

# CROSSWAY LE



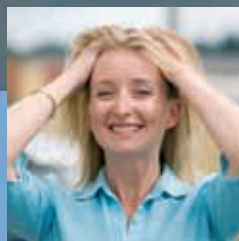
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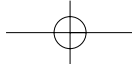
# CROSSWAY LE



# EVERYONE IS TALKING ABOUT IT

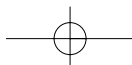


*As one of the major world players in the public transport sector, Irisbus Iveco's primary concern is to improve the quality of life of its passengers by making their journeys safer, more comfortable and more enjoyable. At the same time, Irisbus Iveco is committed to simplifying the routine tasks of drivers, while offering optimised profitability to vehicle operators. These objectives shape the company's vision for sustainable development, environmental protection and individual rights. As a place for social interaction, the coaches and buses of the Irisbus Iveco range fully present the company's fundamental values of humanism, responsiveness, creativity, partnership and enthusiasm.*



## Equally at home for suburban and intercity transport

Available in two lengths, 12 metres and 12.80 metres, Crossway LE is equally at home in both suburban and intercity environments. As well as having a radically new design, it is notable for its outstanding accessibility, excellent carrying capacity, high levels of comfort and low fuel consumption. Modular by nature and offering a full range of possible layouts, it responds exactly to the needs of operators wanting to optimise operating costs. In addition, the use of proven technology and standardised components help make Crossway LE the ideal vehicle in terms of profitability.



# IMMACULATE STYLING





## Innovative, subtle styling

With its deliberately understated design, the harmonious blend of aesthetics and efficiency, the fluidity of its exterior lines and the elegant curves, Crossway LE shows what it really means to be modern.



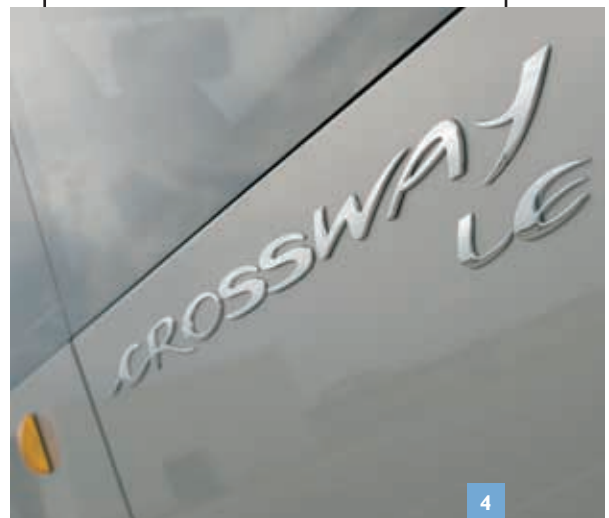
## A style that says it all

The smooth side walls with large windows allowing perfect visibility and light within, Crossway LE is recognisable by its immaculate styling and its amazing ability to blend into the environment.



## Irisbus Iveco through and through

In keeping with the styling of all vehicles of the Irisbus Iveco urban and intercity range, Crossway LE captures the major elements, from the smiling front wall to the stunningly simple rear.



- 1 - An elegant shape.
- 2 - 3 Refinement in every little detail.
- 4 - Crossway LE: great expectations.

# COMFORT FIRST AND FOREMOST



1

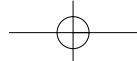
## A vehicle truly for all

A model of accessibility, Crossway LE is unparalleled in the welcome it offers. The access height is just 320 mm at the front door, and 330 mm at the centre, this being reduced to just 265 mm with the kneeling device\*. With accessibility still the key, a manually- or electrically-operated wheelchair access ramp\* is available on the front and rear doors, since this vehicle can be fitted to include one or two wheelchair places. The feeling of welcome on board Crossway LE continues inside the vehicle, thanks most notably to the interior architecture, the low floor at the front and centre, the total vehicle width (2.55 metres) and the design of the seats. These elements all combine to allow unhindered movement through the vehicle.

\* Standard or as an option according to regulation.



2



## A world of well-being

Bright, spacious and finished with carefully chosen materials, Crossway LE is an invitation to well-being and relaxation. Designed to allow the maximum number of passengers to travel facing the road, it brings together all the conditions necessary for enjoyable travel. Thus the comfort and quality of the seats, the independent front wheel suspension, the generous use of glass, the high level of sound insulation and the air conditioning \* all help ensure that every journey is a success.

