



ecolamp

Consorzio per il Recupero
e lo Smaltimento
di Apparecchiature
di Illuminazione

WE COLLECT

VALUE



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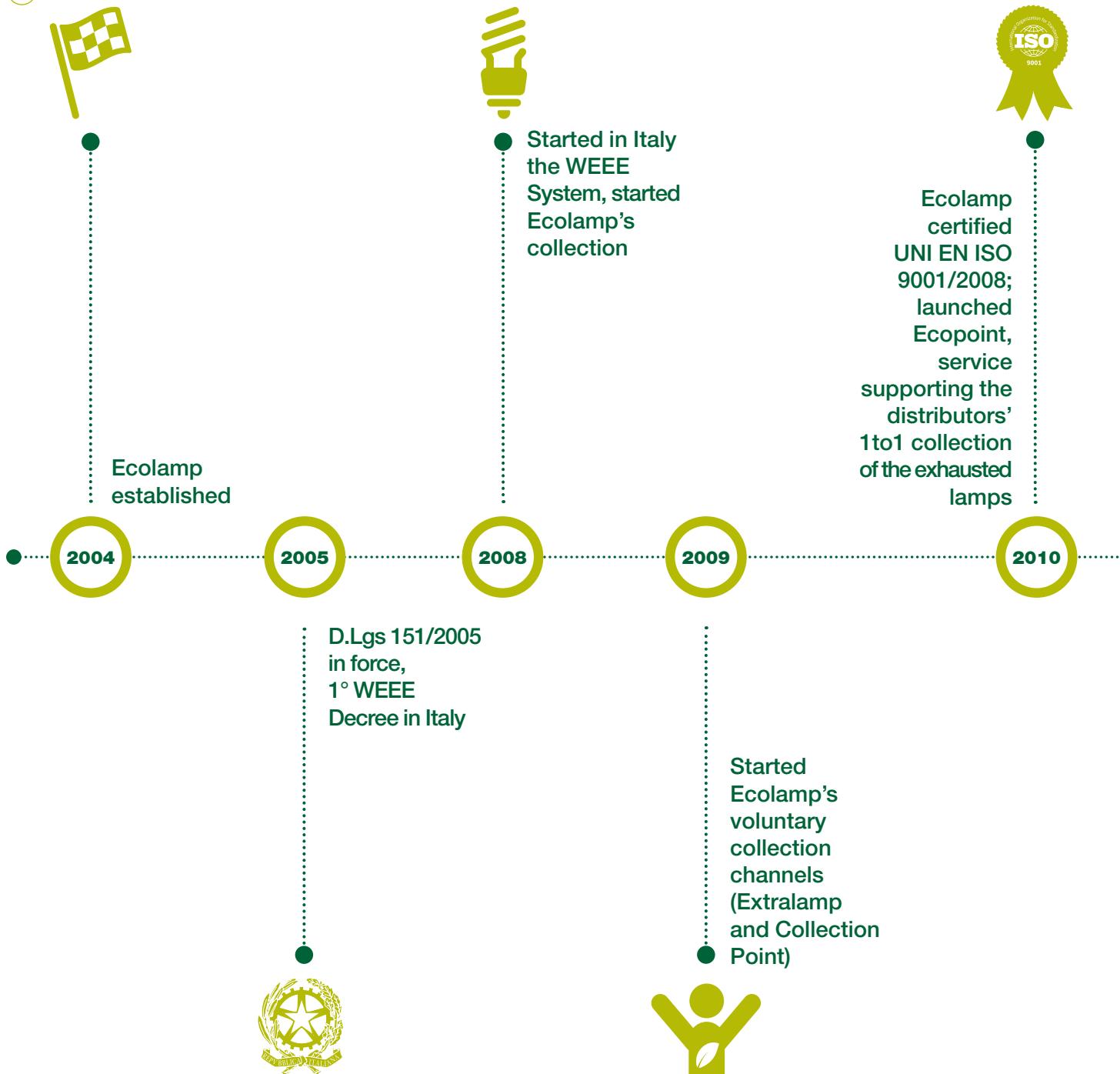
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Ecolamp certified
UNI EN ISO
14001:2004

