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Consult Ltd

Lift and escalator consultants

BS 8300 Design of accessible and  
inclusive built environment – an  
overview of the revised standard.



# BS 8300 Design of accessible and inclusive built environment

## What is BS 8300 about?



# BS 8300 Design of accessible and inclusive built environment

## **History:**

**BS 8300 was first published in 2001**

**The second edition was published in 2009**

**Amendments issued in 2010**

**The present edition of BS 8300 published in 2018.**

# BS 8300 Design of accessible and inclusive built environment

## Why is BS 8300 important?

**The only British Standard to cover all aspects of accessible and inclusive built environment design.**

# BS 8300 Design of accessible and inclusive built environment

**So, what's the same with the current edition compared with the previous?**

**Still has the reference  
BS 8300.**

**Still a Code of Practice  
not a British Standard**

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**So what's different about the current edition?**

**Spit into 2 parts:**

- **Part 1: External environment.**
- **Part 2: Buildings.**

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**So what's different about the current edition?**

**Addition of recommendations for inclusive design.**

**Updating of recommendations for assistive listening systems.**

**Revision of recommendations for shops and supermarkets.**

**Addition of recommendations for quiet spaces.**

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**Applicable to new developments but can be used as a guide to existing environments.**

**Other aspects of the external environment such as..... way-finding and information, horizontal and vertical movement, and public facilities.**



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## **Inclusive design:**

**Creates buildings, places and spaces that can be used easily, safely and with dignity by everybody.**

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## **Inclusive design:**

**Provides choice, is convenient and avoids unnecessary effort, separation or segregation.**

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## **Inclusive design:**

**Goes beyond meeting minimum standards or legislative requirements.**

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## Inclusive design:

**Goes beyond meeting minimum standards or legislative requirements.**

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## **Inclusive design:**

**Recognizes that everyone benefits from improved accessibility, including disabled people, older people and families with children, carers, and people who do not consider themselves to be disabled.**

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## **Inclusive design:**

**Recognizes that everyone benefits from improved accessibility, including disabled people, older people and families with children, carers, and people who do not consider themselves to be disabled.**

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## **Inclusive design:**

**An inclusive environment works better for everybody, whether a place is a home, school, office, factory, park, street, hospital, nursing, residential or care home, bus route or train station.**

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## **Inclusive design:**

**In short: all buildings except individual dwellings and residential buildings that are designed for persons with complex or multiple impairments.**



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**Accessible and inclusive design:**

**The principle of at least two senses used:**

# BS 8300 Design of accessible and inclusive built environment

**Accessible and inclusive design:**

**The principle of at least two senses used:**

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**At least two senses used:**

- **Audible**
- **Tactile**
- **Visual**
- **or a combination of these senses.**

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**Accessible and inclusive design:**

**Audible communication and sounds:**

- **Talking signs,**
- **Announcement systems,**

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**Accessible and inclusive design:**

**Audible communication and sounds:**

- Talking signs,
- Announcement systems,

**What about on lift landings – where lift is?**

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**Accessible and inclusive design:**

**Audible communication and sounds:**

- **Way-finding instructions based on indoor audio-based network navigation systems,**
- **Audio descriptive way-finding information,**

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**Accessible and inclusive design:**

**Audible communication and sounds:**

- Way-finding instructions based on indoor audio-based network navigation systems,
- Audio descriptive way-finding information,

**Audio information inside the lift?**

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**Accessible and inclusive design:**

**Visual communication:**

**Visual clarity in terms of colour and contrast,  
Good lighting that avoids excessive reflections,  
glare, and shadowing,  
Clarity of text and symbols,**



# BS 8300 Design of accessible and inclusive built environment

**Accessible and inclusive design:**

**Visual communication:**

Visual clarity in terms of colour and contrast,  
Good lighting that avoids excessive reflections,  
glare, and shadowing,  
Clarity of text and symbols,

**This should apply to lift cars!**

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**Accessible and inclusive design:**

**The use of personal navigation systems:**

- **Mapping and memory,**
- **Apps on personal mobile devices.**

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## **Mobility scooters:**

**Suitable provision should be made for storing and charging electric mobility scooters.**

# BS 8300 Design of accessible and inclusive built environment

## **Mobility scooters:**

Suitable provision should be made for storing and charging electric mobility scooters.

