

Innovative lighting solutions

Company Presentation 2016 | Greenled Industry S.p.A.

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ABOUT US ...



Greenled Industry offers **high power and high efficiency LED lighting solution** for making environment safer, more comfortable , more productive and sustainable.

Greenled Ind. belong to TerniEnergia (TE) Industrial group , leader in renewable energies and waste management. The availability of TE expertise and know how allows us to differentiate our products on the market maintaining high performances and optimum cost/quality ratio.

TARGET MARKET



Industrial



Street & Outdoor



Commercial



GREENLED INDUSTRY: MANAGEMENT & ASSETS



Stefano Neri
(Chairman)



Giovanni Fabrizi
(CEO)

ASSETS



€ 1,1 MLN of share
capital



€ 0,43 MLN
Patent over a lamp
type



Owned Driver

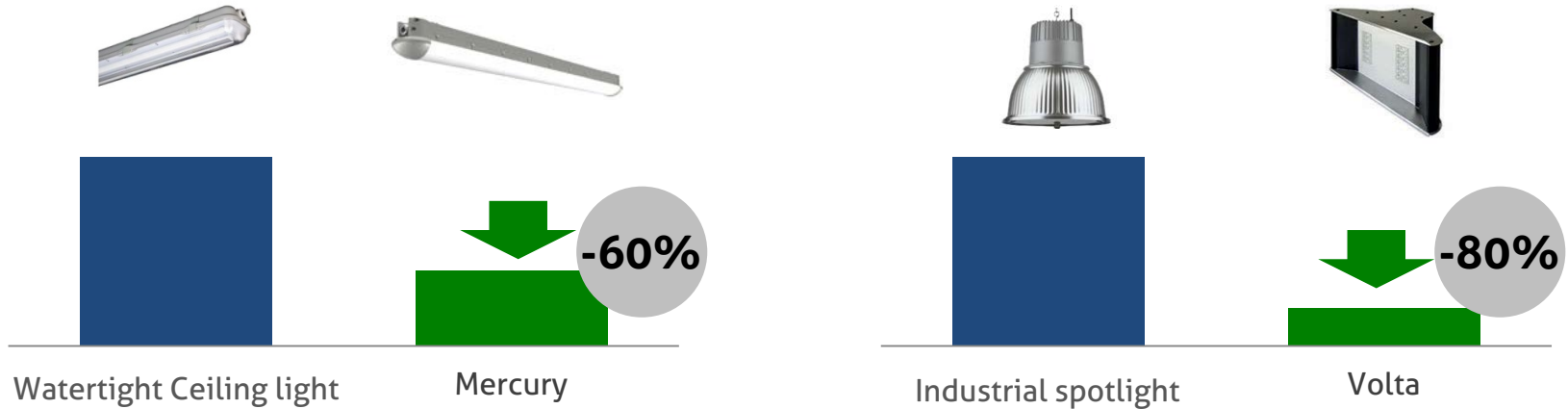


WE CONTINUOUSLY PERFORM R&D ACTIVITY IN ORDER TO OFFER ON THE MARKET ADVANCED LIGHTING SOLUTIONS ALWAYS MORE PERFORMING AND COMPETITIVE.

- **ITR Performance Driver** is a power supply module assuring high standards in efficiency and duration market leader, with more than 150.000 hours of working time in extreme environment with temperature spreading from -40°C up to $+75^{\circ}\text{C}$.
- **Ultra Strenght System** is the advanced frame used for engineering and assembling the lighting devices of the Industrial line based on high dissipation and glass free resin assuring high efficiency, duration and protection again external agents.

TECHNOLOGY COMPARISON

Operation on an obsolete plant: traditional Vs LED



CUSTOMER BENEFITS



SAVING

Strong cost reduction
for lighting purpose



QUALITY

Visual Comfort, Safety,
Accident and injury reduction



PRODUCTIVITY

Increase of productivity
and positive impact on
company result



SUBSTAINABLE

Environment impact
reduction



Industrial lighting

SOLUTIONS FOR INDUSTRY



Line VOLTA

Power: 55W, 76W, 101W, 118W
Efficacy Lm/W >113
Life time 150.000 hours
IP67
Environment Temp. -40°C +75°C;

Line MATTEUCCI

Power: 151W, 201W, 236W
Efficacy Lm/W >113
Life time 150.000 hours
IP67



Line BBLOCK

Power: 65W, 130W, 200W
Efficacy Lm/W 107
Life time >60.000 hours
IP20 (a richiesta IP65)
Environment Temp. -20°C +45°C;