2011



C(R)SO
Managers
Conference
of lighting
WEEE hosted
in Rome by
Ecolamp

2013



10,000ton of
exhausted
lamps
collected by
Ecolamp;
Ecolamp
founding
member of
Eucolight

2015

WEEE
Directive
Recast
(2012/19/EU)
in force

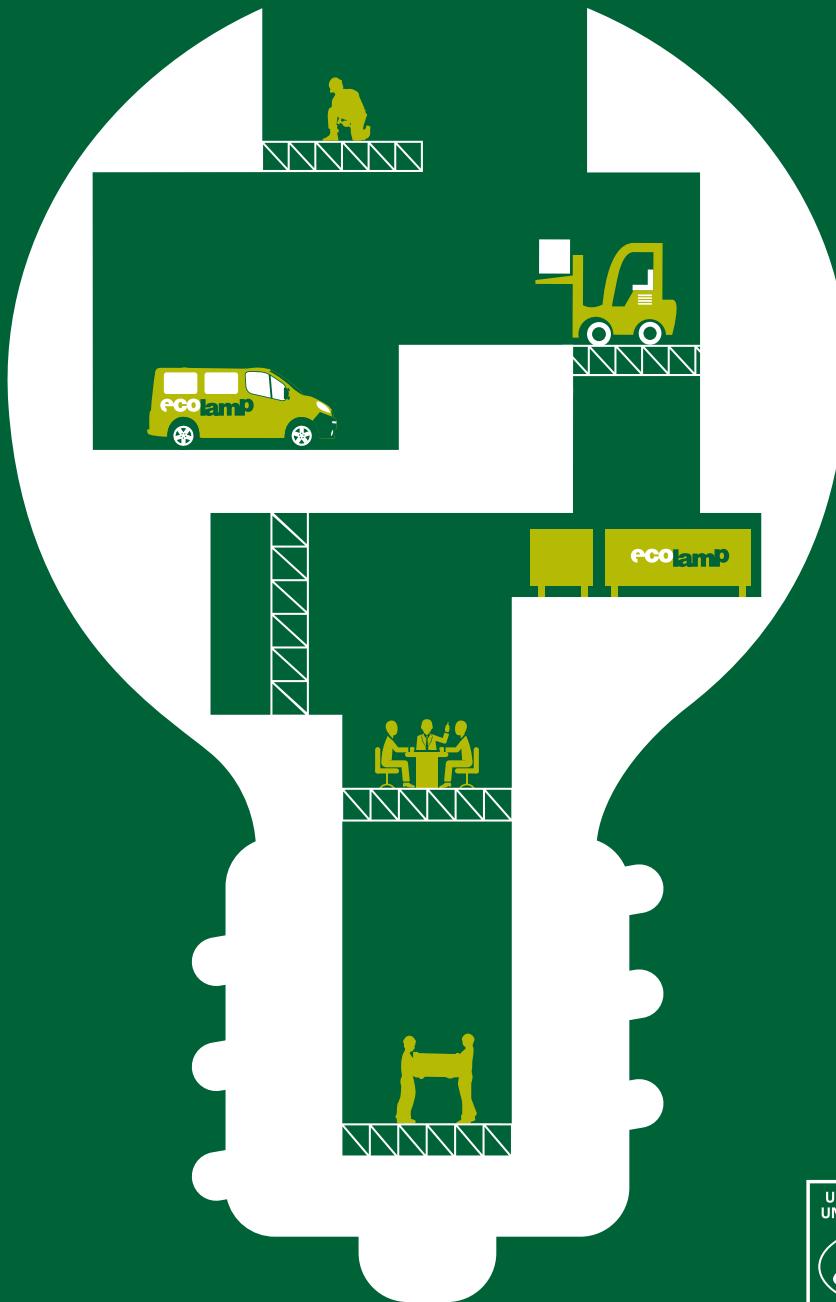


Legislative
Decree
49/2014 in
force,
transposition
of the WEEE
Directive
Recast;
Ecolamp is ten

10
YEARS

ANNIVERSARY





UNI EN ISO 9001:2008
UNI EN ISO 14001:2004



CERTIQUALITY
È MEMBRO DELLA
FEDERAZIONE CISO



WHO?

