



# Traffic - Energy

High-speed folding doors

**Safety and Technology  
for medium to large  
entrances**

**DITEC**

**AUTOMATIC  
ENTRANCE  
SPECIALISTS**



# Traffic

**With motor fully  
concealed in the frame.**

**Available in a wide  
range of highly  
appealing designs.**

## ▶ Traffic C - Reliable and untiring, with modular counterweights and INVERTER

Sturdy, reliable, safe: ideal for medium to large openings.

It is particularly suitable for external entrances and they work with ease in the most diverse conditions, including windy conditions, or in very low pressure rooms.

Powerful, tireless and compact, it is suitable for any industrial or commercial premise.

The counterweighted balancing system and the INVERTER system ensure high operating standards in terms of performance and safety.

Designed with the BUILT IN system, it features a smart built-in structure housing a motor, a counterweighted balancing system, control and safety devices and a fast semi-automatic reopening system.

As well as aesthetically pleasing, the automation offers the benefit of protecting all the components from the wear caused by the elements.





**▶ Traffic CM - Reliable and safe, with modular counterweights and semi-automatic emergency reopening system**

Boasts the main Traffic C basic features; it is sturdy and untiring and is suitable for closing very large external entrances.

Its truly unique reliability and safety is ensured by its motor and its modular counterweighted system with fast semi-automatic reopening device.

The automation is also sturdy, yet compact in size.

**For large dimensions.**



# Energy

## ▶ Energy

Compact and ultrapowerful, it is the basic solution also for very large doors.

Its reduced size allows it to be installed even where space is at a premium.

Energy Plus is the most advanced offering in the high-speed folding door industry, now also available with a new gear motor which allows larger doors to be automated. With the same safety features as all DITEC products, it is even more powerful, compact and easily adaptable for any environment, both industrial and commercial.

**Simple, reliable and incredibly practical!**



**Optional modular curtain**



## Ditec range. Technology and safety. Its technologically superior features ensure the highest safety

Traffic and Energy can be supplied in different levels of design (**Basic, Comfort and Top**), to better satisfy the differing operating requirements and to comply with the different local standards. The wide range offered features a whole array of unparalleled technological features:

- ▶ Hot galvanised or stainless steel frame
- ▶ Heavy duty, 400 V three phase motor, ensuring up to 1.0m/s opening speed
- ▶ IP55 rated electronic panel complete with push-button panel with open-close-stop membrane control featuring an **autotest function**, compliant with 2006/42/EC and 89/106/EC European Directives. TÜV certified
- ▶ Modular counterweighted balancing system, with anti-fall safety device (Traffic)
- ▶ Provision for installation of a fast semi-automatic emergency reopening device (Traffic) or a manual reopening device with operation rod (Energy)
- ▶ Different speeds, accelerations and braking control INVERTER system
- ▶ Flexible full curtains with provision for window sections or interchangeable modular curtains featuring unique full-width see-through window sections, both made of class 2 self-extinguishing polyester
- ▶ Resistant to up to 120 km/h wind pressure
- ▶ The availability of large areas of the flexible curtains to be used as window sections allows the most diverse operating requirements to be met, thus ensuring better visibility and therefore safety when going through the door
- ▶ Wide range of colours for flexible curtains
- ▶ Polyester, wear- and traction-resistant lifting belts
- ▶ Friction-resistant semi-hard PVC vertical seals. Fitted along the vertical curtain edge, they reduce wear by aiding the flexible curtain sliding action and ensuring a longer life
- ▶ Three different versions of bottom safety edge
  - Passive edge: featuring a grey polyester coating
  - Electromechanical sensitive edge: obstruction detection system with immediate reversal of movement
  - Sof self testing safety rib: complete with system **automatic control** electronic circuit, built in the electronic panel, in compliance with 2006/42/EC and 89/106/EC European Directives. TÜV certified.



