

OTIS

Lumina™



LUMINA. We set out to meet your design expectations.
Then we endeavoured to exceed them.





LUMINA

LUXURY APARTMENTS

PRESTIGE OFFICES

LUXURY HOTELS



CAR DESIGNS
4

CAPACITY
4-26 passengers

CAR WALL FINISHES
24

It's being so versatile that makes the LUMINA™ car so exceptional.

CLASSIC VIRTUES, CONTEMPORARY LOOKS.

Probably the single factor that defines the character of a car is the lighting. With the LUMINA car, we have created an extravagant range of five lighting arrangements. Each offers a different level of illumination, from the discreet to the sumptuous. In combination with a choice of four wall types, a host of decorative effects can be achieved.

Embedded in the side wall panels, the car operating panel is in stainless steel hence astutely complements the ambience of the car. So, too, do the metallic handrails.

Painstaking attention to detail can also be found in the car fittings – from the Car Direction Lantern which employs blue LED diodes to provide increased light intensity to the metallic plated kickplates. Such features, cumulatively, help establish the prestige of the LUMINA car. And demonstrate that while lift travel is short in time, it can be long on pleasure.



SKINPLATE



LAMINATE



STAINLESS STEEL



WOOD



6 WOOD FINISHES

The classical virtues of wood are found in the LUMINA car's range of six natural veneer finishes. Light, medium or dark-hued, mounted vertically or horizontally, the panels lend themselves to a contemporary or to a more traditional ambiance. The key is how they are married with one of the five lighting arrangements. The combination of the two defines the style.

A stainless steel car operating panel harmonises perfectly with the wood lining. So do the wall trims with a satin chrome, mirror chrome or mirror gold finish.

Car facade and car doors are in white skinplate or brushed stainless steel.

Flooring alternatives offer the choice of hard-wearing rubber, artificial stone or a prestigious natural stone.



CAR PANELS

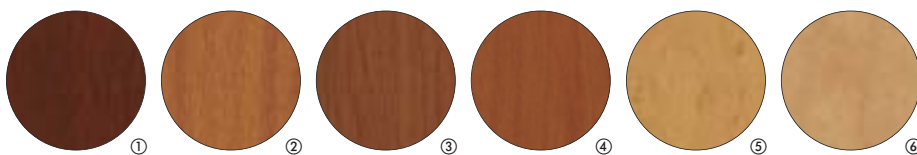
Wood

- ① Mahogany
- ② Beech
- ③ Cherry
- ④ Pear
- ⑤ Maple
- ⑥ Birch



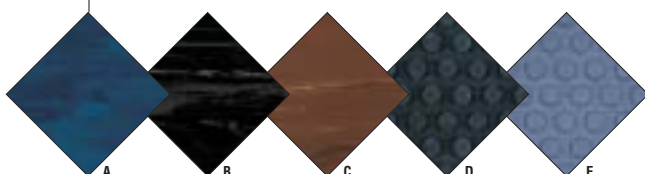
FLOORING

- Artificial stone
- Natural stone



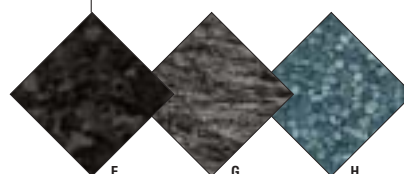
Rubber

- A Midnight Blue
- B Charcoal
- C Coffee
- D Black slip-resistant
- E Grey slip-resistant



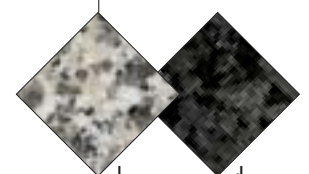
Artificial stone

- F Black Marble
- G Grey Marble
- H Blue Stone



Natural stone

- I White Granite
- J Black Granite



FLOORING*

*CAR CAN BE SUPPLIED WITHOUT FLOORING IF PREFERRED.

