

# ADL-R831

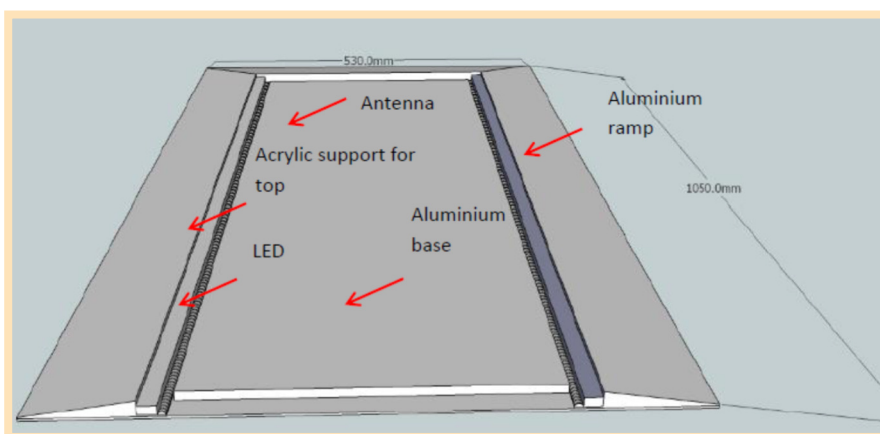
## Raised Floor Portal 3m

This raised and ramped floor portal is designed for a 3 metre opening and is primarily fabricated of aluminium section and is a mere 18mm thick. The portal has:

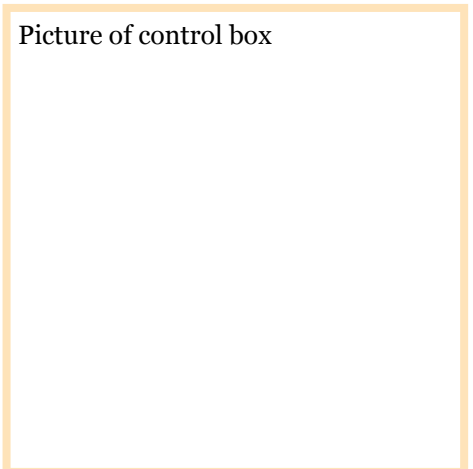
- ⇒ integrated antenna
- ⇒ enterprise class RFID reader
- ⇒ audible warning alarm
- ⇒ visual warning alarms

For deployment on either hard finished surfaces or on carpet the under side comes finished with a foam rubber non-slip covering.

The antenna pad can be finished in carpet tile, polished timber or ceramic tile and can be changed by the user as long as care is taken to only use materials containing no metal or metallic components to avoid disruption of the radio signals.



Picture of control box



## Technical Specifications

|                                     |   |
|-------------------------------------|---|
| Dimensions                          | 3160mm x 530mm x 18mm (antenna pad)   |
| Weight                              | TBA   |
| Supply Voltage                      | 100-250V AC (national plug type to be specified on ordering)                                    |
| Maximum static load                 | 200kg per linear metre  |
| Frequency                           | 902.75 MHz – 927.25 MHz   |
| Regulatory Compliance               | Emissions: FCC 15.247, Safety: UL 60950   |
| RFID Protocols                      | ISO-18000-6C (EPC Class 1/ Gen2)  |
| Tag Compatibility                   | Works with all Gen2-compliant (ISO-18000-6C) RFID chips   |
| Read Rate                           | Up to 190 tps (50 tps typical)  |
| Read Range                          | Approx. 3m  |
| RF Power Output                     | 31.6dBm (Radiated power limited by local regulations &/or site licences; typical: 4 watts EIRP) |
| Antenna Polarisation                | Circular  |
| Far-field Gain                      | 9dBic   |
| Far-field 3dB beamwidth             | 80° in XZ, 20° in YZ  |
| Typical VSWR across frequency range | < 1.4:1   |
| Audible alarm                       | Piezo mounted in control box  |
| Visual alarm                        | LED mounted in antenna pad  |
|                                     |   |
|                                     |   |
|                                     |   |

### A Leader in Cloud Based RFID Solutions

Adilam is a leading technology solution provider and implementation partner in the area of Radio Frequency Identification. Along with our global network of technology partners, our experienced and highly skilled team of Hardware and Software Engineers, provide a range of RFID hardware and software solutions. These solutions are all deployed on the world's first cloud based RFID application platform — Arcus.

Arcus is a rapid deployment platform managing the core elements of people, assets, inventory and movement and layered with custom built applications for each clients needs.

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