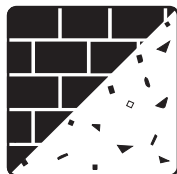# Lightcloud®

Site Evaluation for Lightcloud Wireless Controls

Know Before You Go

Assess Cell Signal

Determine Site Construction Materials

Create a Viable Mesh Network

Identify Existing Wireless Products

Determine Control Needs During Installation

Document the Visit

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Site Evaluation for Lightcloud® Wireless Controls

1. Assess Cell Signal
- Use the Octopus Signal Meter to test the cell signal onsite. *(contact DSM or RSM for availability)*
- If the Octopus is unavailable, contact Lightcloud Tech Support to check Cell Mapper, noting that it serves as a preliminary guide.
- If Cell Mapper shows promising results, verify with the Octopus onsite.
- If the local cell signal appears weak, discuss alternative options with the client, such as:
  Directional antenna
  Power booster
  Cell extender
- If cellular is not available, try these alternative options for control:
  Lightcloud Office Gateway
  Lightcloud Blue

2. Site Construction
- Identify site's construction materials *(e.g. concrete block, metal building, etc.).*

3. Create a Viable Mesh Network
- Ensure that control devices are not connected in a straight line; aim for a web-like configuration where each device can connect wirelessly to at least three others.
- Refer to the chart on lightcloud.com *(Installation and startup guide, page 16)* outlining indoor signal distances based on construction materials.
- For outdoor installations, maintain a maximum distance of 250 ft. line-of-sight from lighting poles and buildings, accounting for any obstructions *(e.g., trees, outbuildings)* that may necessitate additional controls.

4. Identify Existing Wireless Products
- Take note of any existing wireless systems in the building *(Wi-Fi, security, building management).*
- For Lightcloud Devices, maintain a 10' or greater distance to a Wi-Fi Router.

5. Immediate Control Needs During Installation
- Determine if there is a need for immediate controls during the Lightcloud installation. Will the contractor provide temporary lighting, or will they want to use Lightcloud-enabled fixtures/controls?
- Lights will remain on 24/7 until commissioned.

6. Documentation
- Document the site visit with photos, layout drawings *(if available)*, and notes from discussions with owners, contractors, or facility personnel regarding their control requirements. Share this information with your RAB Lightcloud or Design team.

For any questions before, during, or after your site visit,
please contact your **Lightcloud Support Team at 844-544-4825.**

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