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# Sustainability

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The commitment of 3F Filippi  
for sustainability

**3F Filippi**

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# / 3F Filippi

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Since 1952 **3F Filippi** has been a reference in the field of design and production of efficient technical lighting fixtures.

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The products, designed and manufactured exclusively in the factories in Pian di Macina - Pianoro (Bologna), are expression of the company's ability to combine tradition and modernity, craftsmanship and technology, aesthetics and functionality, efficiency and sustainability.









## The company's **EXPERIENCE.**

With over 70 years of expertise in technical and architectural lighting, 3F Filippi offers a comprehensive product portfolio that proudly carries the Made in Italy label to over 50 countries worldwide.

The group's offer responds to and satisfies every type of need and design approach. Our interlocutor can count on a vast choice: from the products with high technical and functional content of the 3F Filippi catalogue, to the architectural lighting fixtures by Targetti, to the range of LED sources and fixtures proposed by the Duralamp brand.



**/ SAFETY**  
at the highest level

All 3F Filippi's products are tested in-house in special CTFs2-certified laboratories for the purpose of product certification at the development stage, offering direct benefits to the customer by guaranteeing the **safety, quality and long life** of the equipment.



**/ RELIABILITY**  
first of all

All devices are manufactured and tested in compliance with current national standards CEI 34-21, European EN 60598-1 and international IEC 60598-1. This makes them **extremely reliable both mechanically and electrically**.



**/ READINESS**  
for any emergency

We are one of the few in Europe **with the tools to certify our products** according to the recent UNI EN 13032 and IES LM-79 standards, which establish the requirements for **emergency lighting** with or without a replaceable light source.



## **WE ARE** Made In Italy.

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3F Filippi is a company that makes Made in Italy production its beating heart.

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Ours is a story that has led us to make a difference in the field of lighting thanks to people, ideas and technologies. The products that come out of our company have always been an authentic testimony of Made in Italy in every sense.







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Here you will find the wiring and automatic product assembly systems, the automated and manual painting systems, the sheet metal processing systems connected to each other with laser cutting, automatic panel bender and punching machine.

Four plastic molding plants, welding plants and two fully automated warehouses are added.

All this constitutes a mechanism capable of producing up to over 16 million components every year, which are produced in the 60 thousand square meters of the Pianoro factories, to then be distributed in over 50 countries around the world.







# / Our Company



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3F Filippi has always made environmental sustainability one of its fundamental pillars.

Since our foundation, we have embraced an ethical and responsible approach, committing ourselves to operating while respecting the environment, integrating sustainability principles into every aspect of the operations involving our production plants.

Since 2016, 3F Filippi has certified its Environmental Management System in compliance with the international standard UNI EN ISO 14001.

## **CERTIFIED** environmental system.

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3F Filippi has always been active in the prevention and mitigation of environmental impacts, in the belief of protecting the environment more and more year after year.

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3F Filippi has undertaken a process linked to environmental sustainability whose main objective is to issue the GHG report every year, quantifying the Carbon Footprint.





**Scope 1**

direct emissions of GHG from the installations present within the Savena and Garganelli sites.

**Scope 2**

indirect GHG emissions resulting from the import of electricity, heat, steam, compressed air and consumed within the organization.

As regards scope 2, in 2022 3F Filippi achieved the objective as all electricity is certified as coming from renewable sources with guarantee of origin certifications.



