The Ray-On range includes four passive column loudspeakers of 0,2 to 2 meters in height, based on the patented DGRC principle. This innovation provides a homogeneous sound coverage and perfect speech intelligibility over the entire audience area.

The elegant design of the columns, with their finely perforated grid, yields optimum results in terms of integration and aesthetics. Being vertically mounted, and no tilted off the walls, the Ray-On columns remains extremely discrete.

Ray-On 160 is a 0.6m high single channel column loudspeaker that should be mounted vertically. Its acoustical performances are very close to DSP loudspeakers ones thanks to the DGRC principle. With a nominal range of 10m, it offers a high-quality sound for small spaces such as conference rooms, airports, train stations, churches, shopping malls, amusement parks, etc...

Like every column of the Ray-On range, Ray-On 60 can be switched between a low impedance mode and a 70V/100V mode and can be used indoor and outdoor.

Ray-On 60 is available in EN 54-24 certified version.

DGRC principle (Example for a 1m column)

Ray-On is based on the DGRC principle: the internal loudspeaker inclination associated with the calculated height of installation allows to cover the audience area.

Hence Ray-On has to be mounted vertically. The range of Ray-On depends both of the Ray-On model and the height of installation.
### Technical Specifications

**Acoustical data**
- Range +/- 3dB (nominal height) 6.5 m
- Range +/- 5dB (nominal height) 12 m
- Max SPL (pink noise) 91dB at 5m
- Continuous power 75W
- Frequency bandwidth (-10 dB) 120Hz-18kHz
- Horizontal opening angle (1 kHz) 180°
- Loudspeaker 6x 2.5"

**Mechanical data**
- Net weight 5.2 kg
- Shipping weight 5.7 kg
- Height 611 mm
- Width 128 mm
- Depth 117 mm
- Standard colors White RAL 9016, Black RAL 9005
- Material Aluminium body, treated steel Rustproof and UV proof

**Electrical data**
- Impedance 8Ω, 666/333/167Ω
- Max continuous power 75W, 15W/30W/60W
- Connector Ceramic terminal block, screw Loop-through
- Wire section from 0.5 to 2.5mm²

**Tuning and exploitation**
- Recommended equalisation
  - Speech: 5 param Cells
  - Music: 6 param Cells
- Modeling EASE/ CATT
- Environment IP54 from -25°C to 55°C indoor & outdoor
- Mounting Vertical
- Nominal mounting height 2.1m

**Frequency response**
Ray-On 60 frequency response, with recommended equalisation. Average from 2 to 10m axis.

The following graph shows the range of the column versus height of installation.