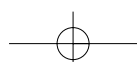
\* Available as an option.

## Safety as standard

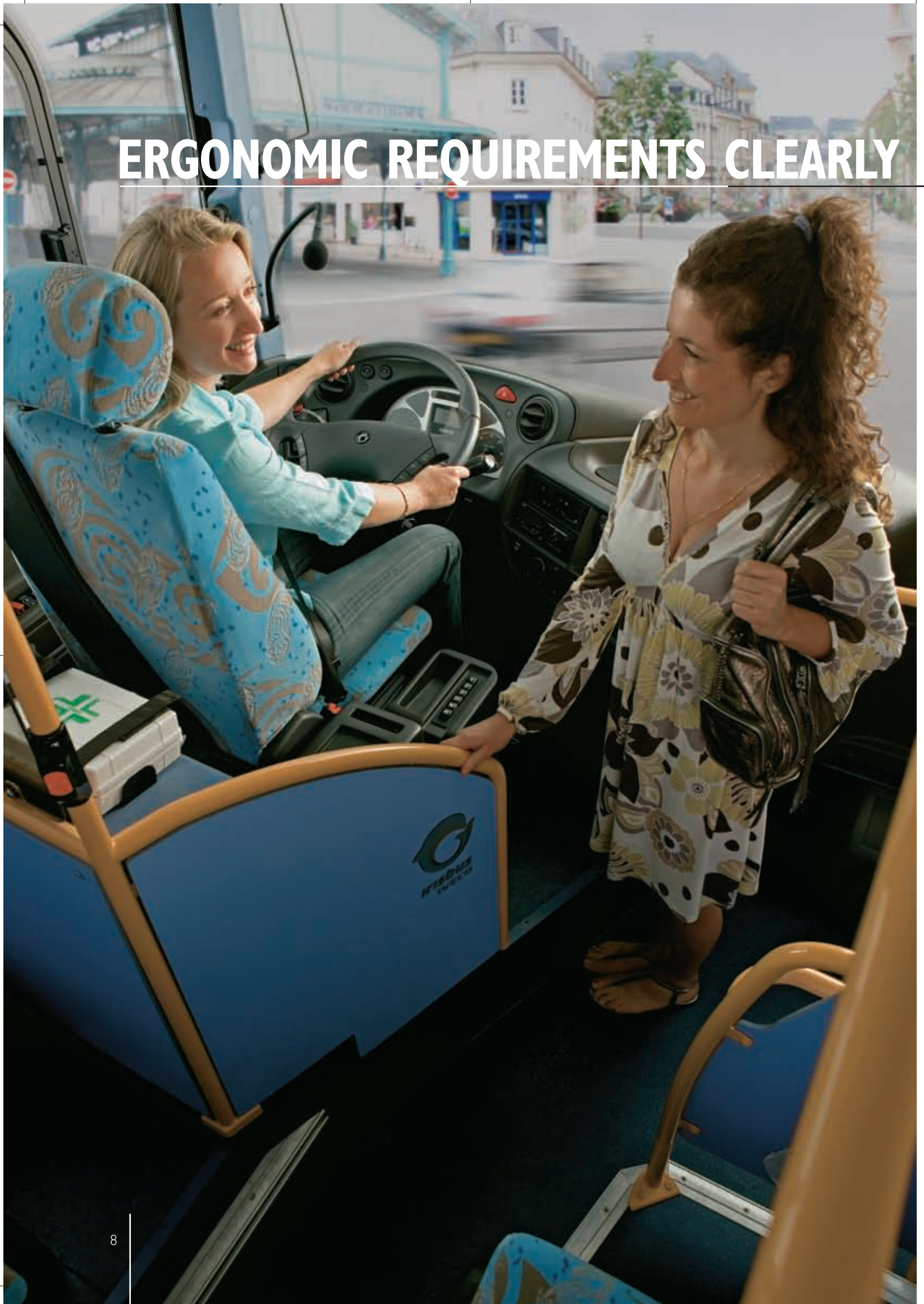
Crossway LE was designed to comply with the most stringent of European safety directives: R66 rollover tests, the accident avoidance test, seat anchorage, an effective and performing braking system, and ABS and ASR anti-lock braking and anti-skid systems. And with safety still in mind, the structure of this vehicle undergoes an anticorrosion treatment combining zinc plating and cathoretic immersion. The use of advanced manufacturing techniques like rigid structure assembly and the choice of anti-vandalism and fire-resistant materials further contribute to the feeling of safety on board Crossway LE.