THE LEADING WEEE COMPLIANCE SCHEME IN ITALY FOR THE LIGHTING INDUSTRY

The **Ecolamp Consortium**, for the **recovery and disposal of waste from lighting equipment**, was set up on **19 October 2004** on the initiative of the main national and international producers operating in Italy in the lighting sector. Ecolamp's members and founders include **General Electric, Filometallica, Ledvance, Philips and Feilo Sylvania**.

Currently about **150 lighting producers** have decided to entrust Ecolamp with ensuring that they **comply with the WEEE*** legislation. This amounts to a total market

share of the lamp sector of around 50%.

All businesses which are members of the Ecolamp Consortium – in compliance with Legislative Decree 49/2014* - share a strong desire to protect the environment, looking for solutions **which are technologically innovative, economically sustainable and operationally effective**, leading to the setting up and management of a proper system of collection and treatment of waste from lighting equipment.

How to join Ecolamp at www.ecolamp.it/en/

*Legislative Decree 49/2014, enacted on 14 March 2014, implements the European Union Directive 2012/19, (the so-called WEEE Recast) in Italy. The Decree imposes on the Producers the responsibility of organising and managing the collection, treatment, recovery and disposal of their WEEE (Waste Electrical and Electronic Equipment). They can comply with these obligations by recourse to either individual or collective schemes.

WHO?

THE PRODUCER MEMBERS: A CHALLENGE THAT WE CAN MEET TOGETHER

Ecolamp manages full compliance with the WEEE legislation for its members, taking on their collection and recycling responsibilities imposed by the WEEE Directive and the complex of legislation connected with it. The Consortium makes compliance with the law as simple and efficient as possible.

Ecolamp operates as a non-profit compliance system. It also campaigns to increase different user categories' awareness and knowledge of the importance of differentiated waste collection and recycling.

The Ecolamp Consortium has always been committed to service quality and full respect for the environment.

Its Integrated Quality and Environment Management system has been set up and maintained in full compliance with the UNI EN ISO 9001:2008 and the UNI EN ISO 14001:2004 regulations.