## **SOLAR** energy ...

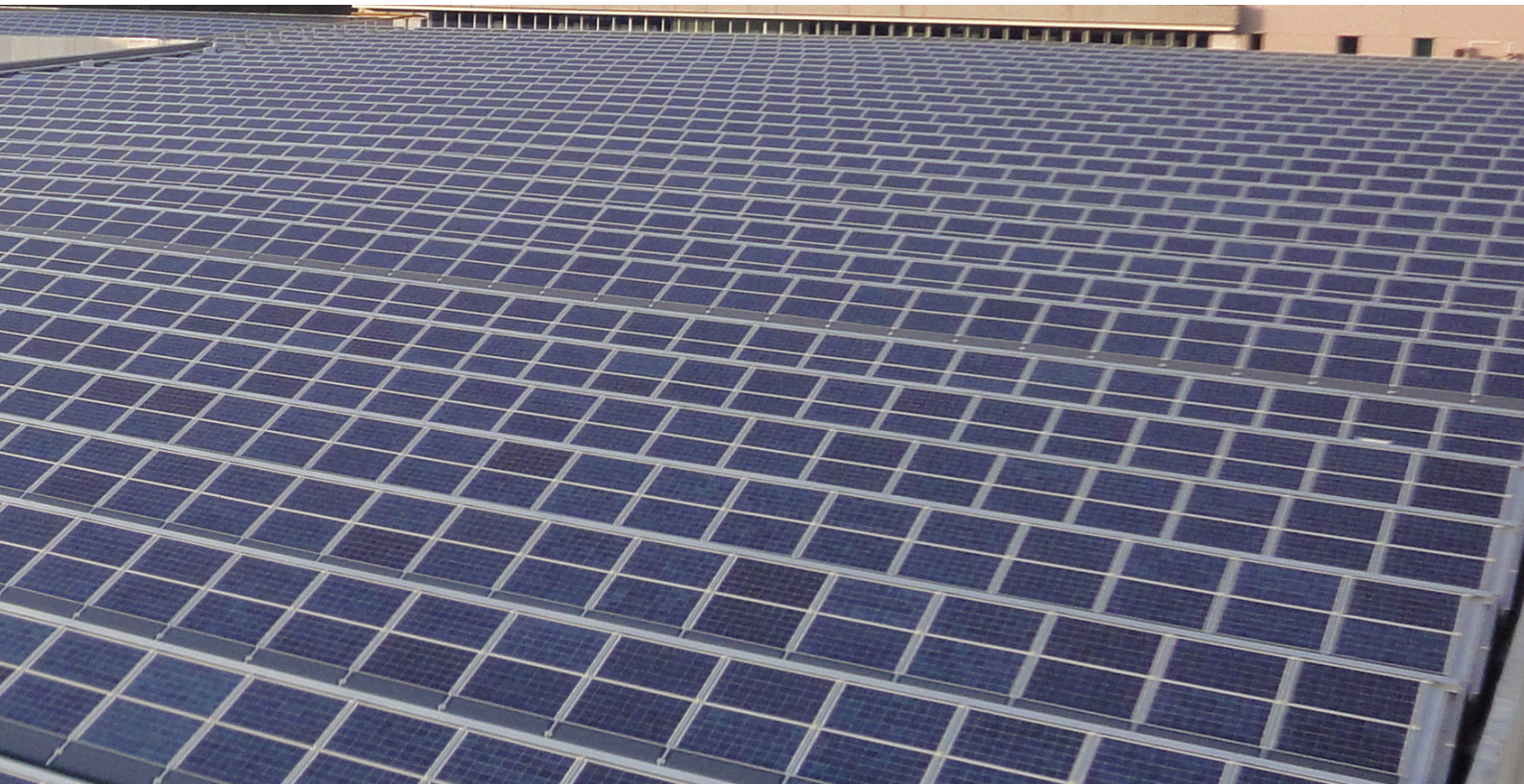
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In 2010, the photovoltaic system was inaugurated on the main factory in Via del Savena, capable of reducing a total of 10,000 tons of CO2 every year.

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The plant, built on the roof of the production plant, extends for approximately 17 thousand square metres, made up of 4,532 polycrystalline silicon modules.





## ... our engine.

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This huge plant generates a power of 947.10 kWp, thus producing approximately 1,200,000 kWh every year.

60% of these kilowatts are self-consumed, while the remaining 40% is fed into the national grid.

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The energy produced and self-consumed by the photovoltaic system covers approximately 1/3 of our energy needs (approximately 2,000,000 kWh per year).



