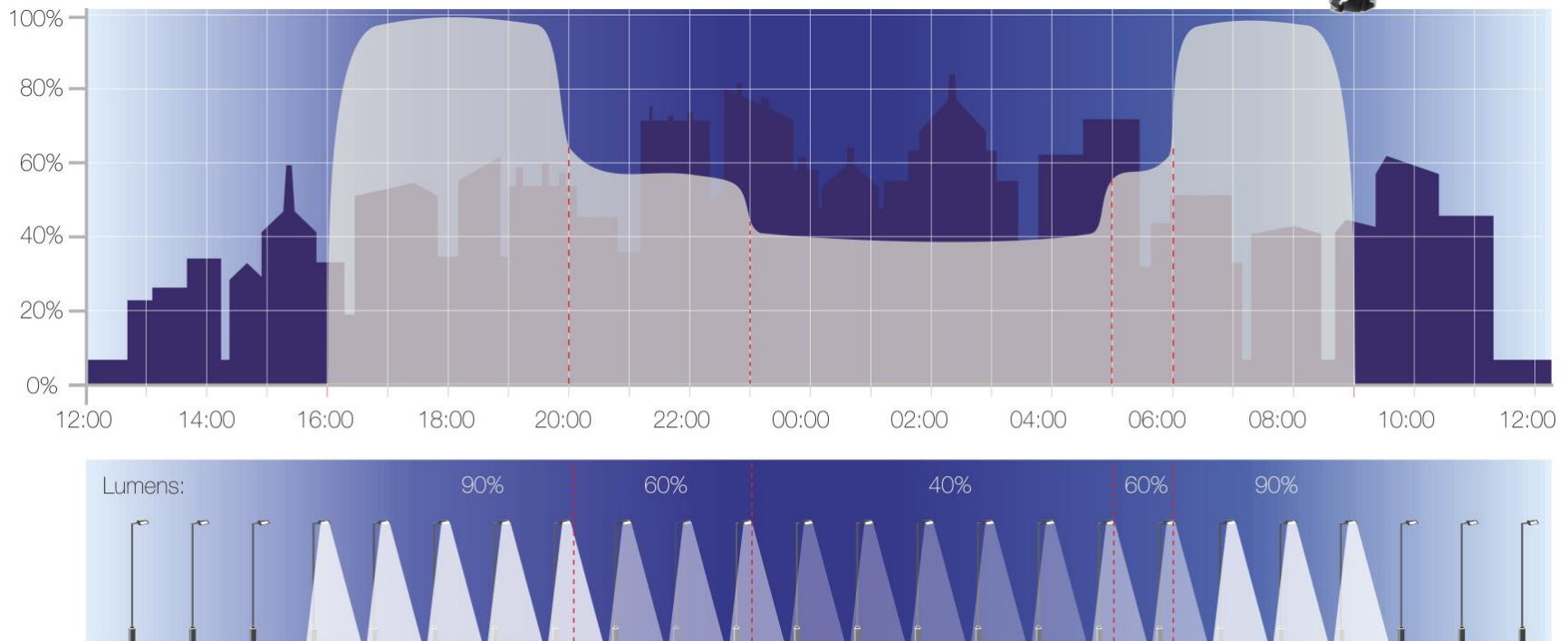


Type of luminaire	Other leading European brand 1 x 150 W	CITY LED
System power	<b>170W</b>	<b>90W</b>
Light source flux	14400lm	10800 lm
Luminaire efficiency	69%	<b>78%</b>
Luminaire flux	9750 lm	8424 lm
Light use ratio	<b>0,8 (7800 lm)</b>	<b>0,92 (7750 lm)</b>
Efficacy	<b>38 lm/W</b>	<b>99 lm/W</b>
Energy cost per one luminaire* *3500h; 0,27 EUR = 1 kWh	<b>160,65 EUR</b>	<b>85 EUR</b>