**If not, what if they are used inside the building?**

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## Inside the building:

### Corridor lighting:

- **Lighting in corridors should be even, diffused and without glare, reflections or shadows.**
- **A minimum of 100lux on corridors without natural light.**

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## Inside the building:

### Corridor lighting:

- Lighting in corridors should be even, diffused and without glare, reflections or shadows.
- A minimum of 100lux on corridors without natural light.

**This should apply to lift cars!**

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**Lift observations:**

**Only two sizes/configurations of lift car in BS8300.**

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## **BS 8300:**

- **1100 wide x 1400 deep**
- **2000 wide x 1400 deep**



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**BS EN 81-70 has seven!**

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## **BS EN 81-70:**

- **1000 wide x 1300 deep**
- **1100 wide x 1400 deep**
- **1100 wide x 2100 deep**
- **1600 wide x 1400 deep**
- **1400 wide x 1600 deep**
- **2000 wide x 1400 deep**
- **1400 wide x 2000 deep**

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## **Lift observations:**

**A lift door should contrast visually with the adjoining wall of the lift lobby.**

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## **Lift observations:**

**Lift doors should have an effective clear width of at least 800 mm, but at least 900 mm for all new buildings.**

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## **Lift observations:**

**All visual indicators and lift call buttons should be clearly visible from within the lift lobby...**

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## **Lift observations:**

**The use of visually and acoustically reflective wall surfaces should be minimized within the lift car...**

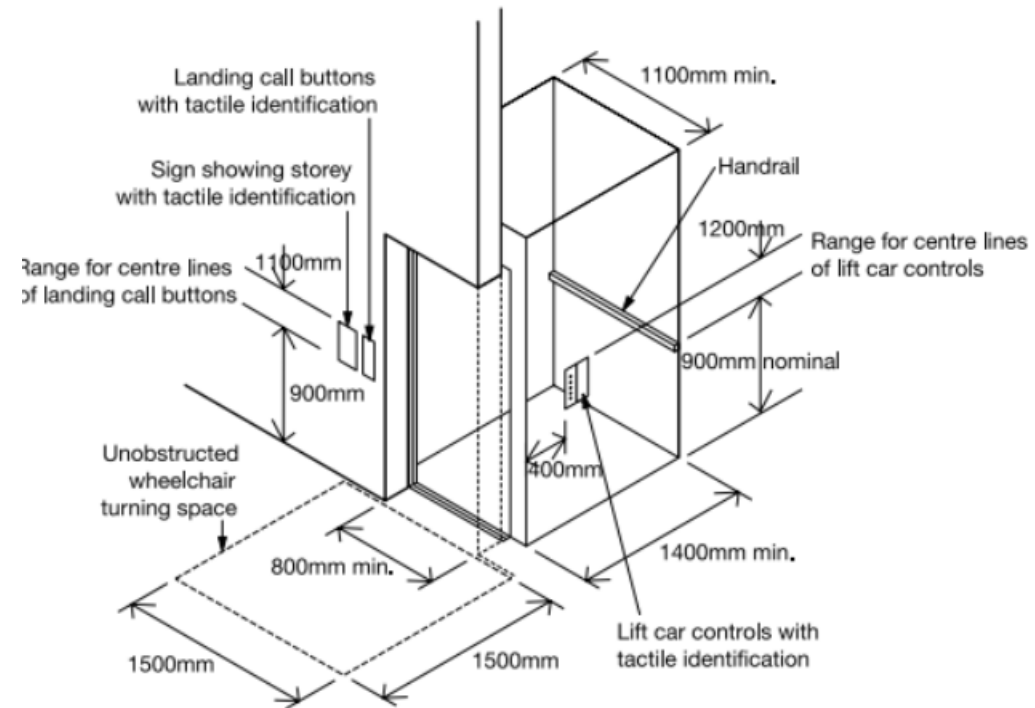
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## **Lift observations:**