## **WE TEST** all products.

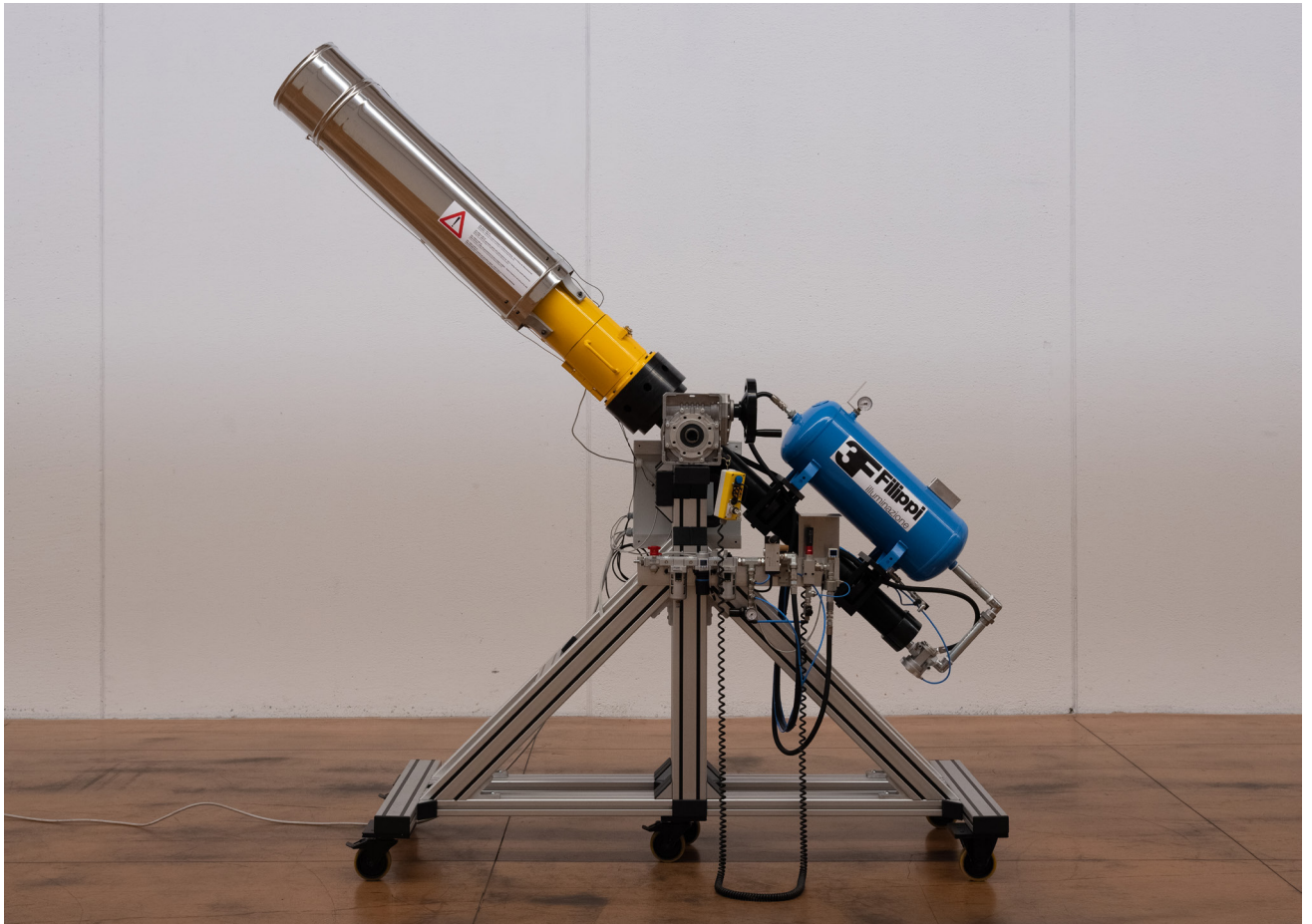
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We always test and certify our products to guarantee their quality and long life.

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3F Filippi is recognized by IMQ S.p.A., one of the major Italian certification bodies, as it is able to self-certify its products, always in compliance with current regulations.





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Thanks to the Testing and Collaudi laboratory recognized as Customer Testing Facilities CTF Stage2 by IMQ S.p.A., 3F Filippi is able to independently carry out the tests valid for product certification purposes.

In our laboratories, in order to test the durability of each product, the following tests are made:

1. Temperature
2. Electromagnetic compatibility
3. UL compliance: Rain Test and Sprinkler Test
4. EMC Compatibility: Burst and Surge
5. Liquid tightness

6. ball throwing resistance (DIN 18032-3)

7. Dustproof
8. Resistance to salt spray
9. Impact test

3F Filippi is one of the very few companies in Europe to own a rotating mirror Goniophotometer.

## **EFFICIENT** and **RELIABLE** products.

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To guarantee efficiency and lighting quality, 3F Filippi carries out continuous tests on its products, in order to ensure the best quality and performance possible.

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The 3F Filippi Photometric Laboratory is among the most advanced in all of Europe thanks to continuous investment in new technologies.

First of all there is the goniophotometer, which allows us to guarantee the quality, reliability and authenticity of the data reported through tests such as: Photometric measurements, colorimetric measurements and precise thermal measurements on the components of each device.







