

VOLTA

THE UNIQUE LED LIGHTING SOLUTION
THAT COMBINES PERFORMANCE
AND INCREDIBLE RESISTANCE
FOR CHALLENGING ENVIRONMENTS



VOLTA

THE REVOLUTION OF INDUSTRIAL LIGHTING: THE MOST INNOVATIVE AND ENERGY-EFFICIENT LED LIGHTING SYSTEM



Greenled Industry is one of the Italian pioneers in developing and implementing next-generation LED lighting solutions for industrial applications, also in extreme environmental conditions: from freezer storage to high ambient temperature foundries and any energy-intensive industries. The new **VOLTA** series is the revolutionary LED lighting solution to illuminate industrial environments by ensuring superior performance, reliability and a industry-leading durability.

VOLTA has been designed with a proprietary power supply, developed to ensure excellent performance also in the most rugged industrial environments.

The innovative constructive characteristic is designed to specifically optimize thermal dissipation and to ensure the best lighting result guaranteed over time.

INNOVATIVE DESIGN FOR MAXIMUM EFFICIENCY AND DURABILITY

VOLTA is the LED lighting solution that offers unparalleled performance and long-lasting life time in the most rugged industrial applications. Its technical plus allows to optimize the lighting project in terms of cost savings, lighting results, durability and payback time. The design and the industry-leading performance make **VOLTA** a new benchmark in the industrial lighting.



Benefits

- **Highest quality and reliability**
made in Italy product, industry-leading performance and unprecedented durability.
- **Product warranty until 10 years**
- **Over 60% of energy savings**
compared to the traditional technologies. Fast payback time.
- **Superior lighting performance.**
Maximum luminous flux with minimum power consumption
- **Reduction of the maintenance costs**
thanks to the long-lasting lifetime and the innovative design
- **Excellent light quality and uniformity, high color rendering.**
No UV and IR. No glare or flicker. Instant-on with 100% of luminous flux. Proper lighting levels, complying with the standards, that ensure safety and well-being in the work environments.

Applications

- Industrial areas and manufacturing areas: production lines, work environments
- Warehouses and Cold storages
- Outdoor areas
- Extreme industrial environments: high ambient temperature (until +75°C), wet and dusty locations. Foundries, cement plants, glass works, paper plants.

VOLTA

Innovative driver ensures high efficiency and long lifetime

The power supply has been designed exclusively to supply high-power LEDs.

The use of electronic components that have a wide range of operating temperature and the peculiar circuit diagram that avoids using electrolytic capacitors, ensure reliability and durability with performance guaranteed until 10 years.

High-power LED

The luminaires are manufactured with the best LEDs available on the world market that ensure high efficiency and light quality. Thanks to the use of LEDs combined with the proprietary power supply, the thermal management is optimized and the performance guaranteed. VOLTA fixtures family is composed of 24 LEDs (power consumption until 118W) or 36 LEDs (power consumption until 178W)

High quality lenses

The lenses are UV light resistance and waterproof. High mechanical resistance, abrasion resistance, very good resistance to atmospheric agents these features ensure that the lenses are highly performing and long-lasting lifetime.

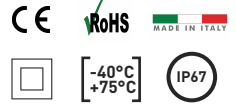
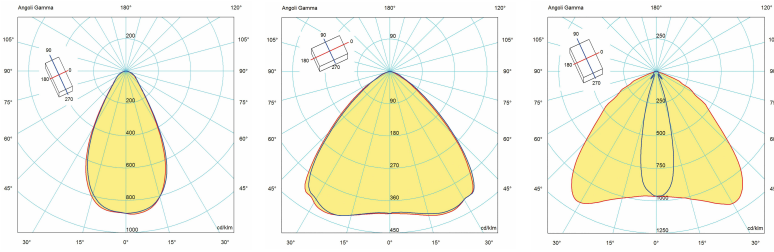


High heat dissipation resin and absence of glass

The innovative constructive characteristic has been designed to illuminate the most rugged industrial environments, such as foundries with high ambient temperature, wet locations, dusty areas.

Thanks to the use of high heat dissipation resin and the absence of glass, the ingress protection rate is very high and it makes the fixture highly resistance, by guaranteeing superior performance over time also in harsh environments.

Photometric data



Features

Installation	Indoor/Outdoor
Lumen package range (nominal LED flux)	From 9.500 lm to 25.465 lm
Power consumption	From 55W to 178W
Operating temperature range	-40°C + 75°C
Materials	Heatsink in anodized extruded aluminum Stainless steel PMMA lenses
Ingress protection	IP 67
Electrical safety class	II
Rated Voltage	100÷240 V ac, 50/60Hz
Driver	Proprietary Driver (integrated)
Color Temperature	Neutral white (4000K, 5000K), Cool white (5700K)
Color rendering index	CRI>70 (standard) CRI>80 (on request)
Photobiological safety	Exempt Group
Lumen maintenance L70	150.000 h
Certifications	CE
Warranty	Until 10 years

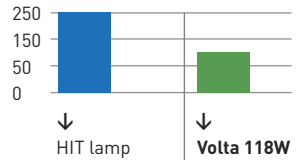
Dimensions | mm **Weight | kg**

200 x 487 x 205	7
325 x 487 x 205	11

TECHNOLOGIES COMPARISON

Traditional vs Volta

New lighting system



Reduction
of installed power

53%

Lighting control options

In the standard version, the luminaire is provided with a constant LEDs current. Analog dimming option (ex. 0-10V) is available upon request.

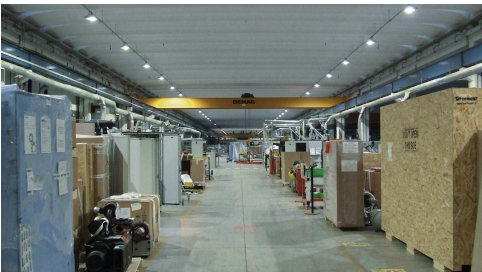
Intelligent lighting control system

(option upon request, subject to feasibility check) The lighting fixtures can be equipped and integrated with the remote control system that allows to manage and monitor the lighting system. The system also provides to enable value-added services and functions in order to create the SMART INDUSTRY.

For more information, please visit our website www.greenledindustry.com and download the brochure "Intelligent lighting control system".

Please visit www.greenledindustry.com for complete and updated data sheet

Case Study



Upgrading the lighting system to Greenled Industry's LED lighting solution.

Biesse SpA:

World leader in the production of machines and integrated system for processing wood, glass and stone

PRE intervention

Total installed power:	496kW
Annual energy consumption:	939.200 kWh

POST intervention

Total installed power:	90kW
Annual energy consumption:	170.600 kWh
Energy savings:	81%
Tons of CO2 saved to the Planet	391

Visual comfort and safety.

Lighting levels complying with the standards.

Greenled Industry is an Italian company specialized in LED lighting systems that are suitable for industrial environments, also in harsh environmental conditions, street and large areas lighting, commercial lighting.

The company offers made in Italy solutions that ensure high quality, superior performance and long life time, guaranteeing excellent lighting results.

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In order to guarantee a continuous updating of its products, Greenled Industry reserves itself the right to modify the contents without notice.



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