## Safety, Technology and Environmental Protection

### ► Many practical and safe controls

Supplying a practical and sturdy door is just the beginning: it needs to be controlled with a suitable range of practical and safe control accessories suitable for any requirement. DITEC's huge experience in the automatic entrance industry allows us to offer a range of push-buttons, radio controls, magnetic loops, selector switches, various technology radars, photocells which is equal to none.

### ► Ditec is technologically superior, especially when it comes to safety

Sof inherently safe, self testing safety ribs are devices which, when installed on the bottom edge of the curtain, thanks to the innovative rubber profile with an internal pre-welded electrical wire, automatically and instantly stop or reverse the movement of the door.

They are certified to class 2 EN 954-1 and TÜV standards.

The **INVERTER** system makes it easy to adjust speeds. The **SOFT START** and the **SOFT STOP** facilities avoid mechanical parts stress, thus ensuring the reliability and long life of the door.

The photocells, fitted to the uprights, ensure maximum safety when going through the door.



### ► Long life. Efficiency assured

Traffic and Energy are safe and, suitably fitted and accessorized, they comply with the strictest international standards.

The modular counterweighted balancing system with strong driving belts fitted on the Traffic allows the motor to operate in optimal stress conditions; the counterweights also ensure the curtain to be safely held.

### ► Focusing on basics, low maintenance and environmental protection

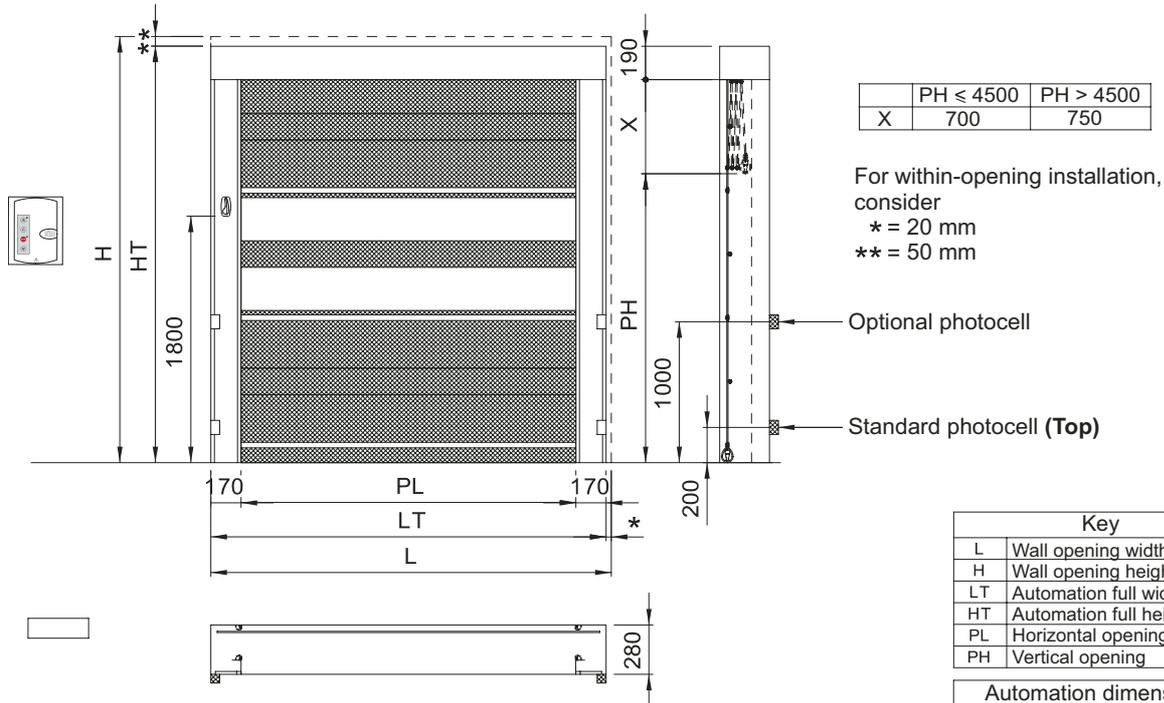
Traffic and Energy are available in different designs which, with growing levels of fittings and accessories, make them suitable for different operating requirements and industry standards, still ensuring the highest level of safety when the door is used responsibly.