3F Linux

3F Filippi illuminazione

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# / Our Products



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For us at 3F Filippi the heart and soul of every step we take is represented by our products.

Ours is a constant commitment to reducing the environmental impact that is generated behind the production of each individual component and it is essential for us to design devices that are innovative and sustainable.

Every stage of our production process is designed with attention to the environment, so that each product reflects our values of sustainability and quality.

Lean Production as an added value in the research and development of new products, to reduce greenhouse gas emissions.

## **LONG LIVE** the light.

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3F Filippi has always aimed to create products with less and less impact on the environment and this is why it has the objective for 2030 to reduce greenhouse gas emissions.

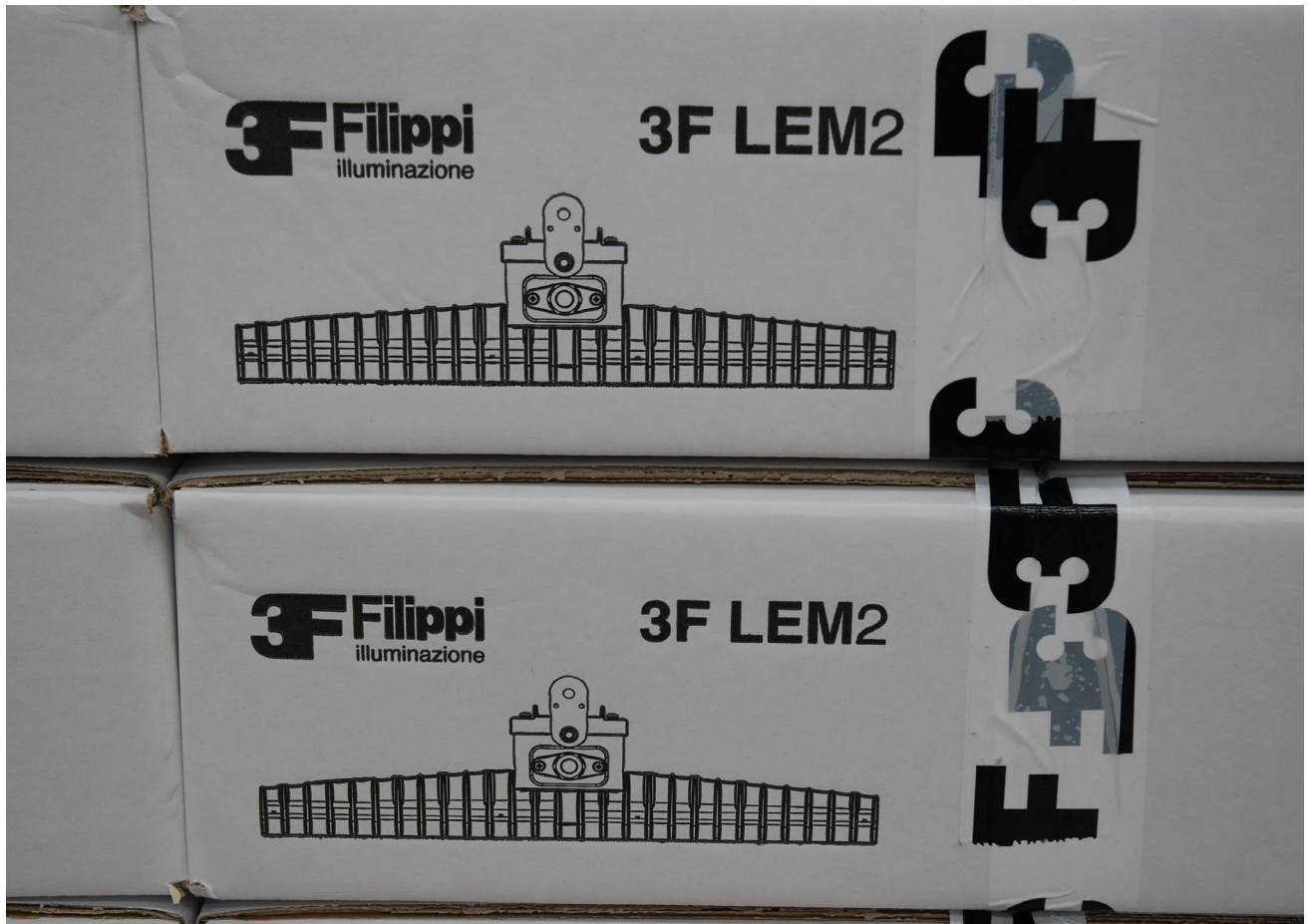
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Through a production activity that follows Lean Production which aims to minimize waste to the point of eliminating it, 3F Filippi guarantees the achievement of the best possible efficiency and the maximization of the life of each of its products, currently set at 100 thousand hours of operation.