**The addition of an emergency call device at low level will enable someone who has fallen to the floor to call for help.**

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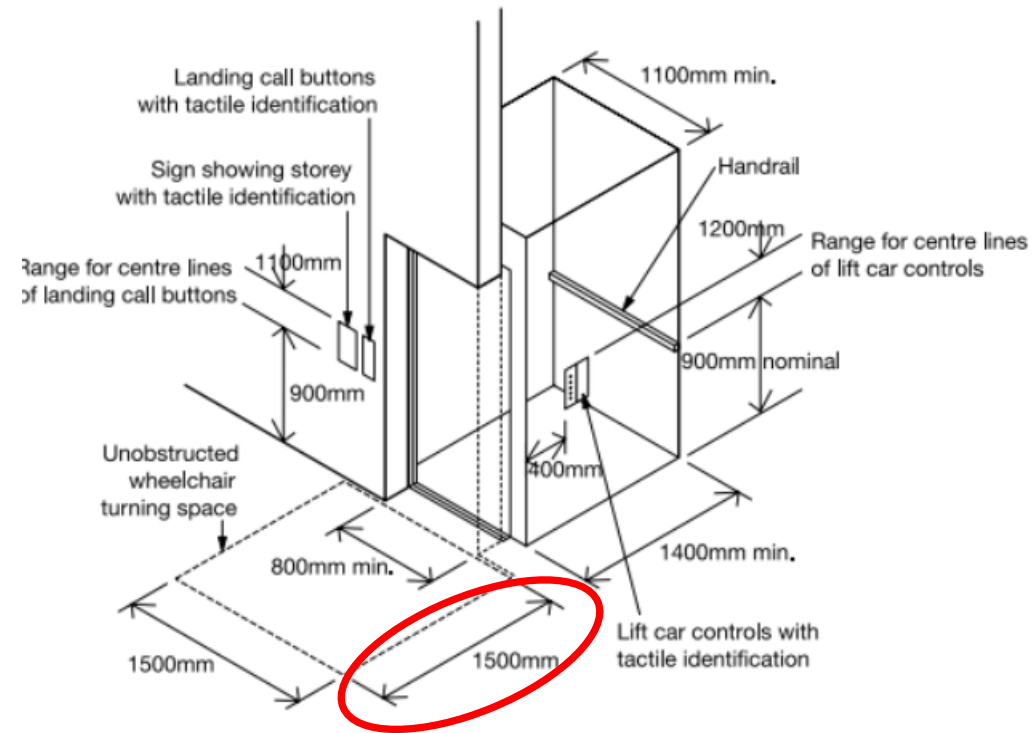
**Not BS 8300, but:  
Part M of The  
Building Regulation:**