It is also a responsible choice for the environment. In fact, the automation boasts all the components required for the type of installation without any unnecessary technical features, leading to a major reduction of maintenance costs.

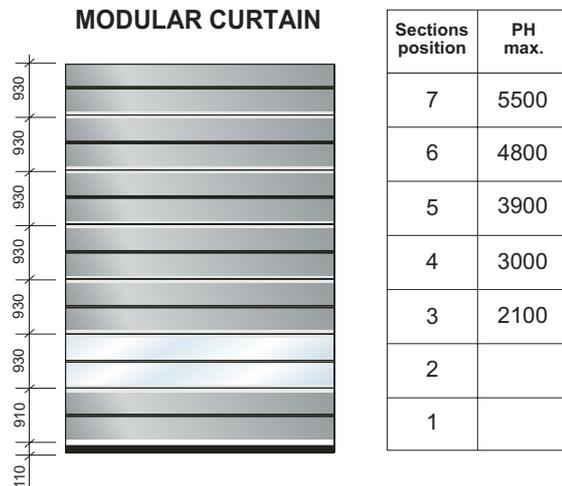
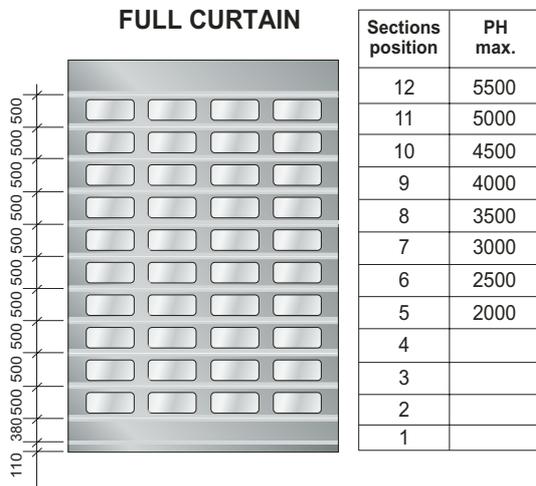


# Traffic C

## Dimensional specifications

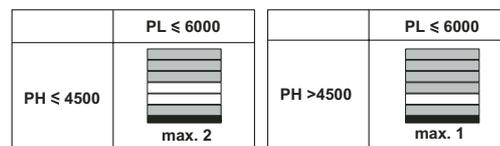


## Flexible curtain features (Maximum values)



**Maximum no. of optional PVC see-through sections**  
 (the position of the sections can be selected according to the diagram)

Number of window sections for curtain section	PL			
	≤2250	≤3750	≤5000	≤6000
Window sections	1	2	3	4

