

Clear horizontal door openings shall be a minimum of 850 mm, to accommodate students with powered and non-powered mobility aids. This applies to single and multiple leaf doors.

Handrails with contrasting colors shall be positioned on each side inside the door when it is open, without interfering with the clear width of 850 mm of the door.

Audible warnings shall be provided to announce the opening and closing of vehicle doors, which will be especially helpful for students who are blind or have reduced vision. All students' benefit from this assistance.

### **13.3. Ramp**

In order to board the bus, a powered ramp shall be positioned at the door for the students with functional limitations and those using a mobility aid board the bus.

Power operated ramps (sliding or swing-out) shall have interlock devices (only operable when vehicle brakes are applied), emergency override, and supervised operation by the driver.

The driver from his position shall operate the powered ramp.

The driver shall be trained to operate the securement system and the ramp.

An audio warning signal shall be applied for deploying and retrieving the ramp.

Ramps shall have a maximum gradient of 8% measured from the sidewalk level to the ramp's intersection with the floor of the bus for unassisted boarding.

The ramp width shall be a minimum of 900 mm.

The ramp shall have guards on each side, 50 mm in height with high contrasting colors.

The payload shall be 350 kg.

The ramp surface shall have an anti-slip surface.

### **13.4. Onboard circulation**

#### **13.4.1. Aisle width**

The aisle width throughout the low floor sections of the bus shall be a minimum of 850 mm clear of protruding obstacles.