



FACCO
POULTRY EQUIPMENT

OFFICINE FACCO & C. S.p.A.
Via Venezia, 30, 35010
Campo San Martino (PD) Italy
Tel. +39 049 9698111
Fax +39 049 9630605
facco@facco.net
www.facco.net



LIBERA
EVO L



FACCO
POULTRY EQUIPMENT

The LIBERA EVO L system is a technical solution inspired by constant in-house and out-sourced research into the development of alternative breeding systems. By cooperating with one of Italy's most important **universities**, monitoring and managing a permanent test site run locally by a dedicated team constantly linked to smart farming remote control systems, Facco unceasingly researches pioneering methods able to enhance the welfare of the birds while facilitating the operators' management tasks. LIBERA EVO L is the new system that achieves a perfect **balance among animal well-being, accessibility of the system and housing density**.



The system is arranged on **two or three levels** in a structure where generously sized horizontal spaces increase the **housing area** and provide the hens **with more freedom of movement** without obstructing **accessibility**, which is excellent from the aisle side. The eggs produced by Facco alternative breeding systems comply with the consumers' growing awareness and attitudes towards hens reared in cage free systems, in accordance with the regulations in force.

Key features of **Libera EVO L**:

- nests installed laterally for **optimum accessibility to both the nests themselves and to the egg collection belt**
- a perfectly balanced **density/animal well-being ratio**
- **ease of cleaning and maintenance**

DESIGN & STRUCTURE

Libera EVO L has been designed with the **nests in a lateral position**. The rear door on the aisle side provides **unparalleled ease of access inside the system**. The operator has no difficulty in inspecting the egg collection belt, the nest and inside the system right through to the drinking line in front of the nest, without encountering any obstruction.

The system has an **extremely sturdy structure** built with accurately selected construction materials and finishes while the key features of the design, developed by the R&D department, include special attention to the well-being of the hens and all the management and maintenance tasks required. **The sloping mesh** walkway provides an extremely sturdy, highly comfortable and durable treading surface.



The **support legs, with four-fold profile**, are open on the outside, thereby guaranteeing maximum bearing capacity thanks to their extra-thick structure and stiffening folds, while being very easy to clean.

To manage the system in the best way during the initial breeding stages, the level under the battery of the EVO L system can be closed by a **centralized door** to optimize the work processes and times.

PERCHES

Perches provide the layers with a safe grip and facilitate their movements within the system, allowing them to easily reach every tier. The special 45° slant helps the birds to **move from one tier to the next** in the various zones of the system. This develops the laying hens' mobility and guarantees their productivity. A solid, stable structure with a smooth surface devoid of roughness, which can be **cleaned in an optimum way**.



NESTS AND EGG COLLECTION

The nests of the Libera EVO L system **are positioned at all levels** (with the exception of the third level in the 3-tier version) and provide a peaceful place for the hens, separate from the adjacent zones where they lay their eggs.

Nest characteristics:

- **positioned laterally**, towards the aisle
- **expulsion system** in netting specially designed to **turn towards the outside of the nest**
- **slightly sloping base** with a **soft mat made of Astroturf**
- **front curtains** designed for easy access by the operator for inspection and maintenance

All these features enable the operator to easily access the system for inspections **and/or maintenance work** since the internal parts can be reached in a very simple and effective way. The shape of the nests and the expulsion system have been designed to optimize animal well-being, productivity and ease of management.



The slightly **sloping base** of the nest and treading surface allows the eggs to gently slide towards the egg collection belt, which is made of perforated polypropylene, a material that is very easy to clean.

When it comes to **egg collection**, the lateral position of the nest, towards the aisle, facilitates:

- the **inspections performed by the operator** (with clean eggs, thanks to the coverings)
- **washing and cleaning** during the maintenance and end of cycle stages

3-tier systems are equipped with an additional automated egg collection belt.