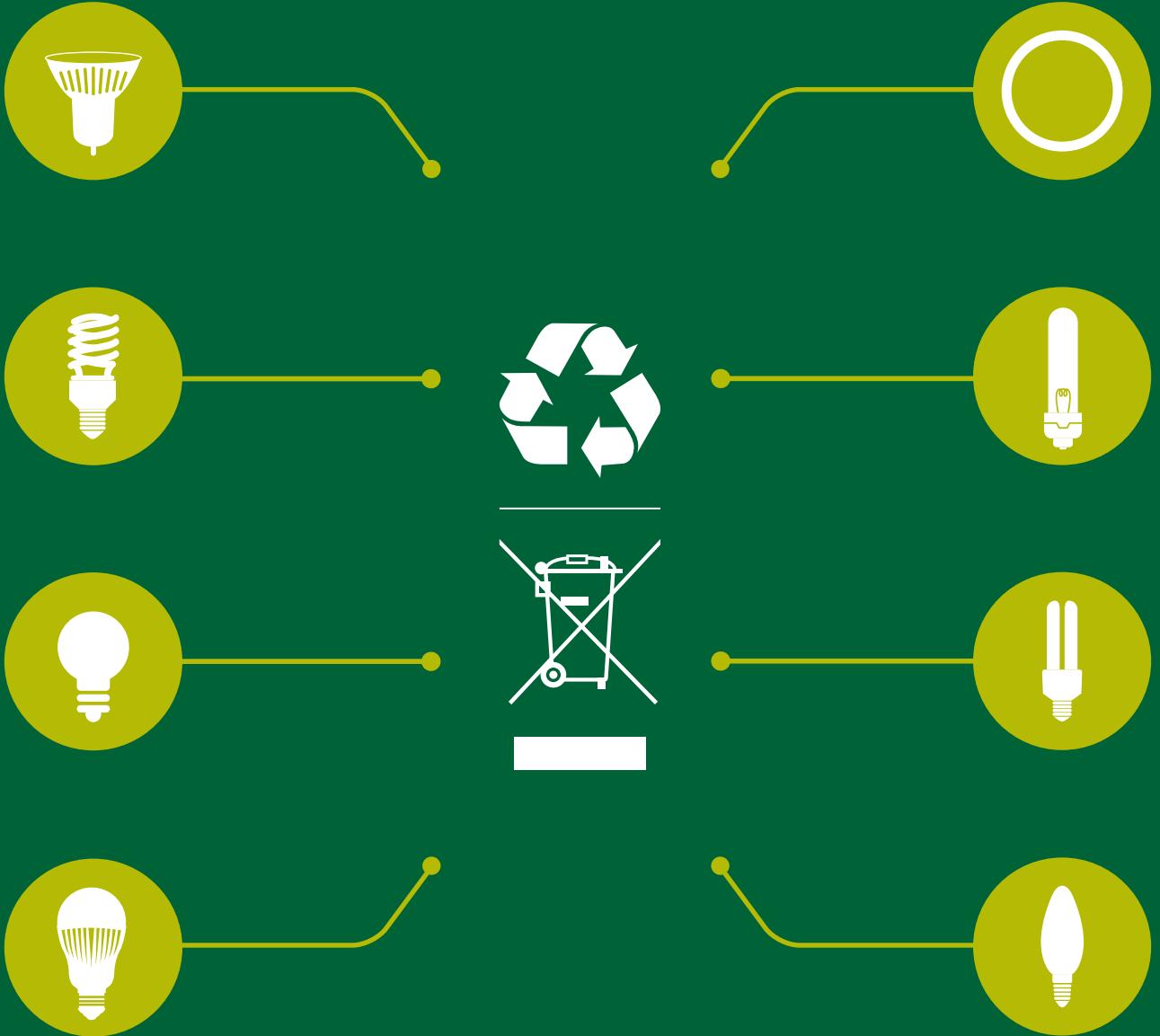
Membership of Ecolamp is more than simple compliance with the law - it is proof of a business's sense of social responsibility.



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PRODUCER MEMBERS





Lamps: straight fluorescent lamps, compact fluorescent lamps, high intensity discharge lamps, pressure sodium lamps and metal halide lamps,

low pressure sodium lamps, LED lamps (excluding filament bulbs and halogen lamps).

WHAT?

LAMPS AND LUMINAIRES: TRULY “SPECIAL” WASTE

Lamps represent a market of about **100 million pieces sold every year** and the waste generated is unusual in a number of ways when compared with other WEEE, making it truly “special”:

- It is made up mostly of glass and so is extremely **FRAGILE**;
- in some cases the waste includes mercury, a substance which is **HAZARDOUS** for human health and the environment;
- It is **LIGHT**, so, in spite of a trend of continuing growth in collection, total weight is less than 1 percent of total WEEE collected.

The Ecolamp model has been designed to take due account of all these special characteristics, developing over the years to match technological changes in lighting products and the waste deriving from them.

The types of product coming within the Consortium’s remit are the following:

- **Lamps**
- **Luminaires**

More about the types of products managed by the Consortium at

www.ecolamp.it/il-riciclo/prodotti-interessati/

HOW?

THE COLLECTION SYSTEM: EFFICIENT LOGISTICS WITH THE RIGHT RESOURCES

In compliance with Legislative Decree no. 49 of 14 March 2014, the Consortium, a non-profit-making body, offers the following:

- The **free loan** of its own **containers** (specially designed for the collection and transport of lamps under **conditions of maximum safety**) to assigned WEEE collection points;
- The **transport** of the lighting equipment collected to selected intermediate storage centres with the subsequent carriage on to treatment plants;
- The **recycling and treatment** of lighting

equipment at specially **selected plants**.