6 SKINPLATE FINISHES



CAR PANELS

Skinplate

- ① Zircon Blue
- ② Sky Blue
- ③ Sand
- ④ Cream
- ⑤ Grey
- ⑥ Green



FLOORING

As per samples shown below.

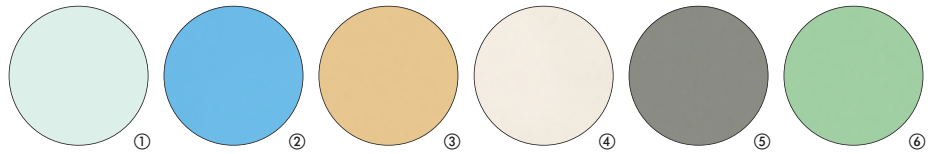
The clean, simple textures of the skinplate finishes offer a colourful lining option. The bright pastels pick up the ceiling lighting to create a light, spacious ambience.

Skinplate's other attractive feature is that it is hardwearing so it's also practical.

A stainless steel car operating panel is embedded in the side wall panel.

Car facade and car doors are in white skinplate or brushed stainless steel.

Flooring alternatives offer the choice of hard-wearing rubber, artificial stone or a prestigious natural stone.





6 STAINLESS STEEL FINISHES

A striking contemporary aesthetic can be achieved with one of the stainless steel linings. Dynamic yet also physically robust, stainless steel may be chosen where a car with high resistance attributes is required.

To create a modern ambience or simply to achieve a robust, durable car interior, one of six stainless steel finishes can be chosen.

Car facade and car doors are in one of six stainless steel finishes – as per the car wall panels.



CAR PANELS

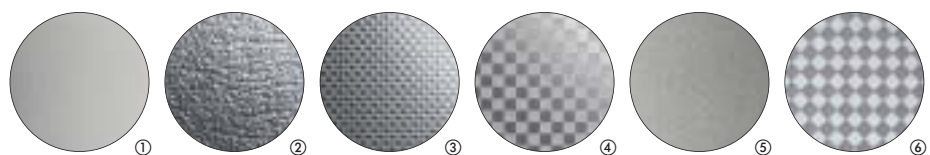
Stainless steel

- ① Brushed
- ② Buffalo skin
- ③ Linen
- ④ Dama
- ⑤ Pallinato
- ⑥ Chess



FLOORING

- Artificial stone
- Natural stone





6 LAMINATE FINISHES

The high quality laminate finishes can be fitted vertically or horizontally and are designed to complement the ceiling lighting so creating a rich ambience in the car.

The sense of opulence is emphasised by the stainless steel car operating panel embedded in the car wall.

Car facade and car doors are in white skinplate or brushed stainless steel.

Flooring alternatives offer the choice of hard-wearing rubber, artificial stone or a prestigious natural stone.



CAR PANELS

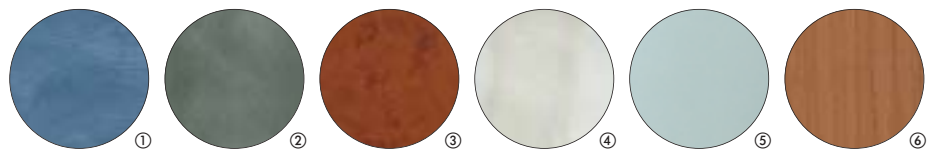
Laminate

- ① Brushed blue
- ② Brushed grey
- ③ Lotus Noon
- ④ White Marble
- ⑤ Crystal Loft
- ⑥ Morello cherry



FLOORING

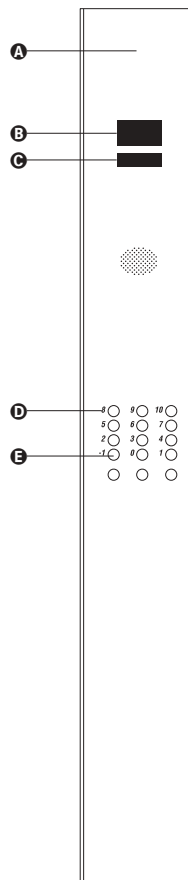
As per samples shown at bottom, on facing page.





