



MICROPLUS
GERMANY®

5 YEARS
WARRANTY
OPTIONAL UNTIL
10 YEARS - ASK ABOUT

**Manufacturing and design to
Energy Efficient**

**Energy savings from
75% up to 93%**

Pay
only the 25%
of your current lighting expenditures



REQUEST
OUR
PROFESSIONAL
CATALOGUE



www.microplusgermany.com



We are manufacturer:

The Microplus Germany Group is result of the several companies contribution with over 18-years' experience and innovation in the industry.

We integrated all phases of the manufacturing process in Zamora (Spain), Germany and Portugal, from engineering design, manufacturing, quality control and software development.

We have the highest certifications, such ISO IQNet certified by AENOR as well as the prestigious and demanding German and international certifications: TÜV, VDE, ENAC, AT4 Wireless, BUREAU VERITAS, EIC, IPAC.

We have a large and qualified technical team, which allows us to meet the most demanding needs of our clients

- Technical and financial feasibility studies
- Systems' adaptations to different security levels
- Integration with other control systems
- Our own R + D + i
- Quality Control Laboratory



Efficient lighting crown for Ports and Airports



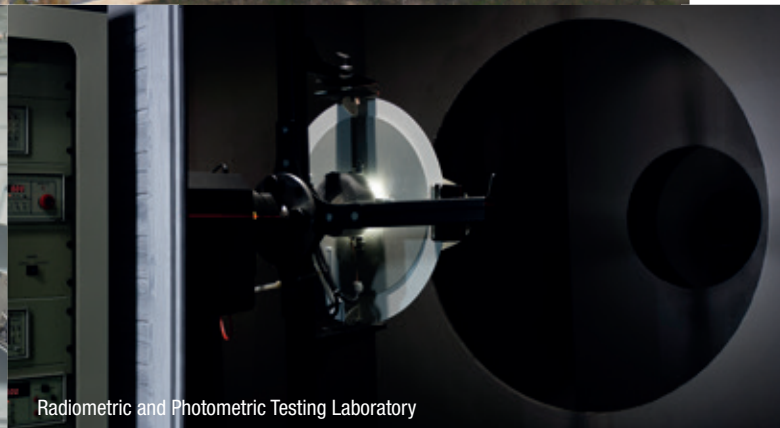
Manufacturing headquarter at Villalarbo, Zamora, SPAIN



Radiometric and Photometric Testing Laboratory



Production Line



Radiometric and Photometric Testing Laboratory



Presence in 57 countries

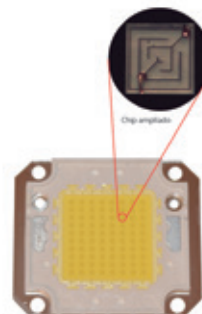
Utility Model - U201130993



Microplus + Lens (98% glass purity)



Own development with patent registers



Microled Technology



Quality Management System AENOR ISO Certificate

Efficient Technology

Minimal maintenance.

Robust construction



Rugged Construction, built in High Quality Aluminum with special chemical processing.

With 10-years Paint Warranty

Patent: U201130993



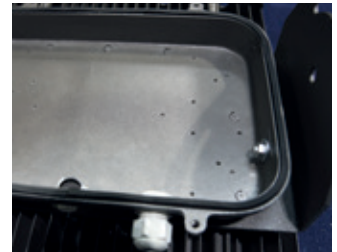
Solid State Lighting Technology, covered by high purity and resilience glass lens.

Allows virtually immune system to shocks and vibrations.

IK08 protection level



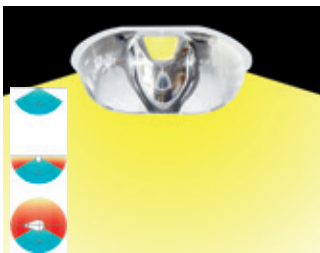
Heatsinks made of high-purity aluminum allowing a large heat dissipation. Temperatures from **-40° C to 55° C**.



It is sealed with dust-proof gaskets in order to obtain protection against dust or insects with **IP65 protection level** (Optional IP67).

5 YEARS WARRANTY
OPTIONAL UNTIL 10 YEARS - ASK ABOUT

Maximum efficiency



Optimization of the Light Beam:

The patented MicroLed Plus system and its optical crystal of high purity generate a 120 degree light beam without lighting losses.

With a **FHS rate <1%** (Flow to the Upper Hemisphere).



Great Energy Efficiency MicroPlus Germany Technology implies an advanced level in Energy Efficiency.

With 150 lm/W, one of the highest levels of energy usage to the current technological level.



Long Durability: Microplus Germany technology ensures **> 50,000 hours**.

Maintaining flow, only 6% of depreciation; **LM-80**

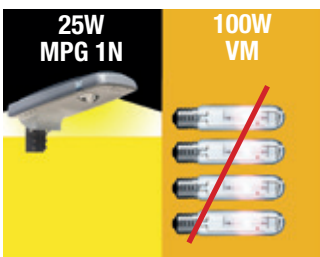


Optical adapted to each situation.

Each lens gets a light distribution adapted to every need.

Up to 9 available models.

More saving. Quick amortization and return on investment



25% expenditure over 100%.

Greater efficiency on light output, optimized design of the light beam, and its longer duration allows to obtain the same lighting with 25% or less consumption.



5 Managing Options

Standard, Timing, By presence, Photocell and Control remote management (smart devices). It can regulate on-off and dimming as is needed.

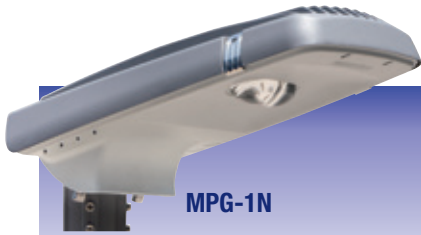


The relevant saving

allows generate a quick amortization According the cases, in just 8 months.

