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TWIN-C REPORT

INDUSTRIAL

UP-TO-DATE INFORMATION ABOUT INTELLIGENT LIGHTING SOLUTIONS FROM WALDMANN | MARCH 2009



MORE EFFICIENCY FROM PROPER LIGHTING

INTEGRAL LIGHTING CONCEPT AS A FACTOR FOR SUCCESS OF ITALY'S LETTER AND PARCEL POST



Just how competently and efficiently modern postal companies face the immense logistical challenges is apparent from the example of "Poste Italiane", which implemented a dramatic modernization process on all levels over the past few years.

The defined goal was to improve the quality of services and expand the product range. This strategic vision, in conjunction with a program providing for significant investments in technology, infrastructure, and training, enabled the company to significantly raise performance standards, increase the level of professionalism of the staff, and redesign the post offices in no time at all. As a result, the company achieved increased customer satisfaction and was able to show a profit on the balance sheet.

Due to its profitability level, today the "Gruppo Poste Italiane" operation is among the largest postal companies in Europe.

During this rapid development process, "Poste Italiane" deliberately maintained its corporate philosophy, which is reflected in a nationwide close-knit network – with 14,000 post offices and approximately 150,000 employees. In addition, it is dedicated to the traditional task of accommodating the demands of the customers, be it private customers, companies, or public facilities.

The extent that integral concepts, to include the countless integrated and harmonized detailed solutions, play in this context is apparent from the new lighting design in the local postal distribution centers for letter and package deliveries.

The aim of designing the architecture, furnishing, and organization from the inside out, from the view of the employees, was brilliantly achieved.

As early as 5:00 am, the shipments are delivered, having already been automati-

cally presorted by the distribution centers. Because it is still dark this early during the fall and winter months, a lighting solution had to be found, which offers optimal visual conditions, especially for the manual detailed sorting operation, regardless of the season and time of day.

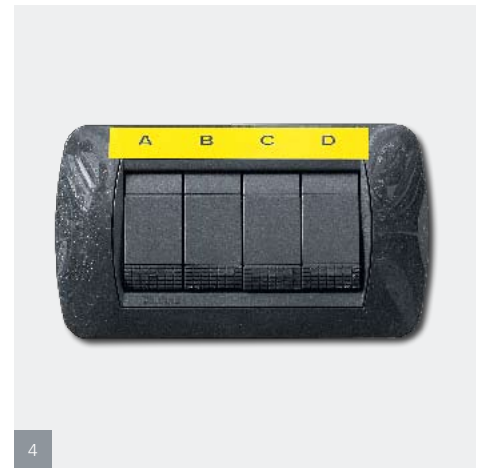
The "TWIN-C lighting concept" proposed by Waldmann Illuminotecnica provided a comprehensive solution to the defined requirement profiles.



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1 The enormous scope of individual mail items must be sorted manually. These work places require speed and a high level of concentration from the employees in order to distribute every letter and every package correctly into the individual compartments. Glare-free light offers lasting support to the employee for this responsible task.

2 The TWIN-C lighting concept from Waldmann is an integral lighting solution, which creates standard-compliant visual conditions using special lighting components at the work place. In the process, daylight and lighting of the room are integrated in the planning.

3 The SAME 228 from Waldmann is a special straight-tube fluorescent luminaire with integrated parabolic specular louvers for absolutely glare-free light. State-of-the-art technology with T16 (FH) fluorescent lamps and electronic ballasts generate pronounced energy efficiency and high lighting comfort at the same time. For outfitting the postal distribution stations, special mounts were developed and used.

4 A meaningful contribution to energy savings is the central circuitry. In this way it is ensured that only those work places are illuminated where work is actually performed.

All pictures are plant photos of Waldmann

The brightness level of 500lx required according to EN 12464 was assured with the installation of 50 individually switchable Waldmann SAME 228 straight-tube fluorescent luminaires with T16(FH) fluorescent lamps and electronic ballasts directly at the work places. Together with the incident daylight, and the ten 2x58W louvered lamps installed on the ceiling, a tailored lighting system with high lighting comfort and pronounced energy efficiency was implemented.

According to the employees' own statements, they feel significantly better with this work light, especially during the winter months.

Other advantages of the luminaire, which is attached directly to the work station using a special mount, is the flexibility and portability.



The stages

1998 Poste Italiane becomes a corporation
 2000 Start of the modernization of the post offices
 2002 First positive balance sheet after 50 years in the red

Close-knit network across the country

14,000 post offices
 60,000 mail boxes
 40,000 vehicles
 200 parcel and letter distribution centers
 140 branches in all of Italy

A team for nationwide services

150,000 employees (50% men and 50% women)
 60,000 counter employees
 45,000 mailmen
 1,400 Call Center employees

The largest Italian group for integrated services

23 mio. mail items every day
 20 mio. transactions every day
 2 mio. paid invoices every day
 250,000 parcels every day

Services for private customers, companies, and public administration

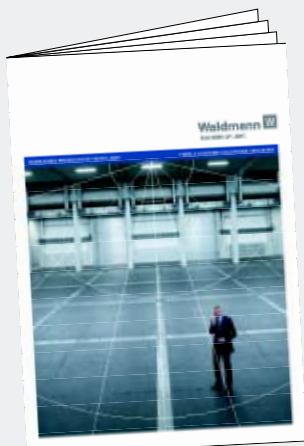
1.5 mio. customers in the post offices every day

10 out of 15 locations have already been equipped with the glare-free and energy-efficient TWIN-C lighting concept from Waldmann. Additional installations are planned.
 Lighting planning: P+V PROGETTI, Rome
 Task luminaires: Herbert Waldmann GmbH + Co. KG, Villingen-Schwenningen

Conclusion:

According to the planners, the TWIN-C lighting system from Waldmann effectively supported the modernization and restructuring of "Poste Italiane" and lastingly promotes the performance and motivation of the employees in the postal distribution centers.

MORE ABOUT TWIN-C:



TWIN-C brochure

Did you know that 40 % of all building-related costs, in relation to the life cycle, are energy costs and that more than two thirds is attributed to lighting? TWIN-C shows ways to lower energy costs and increase lighting comfort. To ensure that rising energy costs do not automatically result in higher expenses for your company, increased energy efficiency plays a crucial role. In the office, investing in proper lighting, however, means not only savings in day-to-day energy costs, but at the same time greater attention by the employees, less fatigue, improved concentration, and better performance. Minimized

energy consumption at maximized user comfort is the goal of a future-oriented lighting design. TWIN-C ensures an equitable consideration of these requirements. Request our brochure and learn more about it. We will show you based on different TWIN-C lighting concepts how "the right lighting combination" can increase your company's success.

www.waldmann.com