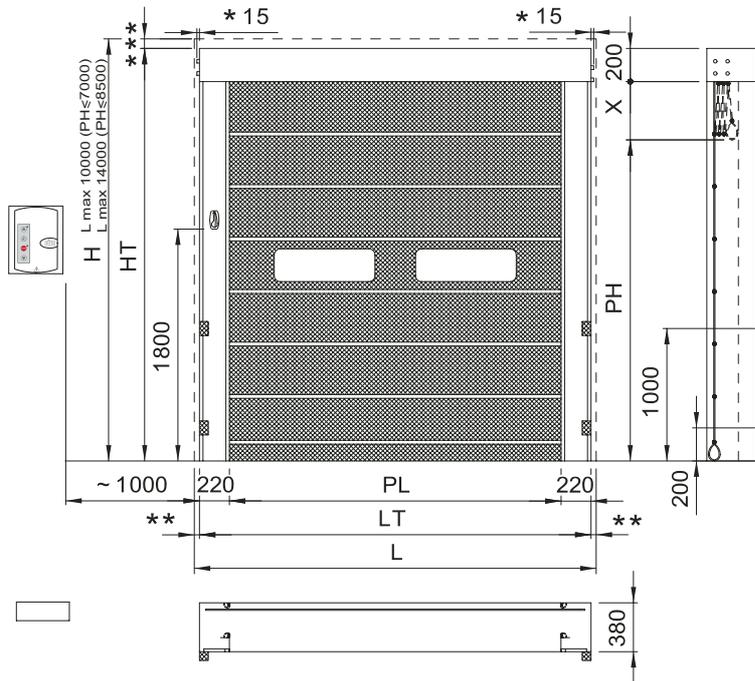


**Note:** only the first bottom section and the last top section cannot have window sections

**Note:** modular PVC see-through section on all sections, bar the highest

# Traffic CM

## Dimensional specifications



When making an inspection, please take into account the side space

\* = 15 mm per side

For within-opening installation, consider

\*\* = 25 mm

\*\*\* = 50 mm

Optional photocell

Optional photocell

Key	
LT	Automation full width
HT	Automation full height
PL	Horizontal opening
PH	Vertical opening

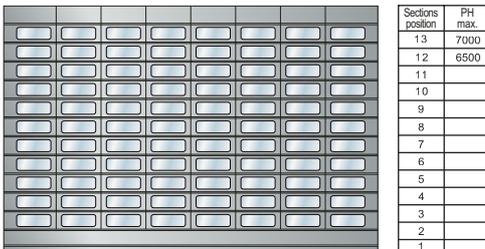
Automation dimensions		
	min.	max.
PL	1800	11000
PH	2710	7000 (8500 with PL max. 9000)

Note: for curtain restrictions, please see price list

	PH<4500	PH≤6000	PH≤7000	PH≤8000	PH>8000
X	600	750	850	1000	1100

## Flexible curtain features (Maximum values)

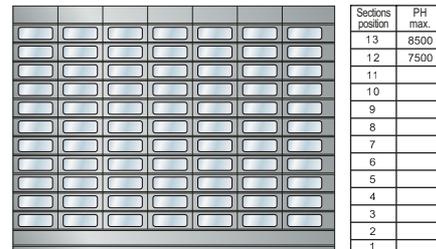
### • Types of curtain up to PL 11000 and from PH > 6000 up to PH 7000



PL	<2250	<3750	<5000	<6250	<7500	<8500	<9750	<11000
Windows	1	2	3	4	5	6	7	8

Note: Window sections unavailable for:  
- First bottom section - last top section

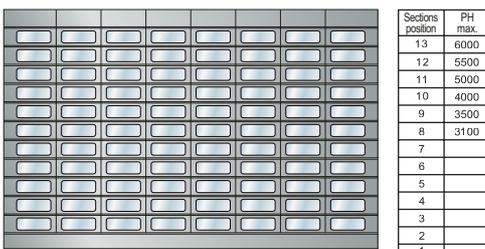
### • Types of curtain up to PL 9000 and from PH > 7000 to PH 8500



PL	<2250	<3750	<5000	<6250	<7500	<8500	<9000
Windows	1	2	3	4	5	6	7

Note: Window sections unavailable for:  
- First bottom section - last top section