CAR OPERATING PANEL

The sleek, unobtrusive profile of the car operating panel is a key to the overall refinement of the car. Set into the side wall and distinguished with backlit car floor numbers, its design has been conceived to be discreetly elegant.



STAINLESS STEEL

A Faceplate

- › Brushed stainless steel.

B Combined Car Position Indicator and Car Direction Indicator

C Data Plate

- › Car capacity information.
- › Emergency and alarm call pictograms (in yellow and green) showing when alarm call is made and voice communication is established.

D Floor numbers

- › Laser cut digits with white back lighting.
- › Braille characters.

E Target buttons

- › Either mirror gold plated or solid stainless steel with mirror or brushed finish.
- › Blue ring illumination.



DISPLAYS

In one of three types (*see below*) the Display is designed to be easily visible from all angles. Flush with the faceplate, it houses the Car Position Indicator and the Car Direction Indicator.

Liquid Crystal Display Screen (LCD)

Car Position and Direction Indicators.

Data plate.



Multicolour Liquid Crystal Display

Car Position and Direction Indicators with TFT technology for customised information.

Data plate.

Electro Luminescent Display

Car Position and Direction indicators for customised information.

Data plate.





CAR FITTINGS

Quality and choice are key parameters when defining car design. Hence lavish attention has been extended to the LUMINA car fittings - both to prominent features such as ceilings and handrails but also to small details such as wall trims and kickplates.

CEILINGS

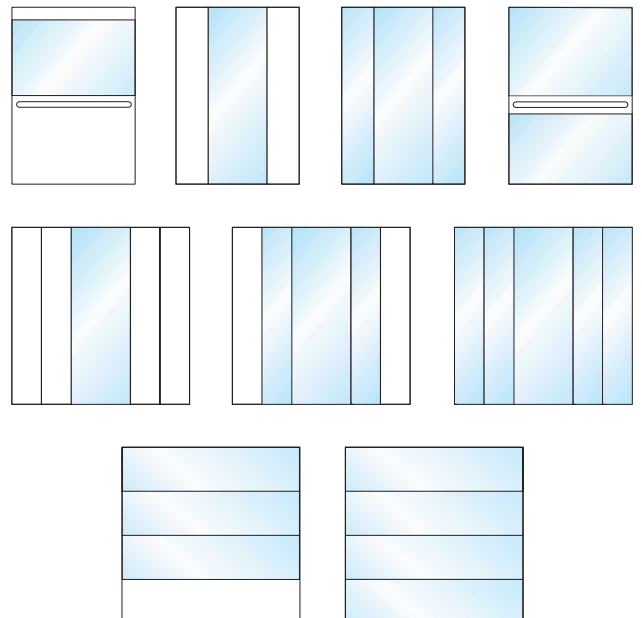
Five Designs

To meet contrasting briefs, five ceiling designs have been developed. Direct or indirect lighting – or a combination of both – with spot and fluorescent sources create a luminous car ambience. The designs comply with all the relevant codes.