FEEDING AND DRINKING

The **flat chain** feeding system enables the chains to be managed separately and in an automated way, thereby achieving:

1. optimum **feed distribution**
2. **layers evenly distributed** throughout the system
3. **reduced energy consumption**

Hoppers with different capacities can be installed to supply several circuits at the same time.

The **feed trough features a special design** with a purpose-made profile that reduces feed wastage. A technical solution for which Facco stands out on the market.



FACCO drop-type nipple drinkers are effective and precise. They ensure that an adequate and waste-free supply of water is dispensed with optimum performance for all the birds.

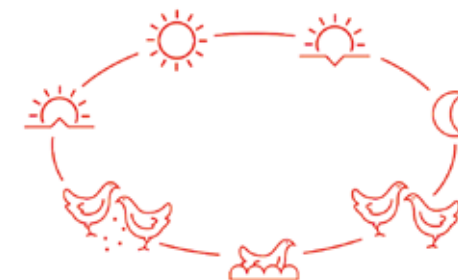
The Facco nipple drinkers are positioned **exclusively at nest level**, at the front and respectful of animal welfare throughout the daily life and egg-laying cycle of the birds.

The drinking lines are complete with: pressure regulators, discharge units with integrated cleaning system, filters, medication dosing systems and liter-counters.

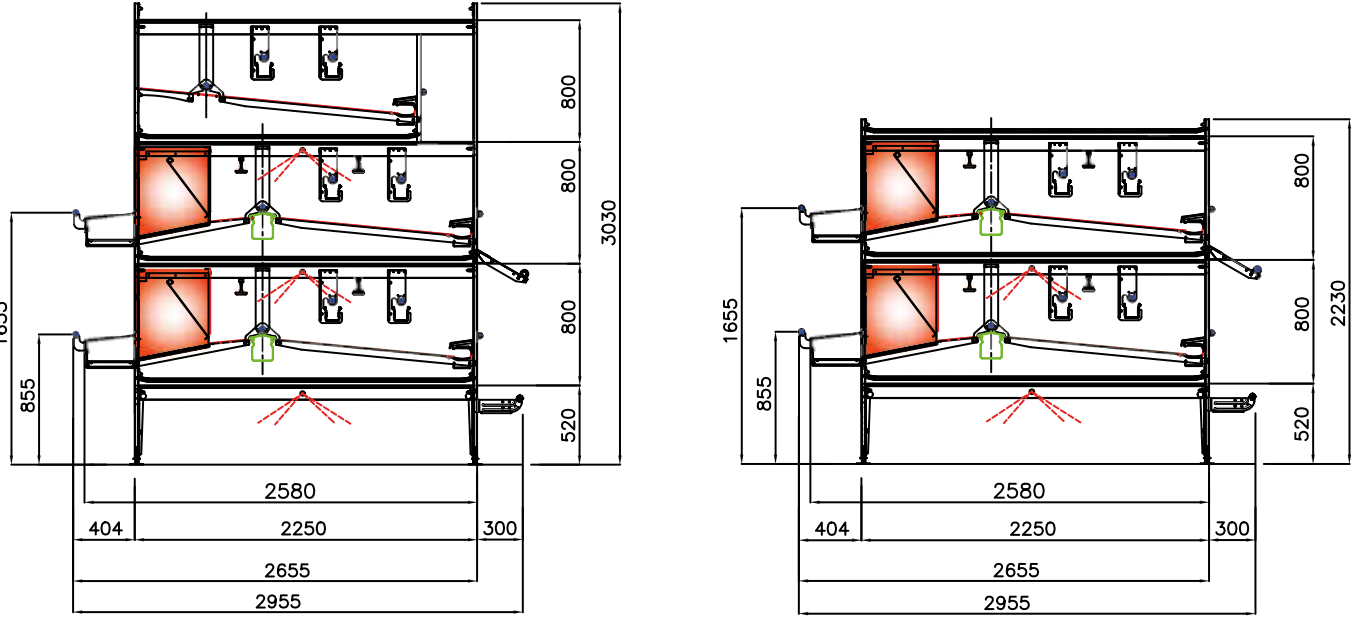
LIGHTING

Lighting is a key element in poultry farms since it ensures a **correct physiological balance** besides regulating bird movement within the structure. Besides energy savings, use of **led lights** allows for optimal adjustment of light intensity.