### • Types of curtain up to PL 11000 x PH 6000



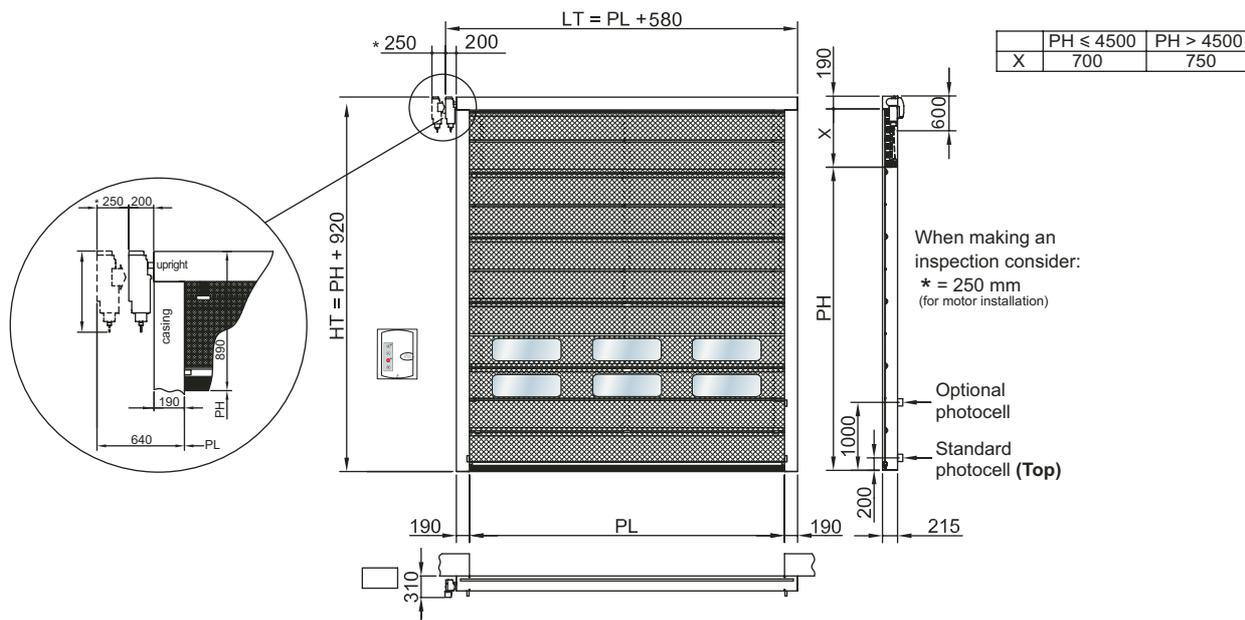
PL	<2250	<3750	<5000	<6250	<7500	<8500	<9750	<11000
Windows	1	2	3	4	5	6	7	8

Note: Types up to PH 4500 cannot have windows sections:  
- second last top section

Note: Window sections unavailable for:  
- First bottom section - last top section

# Energy Plus

## Dimensional specifications



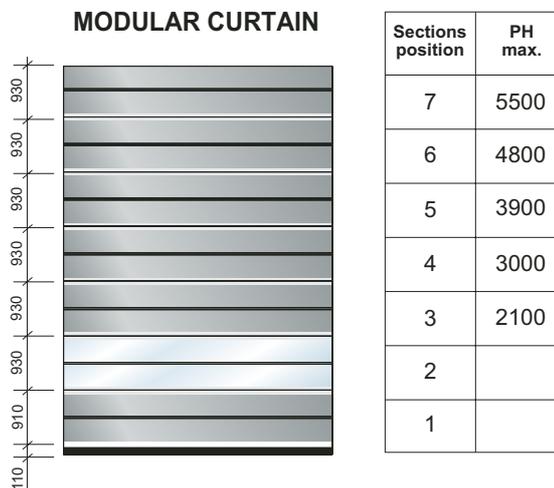
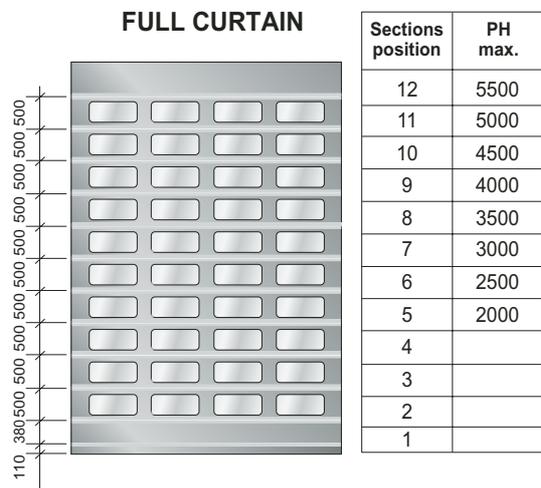
Manual operation for single speed motor  
- availability of crank provided at man's height -