MIRRORS

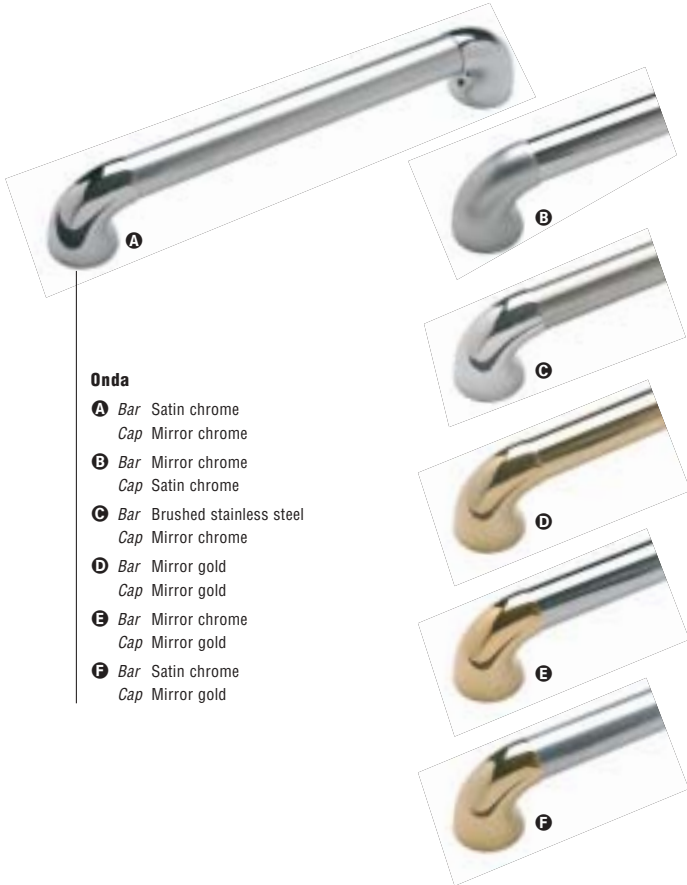
The bright, clear, non-tinted mirrors are in compliance with safety regulations to provide maximum passenger protection.

Typical arrangements:



HANDRAILS

The Onda and Vento handrails consist of a bar and end cap with contrasting finishes. The handrails are designed to comply with the EN81-70 standard and as such the ends are inset into the car wall. Finish combinations are shown below.



Onda

- A** Bar Satin chrome
Cap Mirror chrome
- B** Bar Mirror chrome
Cap Satin chrome
- C** Bar Brushed stainless steel
Cap Mirror chrome
- D** Bar Mirror gold
Cap Mirror gold
- E** Bar Mirror chrome
Cap Mirror gold
- F** Bar Satin chrome
Cap Mirror gold



Vento

- G** Bar Mirror chrome
Cap Satin chrome
- H** Bar Satin chrome
Cap Mirror chrome
- I** Bar Satin chrome
Cap Mirror gold
- J** Bar Mirror chrome
Cap Mirror gold
- K** Bar Mirror gold
Cap Mirror gold



SAFER ACCESS

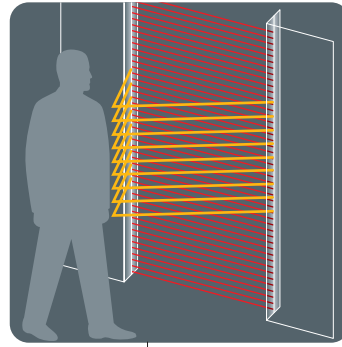
The LUMINA concept is designed to fully comply with the European Standard, EN81-70. This provides recommendations to facilitate general lift use and also use by the disabled.



CAR DIMENSIONS

Minimum entrance widths for car sizes are:

- **Type 1 (450 kg)**
Accommodates 1 wheelchair user.
> *Minimum car size:* 1000 x 1250 mm.
- **Type 2 (630 kg)**
Accommodates 1 wheelchair user and one passenger.
> *Minimum car size:* 1100 x 1400 mm.
- **Type 3 (1275 kg)**
Accommodates 1 wheelchair user and several passengers. Wheelchair can be rotated.
> *Minimum car size:* 2000 x 1400 mm.



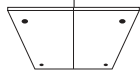
ENTRANCE PROTECTION

To prevent passengers being struck by the doors, the LUMINA design can be fitted with the LAMBDA™ 2 or, as an option, the LAMBDA 3D system. LAMBDA 2 consists of a screen of infra-red beams which act as an invisible curtain across the door entrance, extending from 25 mm to 1800 mm above the sill. LAMBDA 3D uses 14 extra beams which allow a sweep of 800 mm in front of the door.