High
efficiency



High level
of
protection



Life time 3
times
higher



Extended Range of
temperature

APPLICATION



ENVIRONMENT AND OPERATIONAL CONDITION

- High cost for power usage and maintenance
- Extreme environment condition:
 - High and low temperature (foundry, cooled storage room)
 - High concentration of dust and humidity (cement plant, paper factory)
- Placement at relevant height
- Working on more shifts
- Lighting required for 24/7

AREAS

**Iron and Steel
Chemical &
Pharmaceutical
Logistic Platform
Environment in extreme
condition**



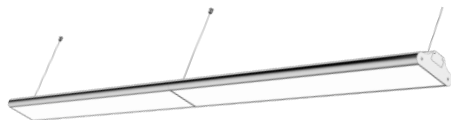
Commercial Lighting

SOLUTIONS FOR COMMERCIAL AREAS



Line MERCURY

Power: 40W ,50W, 65W
Efficacy Lm/W >100
Life time >60.000 hour



Line SATURN

Power: 40W , 50W
Efficacy Lm/W >90
Life time >60.000 hours



Line iPANEL

Power: 44W
Efficacy Lm/W >65
Life time >60.000 hours



Line GEMINI

Power: 20W, 25W,
36W , 42W
Efficacy Lm/W >85
Life time >60.000 hours



High
efficiency



High ratio for
quality-price



Robustness
& life time



High quality
of light

APPLICATION



ENVIRONMENT AND OPERATIONAL CONDITION

- High cost for power usage and maintenance
- Needs for a optimum and cost effective lighting system fully fitting the requirement
- High number of lighting on hours
- Needs for taking at minimum dazzling and flickering events
- Needs for safety and visual comfort

AREAS/SECTOR
Office
Parking
Commercial areas
Station & Airport
Large retailers
Industrial areas

Street lighting & outdoor

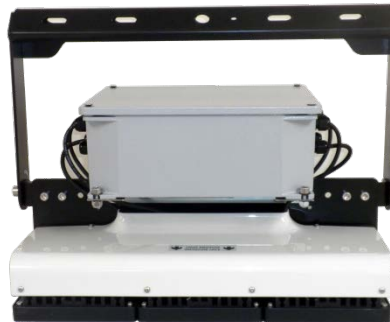


STREET AND WIDE AREA LIGHTING SOLUTION



Line LUMINO

Power: 35W, 65W, 100W,
135W, 165W, 200W
Efficacy Lm/W >104
Life time >60.000 hours



Line SPARTA

Power: 265W, 400W, 533W
Efficacy Lm/W >100
Life time >60.000 hour



Line DA VINCI

Power: 101W, 118W, 152W,
Efficacy Lm/W >102
Life time 150.000 hours



High
efficiency



High protection
level



Duration 3 times
higher



Extended
Temperature range

APPLICATIONS



ENVIRONMENT AND OPERATIONAL CONDITION

- High energy service and maintenance cost
- Needs for an optimal lighting sight, aligned to public regulation rules
- Relevant number of lighting on hours
- Needs for taking at minimum dazzling and flickering events
- Needs for safety and visual comfort

AREAS/SECTOR

City street
Country road
Large road links
Tower Light
Parking
Roundabout

OUR SERVICES

DESIGN & Engineering

Operational analysis
and Lighting Project

A well defined lighting project can greatly contribute to environment quality. Our Design Office, based on long experienced engineers having multi-disciplinary skills, is able to project and implement lighting system assuring high efficiency, right illuminance and safety for the environment. We guarantee a quick solution design and a final result maximizing quality.

FINANCING

Funding solution for making efficient the plant/system in a quick way

We make available to our customers turn key funding solution in order to have the possibility to receive very soon the benefit of a new efficient LED lighting system, starting in having saving benefit from beginning. We propose the "Energy Performance Contract" with guaranteed saving; saving allowing from one side to pay for capex funding and from other side to decrease immediately the customer expense for power consumption.

CUSTOMER SERVICE

Pre e post sell assistance

We offer a complete set of complete and high level assistance services, of technical and commercial consultant, able to support our Customer in each process procurement phase. We make available a dedicated team for finding together an optimal solution , for implementing and installing the designed solution and finally for maintaining the supplied lighting system.

OUR REFERENCES





FOR FURTHER INFORMATION

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