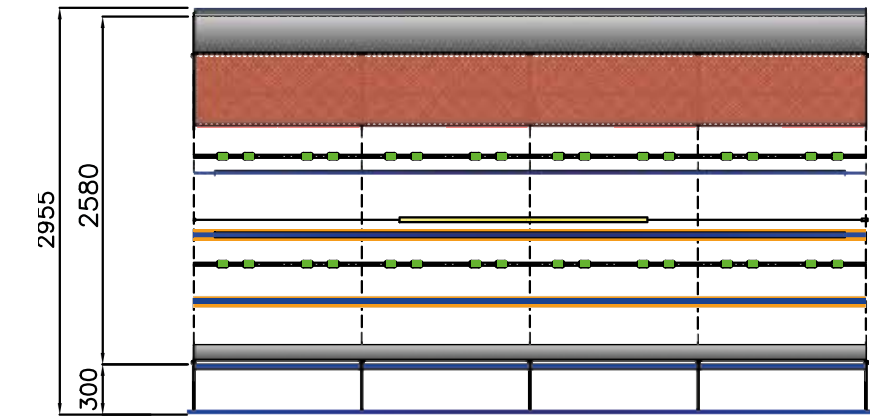
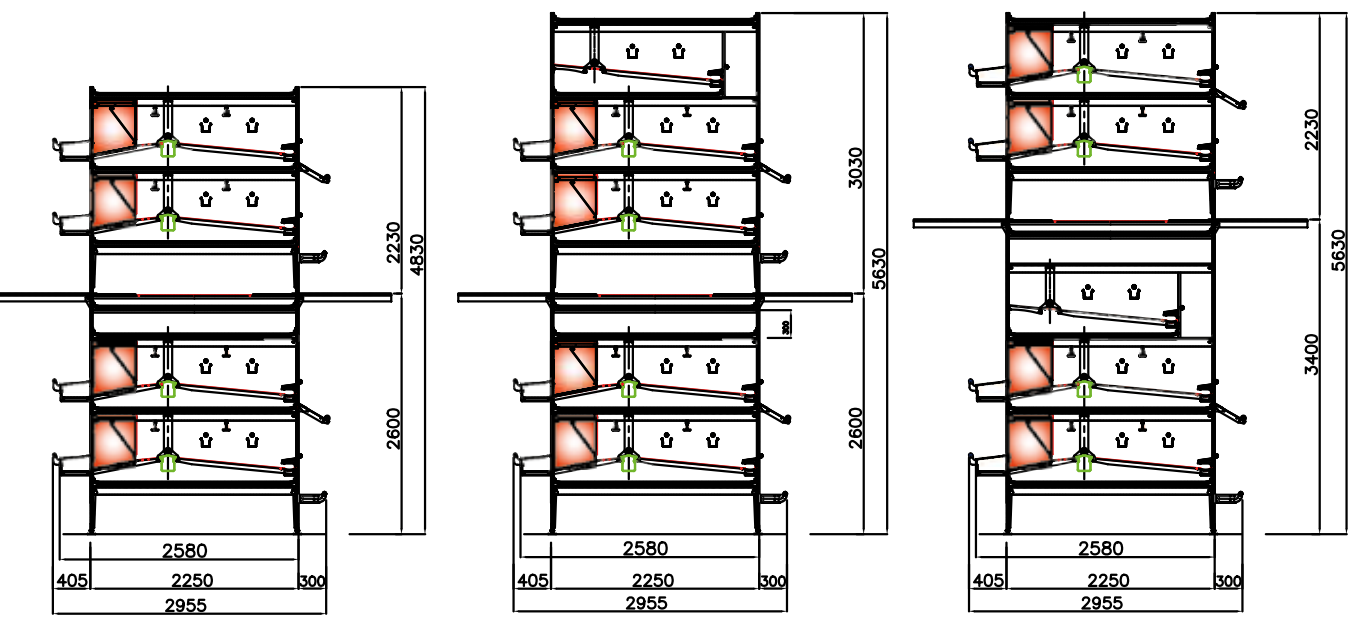
Automatically programmable, this system reproduces the typical day of the hens by setting a correct routine in their life cycle.