- 1 - The interior of the intercity Crossway LE.
- 2 - The interior of the suburban Crossway LE.
- 3 - 4 Full accessibility.
- 5 - Luggage rack for identity purposes.



# ERGONOMIC REQUIREMENTS CLEARLY



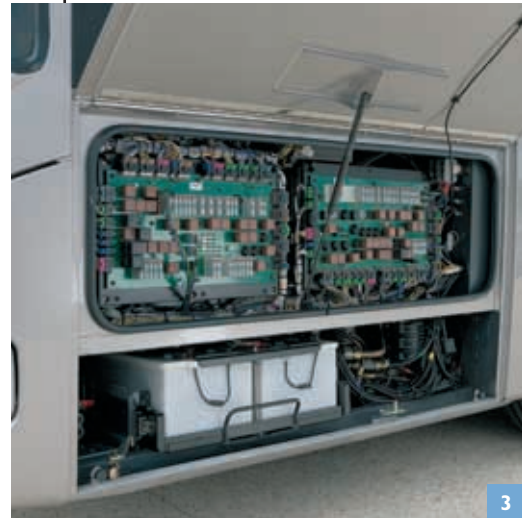
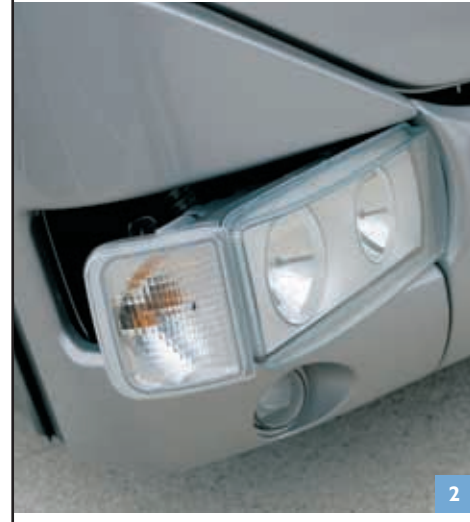
# DISPLAYED

## Relaxing driving

The redesigned dashboard, the modular instrument panel and the ergonomic steering wheel, all of which resulted from Irisbus Iveco's consultations with drivers, combine to make the driver's position in Crossway LE ideal for relaxed driving. The driving parameter display unit activated by buttons on the steering wheel, the on-board computer, and the distribution of functions into three distinct zones on the dashboard give the driver instant access to the information he needs, and alert him immediately to any malfunction. The radio controls are located on the steering wheel. The different adjustments for the seat, which comes with a head rest, and for the steering wheel allow the driver to find the perfect position for his own shape and size.

## Total efficiency on board

The driver can equally rely on the comfort of the suspension, perfect vehicle manoeuvrability with the best turning circle on the market, plus all the benefits of a raised driving position, giving him excellent visibility of the traffic around him. This driver's position can also be fitted, as an option, with a door hatch, a fare collection point and a cash box. Finally, for his own security, the driver may also benefit from a closed anti-aggression cab.



- 1 - Driving parameter display and on-board computer.
- 2 - 3 Easy access for simpler maintenance.
- 4 - Storage space above the driver's position.

# THE NUMBERS ADD UP TO INCREASE



## Easy maintenance and reliability through time

Like all vehicles in the Irisbus Iveco range, Crossway LE naturally only uses long-proven components and major mechanical groups for greater reliability and longer operating life. This vehicle also offers easy access to all the major parts in order to speed up regular maintenance. In addition, the standardisation of spare parts also contributes to reducing off-the-road time for maintenance, as does the design of the coachwork skirting which is made of easily removable and replaceable parts. These features all combine to increase profitability and reduce operating costs.



# MAXIMISED PROFITABILITY



## Optimised carrying capacity

Based on the intended usage, whether intercity or suburban, the modularity of configurations available on Crossway LE (up to 2 wheelchair places) and the wide range of passenger layouts which can prioritise either seating or standing room, help maximise operating profitability\*. In fact, Crossway LE offers more seated places and a greater overall carrying capacity, resulting in a significant reduction in the number of journeys needed.