All this thanks to technological solutions of the lighting fixtures specifically designed and adapted for the individual 3F Filippi products.



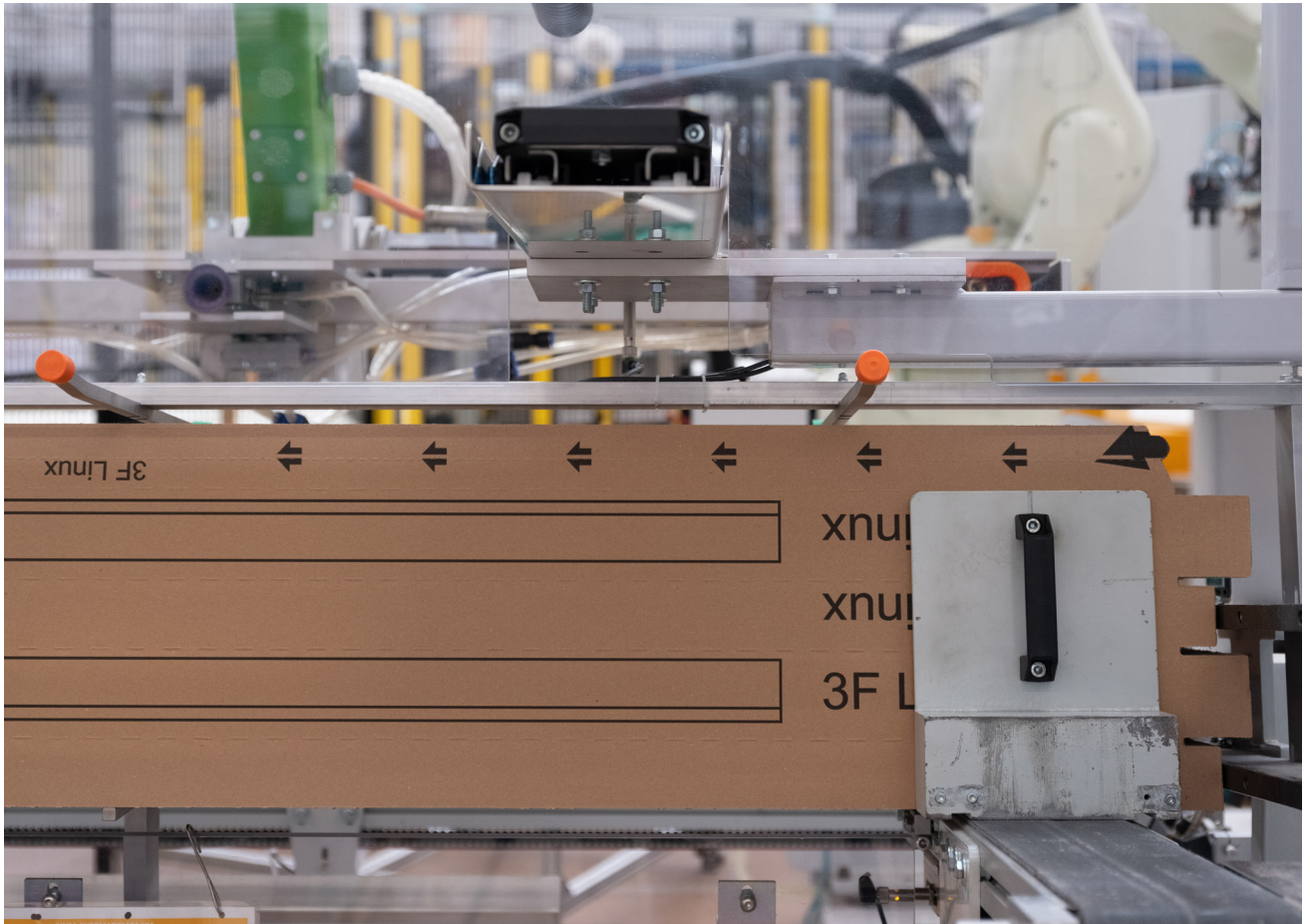




## PACKAGING is also important.

3F Filippi participated and won the CONAI EcoDesign tenders, establishing itself as the only company producing lighting products to obtain the award for packaging sustainability.