INDIVIDUAL MODULE SECTION



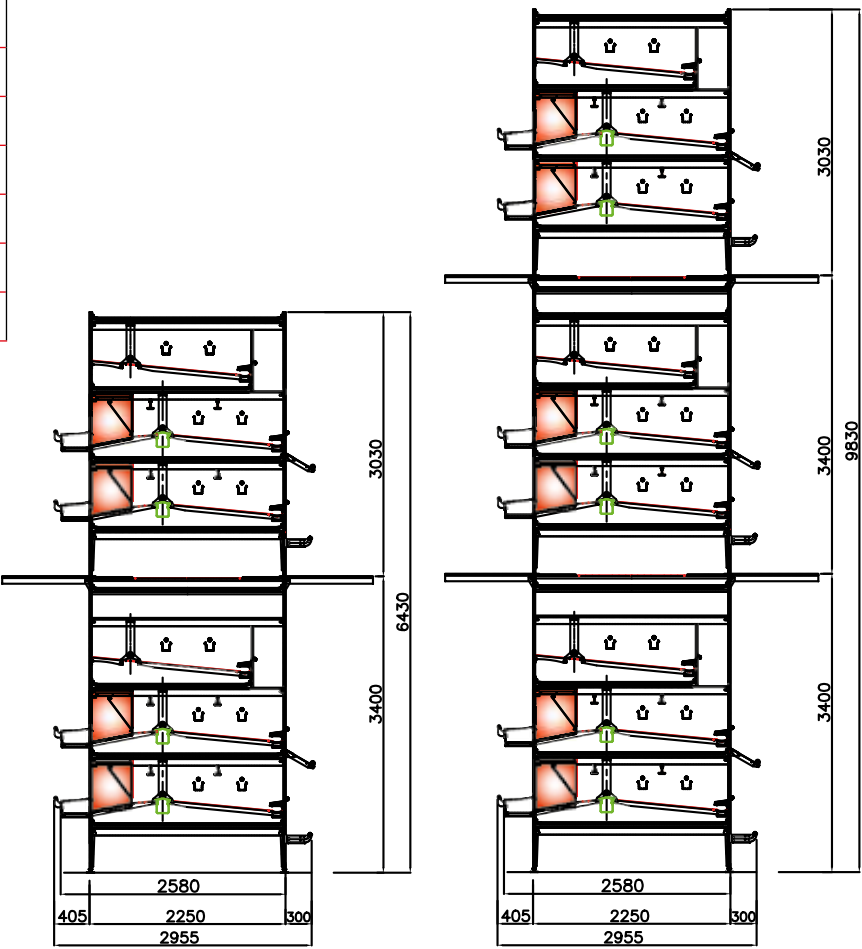
CONFIGURATIONS



- FEED
- PERCH
- DRINKING
- NESTS
- LIGHTING

HEIGHT	SYSTEM		WALKWAY	
	mm	ft	mm	ft
2 TIERS	2230	7,31		
3 TIERS	3030	9,94		
2+2 TIERS	4830	15,84	2600	8,53
2+3 TIERS	5630	18,47	2600	8,53
3+2 TIERS	5630	19,47	3400	11,15
3+3 TIERS	6430	21,09	3400	11,15
3+3+3 TIERS	9830	32,25	3400	11,15

Measurements given in millimeters



PER LINEAR METER:	2 TIERS	3 TIERS
AVAILABLE AREA M ²	4.18	6.06
NEST AREA M ²	0.98	0.98
LINEAR M OF FEEDING TROUGH	8	12
LINEAR M OF PERCHES	11	15
NIPPLES N°	13	13