For example, the 12 metre suburban version can reach a total carrying capacity of up to 108 people (standing and seated), while the 12.80 metre intercity version can be fitted with 53 seated passengers (without wheelchair).



\* Another factor that helps to optimise operating conditions is the electronically-controlled suspension which speeds up the time taken for the kneeling operation and thus increases overall commercial speeds.

- 1 - Central platform: where space is the priority
- 2 - The interior of the intercity Crossway LE: the comfort factor.

# A VEHICLE THAT SHOWS WHAT IT IS MADE OF



## Always in its comfort zone, whatever the mission

Whatever its primary role and the operating area, whether suburban or intercity, Crossway LE is always the perfect solution. Its performance can be explained by the multitude of choices available to operators: choice of layout, the priority given to the number of seated or standing passengers, the number of doors, the type of seats, and even the choice of engine based on the specific operating characteristics.

### Main options

- Electrically-controlled wheelchair access ramp
- Air conditioning and double glazing
- One or two wheelchair places
- Electronic operating equipment (e.g. direction signs, ticket punching machines)
- Luggage racks
- Driver's cab
- Euro 5 or EEV.



## Technical characteristics Crossway LE

Version	Suburban	Intercity	
Length	12 m	12 m	12.80 m
Luggage rack volume*	Without	3.0 m <sup>3</sup>	3.5 m <sup>3</sup>
Passenger capacity	up to 108	up to 89	up to 90
Included seated passengers	35 to 38 (2001/85 TCP)	45 to 49**	45 to 53**
Front door	double 1200 mm	800 mm, simple or double	
Middle door	double 1220 mm	double 1200 mm, 800 mm simple or double	

\* Option. \*\* Without wheelchair place.

### Suburban 12 m



Two 1200 mm double doors

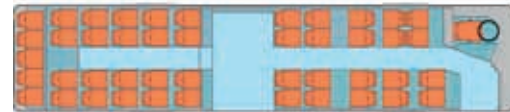


Layout for 38 seats and one wheelchair

### Intercity 12 m



800 mm front door and 1200 mm double mid-door

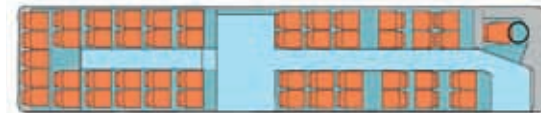


Layout for 45 seats and one wheelchair

### Intercity 12.8 m



800 mm front door and 1200 mm double mid-door



Layout for 49 seats and one wheelchair

## A choice of four seat types

- Ster :** For suburban without seat belts
- 7925 :** For intercity without seat belts
- School :** For intercity with seat belts
- Lineo :** For intercity with or without seat belts, fixed or reclining, with folding armrest.



Ster



7925



School



Lineo

# ART AND ECOLOGY COMBINED



## Proven technology

Crossway LE of course benefits from the manufacturing quality traditionally attached to vehicles of the Irisbus Iveco range, and from the exacting standards covering their design. It is built mainly from parts that have already been proven reliable, year after year. But, in addition, Crossway LE also benefits from the very latest technological advances, such as multiplexing of the major components and incident warning signals on the driver's display unit.



## Environmentally-friendly engines

The power train on Crossway LE is suitable for all missions and operating conditions, thanks to two gearboxes (automatic or mechanical) and two Euro 4 engines. Available in three power ratings, 264 HP (194 kw) and 300 HP (220 kw) for the Tector and 330 HP (243 kw) for the Cursor; these two engines combine reduced fuel consumption with increased torque. Notable too is how these engines reflect the importance that Irisbus Iveco attaches to protecting the environment.

Thus, the Tector engine can, as an option, be made to satisfy the requirements of the EEV levels (Enhanced Environmentally-friendly Vehicle) which allows a two-fold reduction in particulate emissions compared to that allowed under Euro 5, without the use of a particle filter.

As for the Cursor engine, again as an option, it can be made to comply with the requirements of the Euro 5 standard which comes into force in 2009. This standard brings about a reduction to almost one half of the nitrous oxide emissions allowed by Euro 4. And finally, it can meet the EEV standard, by adding a particle filter.

1 - Crossway LE: environmental protection first.

2 - Engine Tector 6 litres 300 HP (220 kw).

3 - Engine Cursor 8 litres 330 HP (243 kw).

4 - Adblue tank filling point.



2



3



4