WEEE collection is made possible thanks to a logistics network that has been specially set up by **expert waste operators**.

Municipal collection centres, where consumers can bring their used lamps, include special containers designed by Ecolamp in order to ensure **maximum traceability** and **complete safety**.

Transport vehicles, authorised and specially equipped to carry out this operation, take up the WEEE and transport it to storage and consolidation centres. Once the optimum



load has been accumulated, other large capacity vehicles transfer the WEEE to treatment centres.

Ecolamp has been able to use its experience in WEEE management to set up channels for collection and treatment targeted at professionals working in the technical lighting sector. These include:

- **Extralamp**, a free service collecting directly from the warehouses of installers with at least 150 kg of used lamps.
- **Collection Point**, a network of collection centres agreed with the Consortium and

reserved for all professionals wishing to deposit their end-of-life lamps directly and free-of-charge to such centres.

More information on services for professionals at www.ecolamp.it/professionista/



**MORE
THAN 10,000 PICK UP
EVERY YEAR**



**MORE THAN
4,500 INSTALLERS REGISTERED
TO ECOLAMP'S SERVICES**



**AROUND
100 WAREHOUSE
AGREED WITH THE CONSORTIUM**



**98.8% SERVICE
RATE
(PUNCTUALITY OF THE PICK-UP SERVICE)**



**10 TREATMENT
PLANTS**



**34 COLLECTION
POINTS**



**1,850 COLLECTION POINTS
ALL OVER ITALY, ASSIGNED TO ECOLAMP
BY THE WEEE COORDINATING CENTRE**



HOW?

TREATMENT: MORE THAN 96% OF MATERIALS RECOVERED

WEEE treatment guarantees environmental, economic and health benefits. It involves the separation, and the making safe, of hazardous substances and the recovery of materials for use in new applications - the **practical implementation** of the concept of the **Circular Economy**.

Ecolamp has implemented a process capable of recovering all mercury used in lamps without risk and ensuring almost total recycling of glass components.

The treatment technology used for straight fluorescent lamps and differently-shaped lamps is that of **Crush and Sieve**. Lamps are crushed and their individual components are then separated (**glass, metals and plastic**) together with the capture of the mercury and **fluorescent powders**

through sucking and filtering processes.

Once the glass has been crushed and washed, it can be used in new applications in building products (such as glass wool and insulation) or in the vitrifying of tile surfaces.

Ecolamp is able to send more than 96% of materials coming from the treatment of lamps for recovery.

The Consortium applies rigorous and transparent selection methods in the organisation of its services, guaranteeing compliance with health and safety requirements, the use of the **best available technologies** and **high service levels**.

More about treatment and recycling at

www.ecolamp.it/il-riciclo/



>96%

RECOVERY RATE



**FLUORESCENT
POWDER**

GLASS

COMPONENTS' SEPARATION / CRUSH AND SIEVE

MERCURY

PLASTIC

**FERROUS AND
NON FERROUS
METAL**



MORE THAN
2,000 TONS
OF LAMPS SEPARATELY COLLECTED EVERY YEAR



WHERE?

AN ITALIAN ORGANISATION WITHIN A EUROPEAN NETWORK

Many years of experience in the field of lighting waste allow Ecolamp to guarantee the availability of professionals specialising in the **monitoring and analysis of the reference legislative and regulatory framework**, in order to facilitate the proper consideration of the characteristics specific to the **lighting sector**.

In this regard Ecolamp is involved in the following in particular:

- It has regular contact with Category associations, national and European regulatory bodies and **players active in the WEEE recycling chain**;
- It maintains relations and communications with national and local **institutions**

together with the reference agencies responsible for WEEE legislation compliance;

- It is recognised as an authoritative voice in relation to legislation concerned with WEEE and lighting WEEE in particular.

Ecolamp is also one of the **founding members of EucoLight**, set up in 2015 as a new **European association to give voice to WEEE collective systems specialising** in managing the collection and recycling of **lamps and lighting equipment** and committed to making the circular economy a reality for products in this sector.

More about EucoLight at:

www.eucolight.org







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