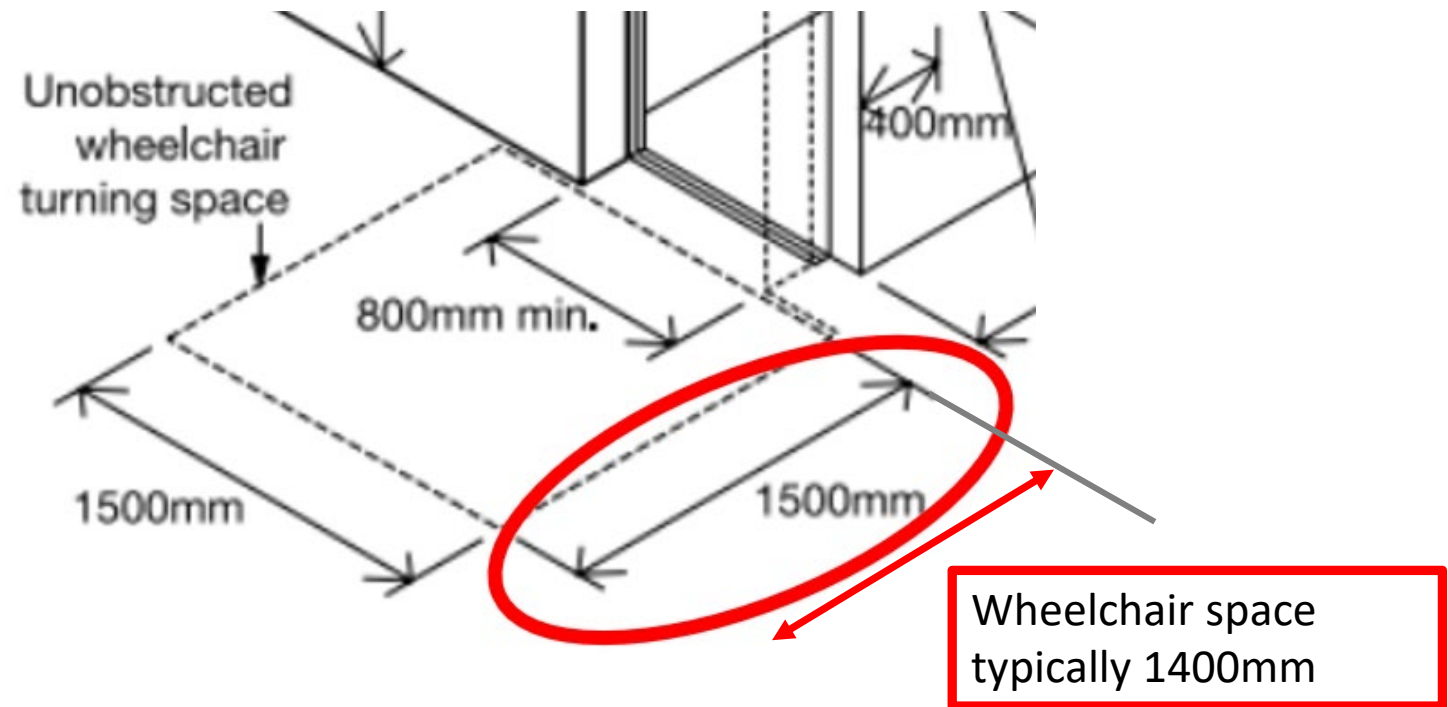
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# BS 8300 Design of accessible and inclusive built environment

## **Escalators observations:**

- **A conventional passenger lift, should be provided close by.**

# BS 8300 Design of accessible and inclusive built environment

## Escalators observations:

- A conventional passenger lift, should be provided close by.

**How close...**

**Direction signs, should they be audible?**

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## **Escalators observations:**

- **Handrails should contrast visually with the surroundings...**

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## Escalators observations:

- Handrails should contrast visually with the surroundings...

**Different colour handrails?**

**Architectural consideration?**

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## **Escalators observations:**

- **It is useful for there to be a visible means of indicating whether the handrail is moving or stationary.**

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## **Escalators observations:**

- **Identification of step nosings (same as stairs).**



# BS 8300 Design of accessible and inclusive built environment

## Escalators observations:

- Identification of step nosings (same as stairs).

**Confusion between stairs and escalators?**

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**Conflicts between BS 8300 and BS EN 81-70:  
Adopt the more onerous standard?**

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## **Conflicts between standards:**

**Adopt the more onerous standard?**

**Refer to accessibility adviser (if there is one)?**

# BS 8300 Design of accessible and inclusive built environment

## **Conflicts between standards:**

**Adopt the more onerous standard?**

**Refer to accessibility adviser (if there is one)?**

**Use the lift standard because it's a lift?**

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## **The future:**

- **British Standards are reviewed every 5 years.**
- **I understand the BS 8300 committee would like to revise the standard.**

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## **The future:**

**It is hoped to see in the next revision:**

- Being more aligned with BS EN 81-70.**
- Referencing future BS EN 81-76 Evacuation lifts**
- Removing the recommendation for the identification of nosings for escalators to be as for stairs.**

# **BS 8300 – Design of accessible and inclusive built environment**

**Thank you – Any questions or comments**

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