## LLOC- LUG Light Outdoor Control

Dynadimmer



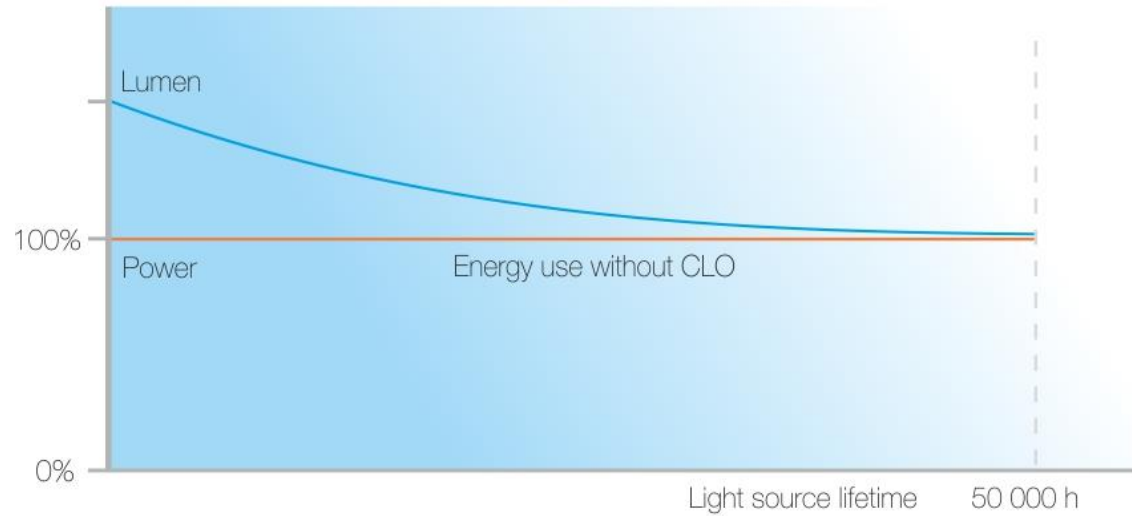
Switching on and of at set hours, flux dependent of the time and about of the cars on the road



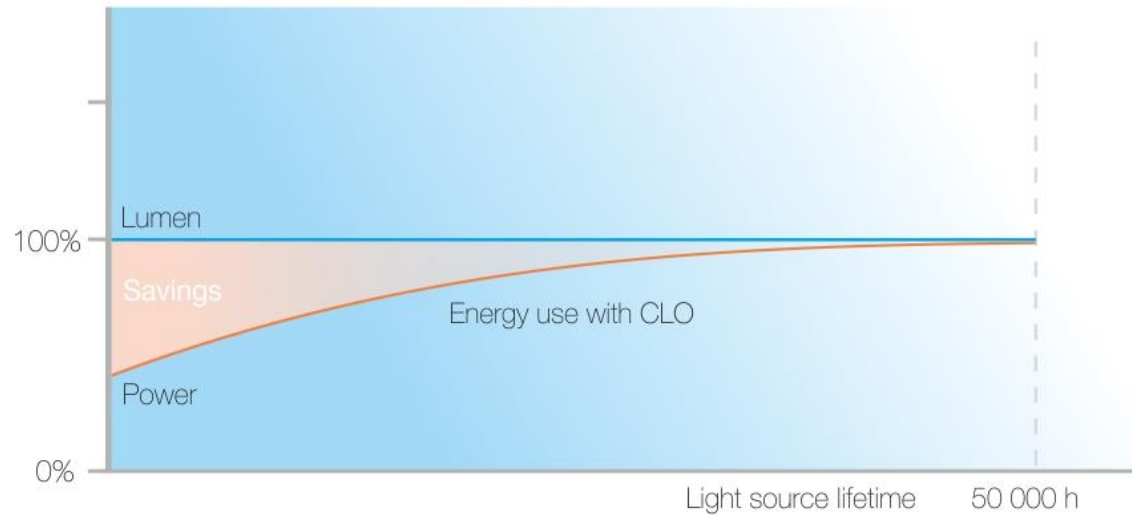


## LLOC- LUG Light Outdoor Control

Switching with different  
level of luminaire flux



### CLO – constant light output





## LLOC- LUG Light Outdoor Control



Possibility of particular luminaire control or control of the group of luminaires from central terminal



London, UK

Paris, France

Dubai, UAE

Sao Paulo, Brazil

Berlin, Germany

Zielona Gora, Poland

Kiev, Ukraine

**LUG Light Factory Ltd.**

ul. Gorzowska 11  
65-127 Zielona Góra, Poland  
tel. +48 68 45 33 200  
fax. +48 68 45 33 201  
e-mail: [export@lug.com.pl](mailto:export@lug.com.pl)  
web: [www.lug.com.pl](http://www.lug.com.pl)

**Thank you for  
your attention**