OTHER SAFETY FEATURES

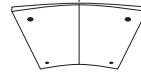
- **Mirror**
A wall mirror enables a wheelchair user to have a clear vision when reversing out of the lift.
- **Button features**
With blue ring illumination and an audible signal to denote an activated floor button there is, additionally, green ring identification for the lobby button which protrudes by 5 mm.
- **Floor numbers**
In relief and with Braille characters, the floor numbers are 15 mm high.
- **Car and hall direction indicators**
With 40 mm direction arrows, the indicators have an adjustable audio signal denoting arrival:
 - > one gong for upward direction,
 - > two gongs for downward.
- **Handrail**
Handrail ends are returned into the wall for greater safety.
- **Audible signals**
All audible signals are adjustable from 35 to 65 dBA.





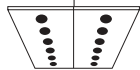
Halogen spot lighting.

➤ Flat, white skinplate or brushed stainless steel finish.



Halogen spot lighting.

➤ Curved, white skinplate or brushed stainless steel finish.



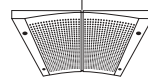
Fluorescent lighting with protruding diffusers.

➤ Flat, white skinplate or brushed stainless steel finish.



Fluorescent lighting, indirect and direct, with protruding diffusers.

➤ Curved, white skinplate or brushed stainless steel finish.



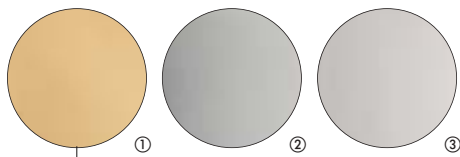
Fluorescent and halogen spot lighting.

➤ Curved mirror stainless steel finish.



LANDING FIXTURES

Landing fixtures have to be clearly visible and visibly attractive. They also have to harmonise with the landing decor. Hence the option of two versions with the LUMINA design - one where the fixtures are slightly in relief, the other where they lie flush. In either steel with a gold plated finish or solid stainless steel with a mirror or brushed finish, the fixtures are distinctive in design whilst retaining a flexible aesthetic.



Finishes for all the range

- ① Mirror gold plating
- ② Brushed stainless steel
- ③ Mirror stainless steel

ACTUA

Integrated in a slim housing to minimise building interface and facilitate installation.

Ⓐ 1 Combined Hall Position Indicator and Signal Hall Lantern

Left

- > Sophisticated high resolution LCD (Liquid Crystal Display) technology.

Right

- > Programmable and highly reliable ELD (Electro Luminescent Display) technology.

Signal Hall Lanterns:

Ⓐ 2 above door entrance

Ⓑ adjacent to door entrance

- > Long life LED (Light Emitting Diodes) component technology with blue illuminating arrows.
- > Gong signal with different tones for 'up' and 'down' directions.

Ⓒ Hall Buttons

- > Blue ring illumination.

Ⓓ Option

Keyswitches and Jewels

For special facilities.



Ⓐ 1 Left



Right



Ⓐ 2



Ⓑ



Ⓒ



Ⓓ



Top



Left



Right

A 1



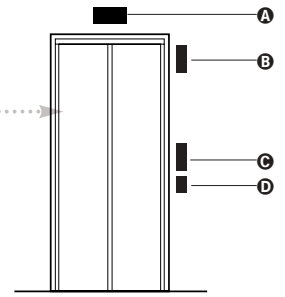
A 2



B



C



Car Direction Lantern

Located in the car column, the Car Direction Lantern is finished in satin chrome or mirror gold.

Blue LED illuminated arrows, 40mm in height.

CLASSICA

Flush with wall for an elegant appearance.

A 1 Combined Hall Position Indicator and Signal Hall Lantern

Top

> Programmable colour LCD (Liquid Crystal Display) with TFT technology.

Left

> Sophisticated high resolution LCD technology.

Right

> Programmable, highly reliable ELD (Electro Luminescent Display) technology.

Signal Hall Lanterns:

A 2 above door entrance

B adjacent to door entrance

> Long life LED (Light Emitting Diodes) component technology with blue illuminating arrows.

> Gong signal with different tones for 'up' and 'down' directions.

> Elliptical or rectangular.

C Hall Buttons

> Blue ring LED illumination.

> Elliptical, rectangular or round.

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Details of the product design are subject to change.