In 2018 with 3F Linux, in 2020 with 3F LEM and in 2021 with 3F Emilio and 3F Linda, 3F Filippi won the CONAI tenders for sustainability.



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These important milestones attest that 3F Filippi has redesigned the packaging of its best-selling products, thus reducing CO2 emissions, energy consumption and the use of H2O.

This intervention resulted in a reduction of approximately 49% in the raw material used, with a consequent 60% increase in the number of devices transported for the same volume occupied during the transport phase, thus optimizing the logistics phase.

Furthermore, this intervention favored the elimination of protective plastic components, making the packaging almost mono-material, therefore totally recyclable.

A beautiful result for 3F Filippi, but above all for the environment!

The components of 3F Filippi products are always designed to be recycled.

We always focus on **RECYCLABILITY**.

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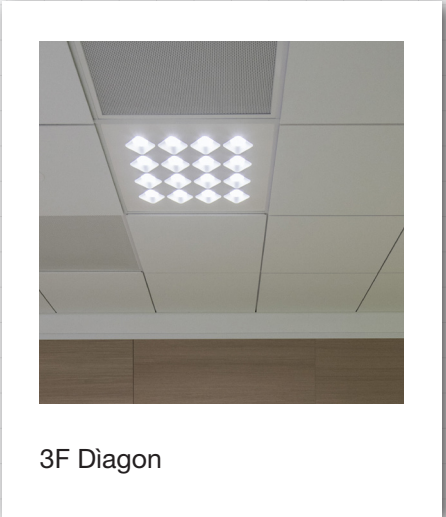
All the components of each 3F Filippi appliance are designed to be recycled at the end of the product's life, thus encouraging reuse.

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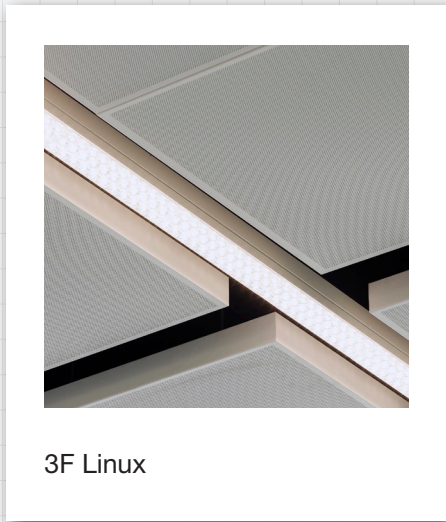
3F Filippi aims to carry out a report based on the calculation of the Recyclability Index of the appliances, defined on the basis of their components.

At present, the products 3F Diagon, 3F LEM, 3F Linux, 3F Linda and Beta 235 are being analyzed.





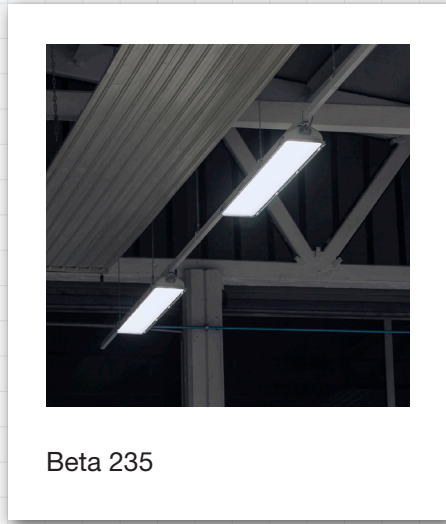
3F Diagon



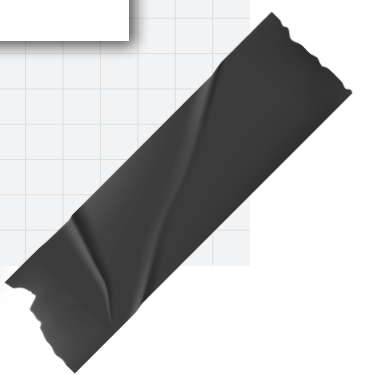
3F Linux



3F LEM



Beta 235



Collaboration as the winning key to innovate and improve our products every day.