Curtain	Full curtain also with max. no. of window sections Modular curtain with max. 1 see-through section	Modular curtain with more than 2 see-through sections
V1	≤ PL 4500 x PH 4500	< PL 4000 x PH 4500
V2	≤ PL 4000 x PH 3100 ≤ PL 3000 x PH 4500	< PL 3000 x PH 4500
V3-V4	not applicable	not applicable

Key	
LT	Automation full width
HT	Automation full height
OL	Horizontal opening
PH	Vertical opening

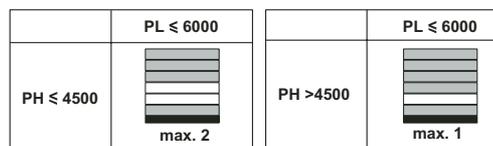
Automation dimensions		
	min.	max.
PL	900	6000
PH	2000	5500

## Flexible curtain features (Maximum values)



**Maximum no. of optional PVC see-through sections**  
(the position of the sections can be selected according to the diagram)

Number of window sections for curtain section	PL			
	≤2250	≤3750	≤5000	≤6000
Window sections	1	2	3	4



**Note:** only the first bottom section and the last top section cannot have window sections

**Note:** modular PVC see-through section on all sections, bar the highest

## Special accessories and equipment - optional

Each component has been designed, manufactured and tested to ensure the highest performance of the door.

These automatic flexible doors are truly remarkable not only for their good design and reliability, but also for their staggering versatility in housing a wide range of useful accessories which make them unique and unparalleled in their class.

Description of Article	Energy			Traffic C		Traffic CM
	BASIC	COMFORT	TOP	BASIC	TOP	BASIC
<b>BOTTOM EDGE</b>						
Sensitive – electromechanical bottom edge	●	/	–	●	–	●
Sensitive – electromechanical bottom edge < PL 6000	–	–	–	–	–	●
Sensitive – electromechanical bottom edge > PL 6000	–	–	–	–	–	●
Safety rib – SOF self testing, TÜV certified	–	●	/	●	/	●
Safety rib – SOF self testing, TÜV certified - < PL 6000	–	–	–	–	–	●
Safety rib – SOF self testing, TÜV certified - > PL 6000	–	–	–	–	–	●
<b>FABRICATION</b>						
Cabling – easy fitting	●	●	●	●	●	●
Cabling – gear motor / electronic panel, excluding safety devices	●	●	●	●	●	●
Cabling – complete and fitted to the fabrication, including safety devices	●	●	●	●	●	●
Casing bottom guard - galvanised steel	–	–	–	●	●	–
Casing bottom guard - AISI 304 stainless steel	–	–	–	●	●	–
Stainless steel - AISI 304 fine satin-finish metal frame	●	●	●	●	●	–
The whole structure is oven-baked epoxy coated and features a smooth finish (see colour table)	●	●	●	●	●	●
The whole structure has a special oven-baked epoxy coating, colour on request (previously agreed)	●	●	●	●	●	●
<b>MOTOR</b>						
2 speeds: opening speed up to 0.7 m/s - closing speed 0.35 m/s	●	●	●	–	–	–
2 speeds: opening speed up to 1.0 m/s - closing speed 0.5 m/s	–	–	–	●	–	●
1 speed with special rustproof treatment and IP 65 rated micro limit switches	–	–	–	●	–	–
Emergency - semi-automatic reopening device	–	–	–	●	/	●
Motor guard – galvanised steel, left or right	●	●	●	–	–	–
Motor guard - AISI 304 stainless steel, left or right	●	●	●	–	–	–
Inverter - different speeds control system: opening speed 0.5 to 1 - closing speed 0.4 to 0.8	●	●	●	–	–	–
Inverter - different speeds control system: opening speed 0.7 to 1.3 - closing speed 0.5 to 0.9	–	–	–	●	/	–
Inverter - Inverter battery operated emergency power supply	●	●	●	●	●	–
Manual operation - device complete with crank	●	●	/	–	–	–
Manual operation rod at man's height (see table), may be used together with the manual crank	●	●	●	–	–	–
Special RH side position	●	●	●	–	–	–
<b>FLEXIBLE CURTAIN</b>						
Modular PVC see-through section (see diagram - bar the highest)	●	●	●	●	●	–
Single PVC see-through window section 980 x H300 for full curtain	●	●	●	●	●	●
Modular sections curtain	●	●	●	●	●	–
Wind - curtain with V2 wind resistant version	●	●	●	●	●	●
Wind - curtain with V3 wind resistant version	●	●	●	●	●	●
Wind - curtain with V4 wind resistant version	●	●	●	●	●	–