Street and urban lighting

MPG Series and Luminaires



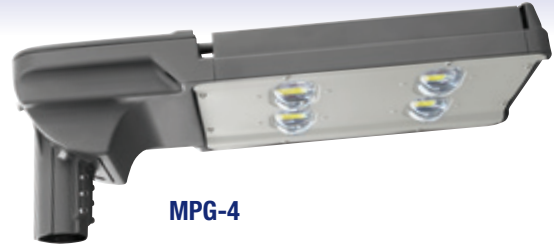
MPG-1N



MPG-2



MPG-1 E



MPG-4



MPG-6



BS-2

ADAPTIVE to DSML SYSTEMS, also
for LIGHTING types, such as "Villa" AND "PALACE"

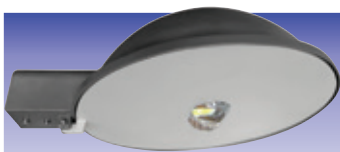


MPG-1N - 60W - Yeles (Toledo)



Astorga - MPG4 140W

Luminaires



PROTEA



VILLA



LANT 15



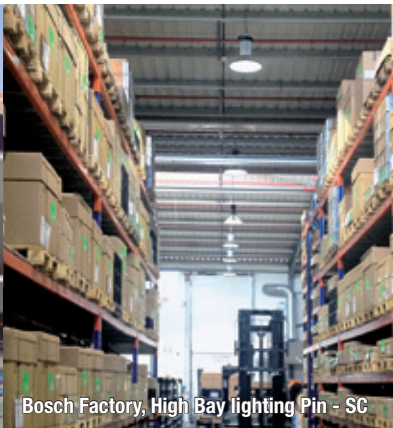
PALACIO

Industrial Lighting, Industrial facilities, Petrol Stations

KS Series, attachable and pendants, Industrial and flooding lighting



Petrol station Repsol KS-2P



Bosch Factory, High Bay lighting Pin - SC



Iluminación para plantas, enraizamiento de césped e invernaderos

CONTROL AND MANAGEMENT OPTIONS

- Standard
- Preset
- Remote Control Management
- Photocell
- Motion sensor

Descargue nuestro catálogo profesional para ver la gama completa de Productos y Especificaciones



Plants

Spectral lighting to the plant growth



KS-1 y series

Sport Facilities

Parking, large commercial areas, football stadiums, paddle courts, etc

Design lighting

Beaconing and signaling



Sistemas ATEX

for explosive atmospheres

Design, down lights and assembled to floor



Tertiary, residential and office

Panels, recessed and downlights



TRACK MOUNTED SPOT LIGHT

DLMP

DMLCR

FLAT LIGHTING SCREEN



FS-GP-MPG-2 FS-A-LANT15 FS-A-GONDOLA FSA-LISBOA

Solar lamps

Solar kits Solar Pumping

ISOLATED KITS
HYBRID SYSTEMS
SOLAR PUMPING
GEL BATTERY
SOLAR PANELS



Ceiling illumination - Primary school - Yeles (Toledo)

Bulbs y Tubular T8



E27 • MR16 • GU10 • PL

TUBULAR T8



Case Study: 3,500 inhabitants

With conventional old technologies

1,000 luminaries
Mercury Vapor 125 watts + Reactance
10 hours a day – 365 days
547,000 Kwh/ annual x 0.15 € Kw = 82,125 €

MICROPLUS TECHNOLOGY

1,000 luminaries
40 watts
10 hours a day – 365 days
146,000 Kwh/annual x 0.15 € Kw = 21,900 €

Annual Energy Saving 82,125 - 21,900 = 60,225 €

Replacement and maintenance

4 times (in 10 years)

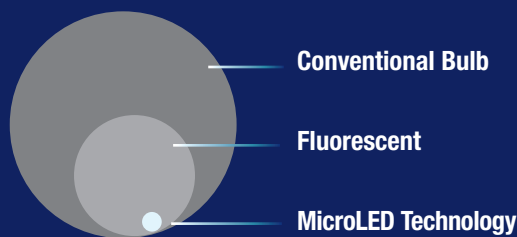
Lighting loss

> 40 % within 2 years

Lighting pollution FHS

> 60%

Higher carbon CO₂ footprint.



Replacement and maintenance

Without replacement (in 10 years)

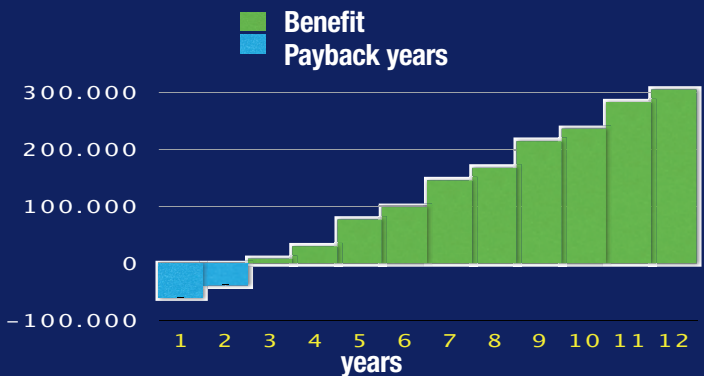
Lighting loss

<8% at the end of life span > 50,000 hs

Lighting pollution FHS

Null (<1%)

Return on investment **only 2.3 years**



Total Comparative

Besides

Environmental improvement

Better Visual ergonomics

More enjoyable environments

Energy Saving from +75% to 93%**

*Ask our technicians a detailed study tailored to your specific case - ** Energy saving obtained for indoor facilities, according with technologies