## Winning **SYNERGIES.**

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The passion for mechanics is part of the culture of 3F Filippi, and it is precisely this passion that drives us to collaborate with Italian excellence.

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In 2015 the collaboration with the Alma Mater Studiorum - University of Bologna led to the creation of 3F LEM, which immediately became one of the company's top sellers and which remains to this day a reference product when it comes to performance, efficiency and versatility.









## Behind the **DIALOGUE** with the customer...

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Our expertise allows us to reach the most prestigious realities on the Italian and global scene, illuminating thanks to products made according to the needs of the end customer.

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In recent years 3F Filippi has also entered the architectural sector thanks to the collaboration with internationally renowned architects thanks to its ability to create products capable of satisfying any need.





## ... **INNOVATION** is born.

In over 70 years of history we have always stood out for our ability to study ad hoc solutions for the end customer, to the point of creating specific models based on the requests of our clients in the industrial, retail, office fields, etc. .

The development of architectural products, purely dedicated to the office world, in collaboration with prestigious architects, are the highest testimony to our expertise and our founding values, as well as to our reliability and transparency that we place behind every project and product that we characterizes it.



## **TECHNOLOGICAL** progress ...

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The technological solutions that concern the components of our products are always one step ahead.

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3F Filippi's technological research never stops. In our appliances we implement design solutions to increase comfort for the user and to reduce energy consumption linked to our products.





## ... which **REDUCES** consumption.

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3F Filippi uses specific components on its products for each application context:

DALI driver to regulate the intensity of the luminous flux, reducing unnecessary energy consumption during the various phases of the day (systems with up to 64 power supplies).

Presence and brightness sensors, including Bluetooth, to save money and manage lighting systems in an easy, economical and customizable way (for savings of up to 80%).

HCL luminaires according to the EN 12464-1 standard, which explores the importance of concepts related to lighting systems that follow people's circadian rhythms, improving their well-being and mood.

Power supplies for the automated management of buildings, according to the KNX world standard, which improves comfort and safety and contributes to energy savings (up to 50% for lighting and heating control) and to limiting the impact on the environment.



API  
EN 388:2016  
CE  
2122X  
MERF 30710  
CODE



# / Our Commitment



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At 3F Filippi we consider sustainability as a shared value that is part of every member of our team.

We are proud to represent a shared vision for a greener future and we work every day to make it a reality. We are constantly protagonists of initiatives aimed at respecting the environment and participate in projects and actions that promote sustainable practices within and outside our company.



## **BEE** the Change.

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In 2023, with the BeeTheChange project, developed in collaboration with Apicoltura Urbana, 3F Filippi installed 6 hives in its factories.

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Thanks to this collaboration with the first reality dedicated to the world of beekeeping in urban contexts, the honey loft project was born to support biodiversity and testify to a culture of respect for the environment.

Also in this case 3F Filippi contributes to making a difference by encouraging and promoting the protection of biodiversity.







## From every **SMALL GESTURE...**

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3F Filippi promotes sustainable values for all its employees, because it is through every single gesture that we contribute to making the working environment better.

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Environmental awareness initiatives promoted by and for all 3F Filippi employees have recently been implemented.

Every day, everyone strives to reduce their environmental impact even through small gestures and habits.





## ... **RESPECT** for the environment is born.

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Among the latest initiatives in this field are worthy of note:

The company's acquisition of an electric car and installation of the relevant charging station in addition to the company car fleet, in order to reduce greenhouse gas emissions produced by the cars that are used daily.

The supply of stainless steel water bottles to all employees with the consequent elimination of disposable plastic bottles and glasses, with the consequent installation of new drinking water dispensers within the factories, offices and canteens, in order to reduce the environmental impact due to plastic.

A company bike fleet available to employees for traveling within the 3F Filippi factories in total safety.



## The relationship with **PEOPLE...**

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We cultivate relationships with our customers and partners every day, because we believe in the philosophy that places people at the center of any project.

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3F Filippi believes in the relationship and dialogue between various people, be they customers, designers, collaborators, etc. Since we are an Italian company that focuses on the quality of its products, we are keen to convey the competence and passion that we put into our projects every day.





... generates **QUALITY.**

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Among our activities there are also training meetings, during which our staff conducts a guided tour of our production plants and carries out technical training and refresher courses.

We are always available to transmit our knowledge and the love with which every day we design tailor-made solutions for any reality, because to improve we believe that the relationship between people is essential.





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