KEY: ● optional, / as standard, – not available

## Accessories for flexible curtains

Description of Article
Insulated – full sandwich Ug 3.83 4 mm thick white, grey, green and blue curtain (PL max 4500 x PH max 4500) - Not available for Traffic CM
Special colour on request for folding modular section (previously agreed) - Not available for Traffic CM
Special colour on request for folding full curtain (previously agreed) - Available only for Traffic CM
RAL 9016 Eco white for folding modular section - for food use - Not available for Traffic CM
See-through PVC window section 980 x H 300 for thermally insulated folding full curtain - Not available for Traffic CM
White micromesh window section 980 x H 300 for folding full curtain - Available only for Traffic CM
White micromesh for folding modular section - 30% empty - Not available for Traffic CM
Curtain protection - angled L 4000 mm to be fitted to a lintel
Curtain protection - 10 pieces to be fitted to the pipes
Grey polyester covering for SOF self testing safety rib
Customised screen print L 1500 mm max - H 800 mm max (H max 200 mm on see-through PVC section for folding curtain only)
Customised screen print L 4000 mm max - H 800 mm max (H max 200 mm on see-through PVC section for folding curtain only)
Vertical seal or compensation brush in 2500 mm rod

Curtains - Standard available colours				
				
<b>Red</b> similar to RAL 3000	<b>Blue</b> similar to RAL 5010	<b>Orange</b> similar to RAL 2004	<b>Gray</b> similar to RAL 7038	<b>Yellow</b> similar to RAL 1021
				
<b>Green</b> similar to RAL 6026	<b>Cream</b> similar to RAL 1014	<b>White</b> similar to RAL 9016	<b>Light blue</b> similar to RAL 5012	<b>On request</b> other colours



## Control and safety systems

- ▶ **RMM** - Microwave radar with function discrimination: vehicle-pedestrian direction of movement
- ▶ **TEL 2** - RMM radar distance adjustment remote control
- ▶ **GOL 4 transmitters** - Fixed code four channel-four function, with cloning option, or with rolling code system
- ▶ **LAB 9CS** - Board detector complete with cable for magnetic loop
- ▶ **SOF safety ribs** - Ensure the highest levels of safety when opening and closing each entrance system
- ▶ **XEL 22 C4** - Pair of columns H 2.5 m with four synchronised, precabled photocells
- ▶ **LAB 4** - Pair of externally mounted infrared photocells, for general use
- ▶ **LAMP H** - 24 V flashing light



RMM



TEL 2



GOL 4



GOL 4W

## Standards

The system has been manufactured by using only DITEC manufactured accessories and safety devices.

All DITEC automations are affixed with the CE mark and are designed and manufactured in compliance with the European Directive 2006/42/EC and 89/106/EC. TÜV certified.

DITEC S.p.A. operates a policy of continuous development and reserves the right to make changes and improvements to their products. The technical data contained within this document is therefore not binding.

Further information can be found in our on-line technical manuals at: [www.ditec.it](http://www.ditec.it)



LAB 9CS



SOF



XEL 22 C4



LAB 4



LAMP H



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