Note: Please attach all programming information along with correct panel load schedules with this completed installation worksheet. Email completed forms to controls@jrclight.com

Site Contact: _____

PAGE _____ **OF** _____

Project Name: _____ **Today's Date:** _____

To ensure your project is installed properly and started up on time, we need you to evaluate the following. If you have any questions please call 1-801-972-3970 and our controls department will be glad to assist you.

System Readiness Review:

All Fresco products that were ordered have been received and installed? ☐ Yes ☐ No

All nLight components which will be connected to the Fresco station(s) have been received and installed? ☐ Yes ☐ No ☐ NA

    # nLight devices connected? _____

All dimmer/relay cabinets have been mounted, and all power modules are installed and wired? ☐ Yes ☐ No ☐ NA

All dimmer/relay cabinets clean and free of dust and debris? ☐ Yes ☐ No ☐ NA

All loads are connected to control modules or power packs? ☐ Yes ☐ No ☐ NA

All loads have been checked for short circuits? ☐ Yes ☐ No

All controlled lighting fixtures installed? ☐ Yes ☐ No

All lighting fixtures connected to DMX or nLight power packs are easily accessible? ☐ Yes ☐ No ☐ NA

All user interfaces mounted, wired, and grounded? ☐ Yes ☐ No

All factory issued installation documents been received? ☐ Yes ☐ No

Fresco System will be connected to the building Ethernet network? ☐ Yes ☐ No

    IT Personnel Contact Information (phone & email): _____

What cable type (manufacturer & model) has been used for the following network(s)?

    FCN Cable Type _____ **Approximate total length?** _____

    DMX Cable Type _____ **Approximate total length?** _____

All low voltage cables tested for shorts and crossed pairs? ☐ Yes ☐ No

All CAT5 cables (used for nLight) have been terminated with T568B pinout? ☐ Yes ☐ No ☐ NA

All CAT5 cables tested with a LAN cable tester? ☐ Yes ☐ No ☐ NA

Programming Information:

Programming information attached with this document? ☐ Yes ☐ No   **# of pages attached?** _____

Correct panel load schedules attached with this document? ☐ Yes ☐ No   **# of pages attached?** _____

Startup includes training for owner/operator personnel on the actual operation of the system.
Please ensure the availability of those desiring to be trained on the agreed upon date.

JRC FRESCO STARTUP Terms & Conditions

STARTUP consists of:

• One on-site visit of a predetermined maximum number of consecutive days by a certified JRC technician during normal business hours.

• Visit must be scheduled a minimum of two weeks in advance (Accompanying checklists and testing documentation is required prior to scheduling startup visit).

• Completed FRESCO startup documents are required prior to scheduling startup visit. Worksheet must be completed by electrical contractor.

• Accuracy of worksheet will be verified by startup technician, who will not be held responsible for time spent troubleshooting installation errors by electrical contractor. JRC reserves the right to back charge the contractor at the current rate per day plus expenses for additional days spent on site troubleshooting installation errors (including, but not limited to mis-wired, or shorted terminations). If a second site visit is required, full initial daily cost will apply.

• JRC does not provide PC's for the end user unless specifically noted in the BOM. (Note: PC's are not required on most systems and will only operate with very specific systems generally covered in the lighting control specification) If the FRESCO system installed on the particular project requires a PC and it is provided by someone other than JRC, all liability for that PC and its operation will be the responsibility of the party that provided it.

• If static IP addresses are required for remote access and networking, they must be provided to prior to arrival on site.

• Failure to complete any of these steps may result in postponement of site visit, or additional startup days to be billed. If a second site visit is required, full initial daily cost will apply.

• Visit includes a complete system function test as well as basic system operation and maintenance instruction.

• Depending on network design, customer requests, and time limitations, tasks performed by startup Technician may include the following:
  - Verify accuracy of the FRESCO startup checklist
  - Verify discovery of all network devices
  - Set-up user schedules
  - Edit default operation
  - Perform any necessary firmware updates
  - Perform system backup
  - Training of facility management personnel on basic operation. (Additional training time or follow up training visits can be purchased separately). Prior to arrival, a list of all attendees for training must be provided to startup Technician.
• Refunds for unused days not given if startup tasks requires less than maximum number of days quoted.

TRAINING consists of (unless otherwise defined by the specifier):

• One half (1/2) day of follow up instruction by a certified JRC technician during normal business hours.

• Visits must be scheduled two weeks in advance

• Prior to arrival, a list all attendees for training must be provided to startup Technician.