



SECTION 26 50 00 Lighting

PART 1 GENERAL

1.1 SUMMARY

- A. Section Includes
 - 1. The light is the model scheduled with the capacities indicated. The light fixture shall be furnished with mounting hardware, a socket adapter, a remote control, and SenseME™ Technology as manufactured by Haiku® Home.
- B. Summary of Work
 - 1. Installation of the light, wireless network, miscellaneous or structural metal work (if required), field electrical wiring, cable, conduit, fuses and disconnect switches, other than those addressed in the installation scope of work, shall be provided by others.

1.2 RELATED SECTIONS

- A. 23 00 00 Heating, Ventilating, and Air Conditioning (HVAC)
- B. 26 00 00 Electrical

1.3 REFERENCES

- A. Canadian Standards Association (CSA)
- B. International Organization for Standardization (ISO)
- C. National Electric Code (NEC)
- D. Underwriters Laboratory (UL)

1.4 SUBMITTALS

- A. Shop Drawings: Drawings detailing product dimensions, weight, and attachment methods
- B. Part 2 Product Data: Specification sheets on the light, specifying electrical and installation requirements, features and benefits, and controller information
- C. Revit Files: Files provided for architectural design
- D. Part 2 Product Documentation: The manufacturer shall furnish a copy of all installation, operation, and maintenance instructions for the light.
- E. Schedule

1.5 QUALITY ASSURANCE

- A. Certifications
 - 1. Safety
 - a. The light shall be ETL-certified and built pursuant to the following standards.
 - 1) Canada
 - a) CSA C22.2 No. 250.0. Luminaires.
 - b) CSA C22.2 No. 250.13. Light Emitting Diode (LED) Equipment for Lighting Applications.
 - 2) United States
 - a) UL 1598. Luminaires.
 - b) UL 8750. Standard for Light Emitting Diode (LED) Equipment for Use in Lighting Products.
- B. Manufacturer Qualifications
 - 1. The light and any accessories shall be supplied by Haiku Home that has a minimum of ten (10) years of product experience.
 - 2. ISO 9001-certified

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Deliver product in original, undamaged packaging with identification labels intact. The light shall be new, free from defects, and factory tested.



- B. The light and its components must be stored in a safe, dry location until installation.

1.7 WARRANTY

- A. The manufacturer shall replace any products or components defective in material or workmanship, free of charge to the customer (including transportation charges within the USA, F.O.B. Lexington, KY), pursuant to the complete terms and conditions of the Haiku Home Non-Prorated Warranty in accordance to the following schedule:

Item	Period of Coverage
Light fixture	5 years

Labor to repair the defect will be provided free of charge at the Haiku Home service center for defects arising during the Warranty Period.

PART 2 PRODUCT

2.1 MANUFACTURER

- A. Haiku Home, PO Box 11307, Lexington, Kentucky 40575.
Phone (877) 244-3267. Fax (859) 233-0139. Website: www.haikuhome.com

2.2 HAIKU® LIGHT SERIES

- A. Complete Unit
- Regulatory Requirements: The light shall be ETL-certified and built pursuant to relevant safety standards as described above.
 - Quality: The light shall display good workmanship in all aspects of its construction.
 - Finishes: Light fixture finishes may be selected by the architect or owner as described in 2.2.C, "Finishes."
 - Dimensions: The light shall have a diameter of 9.7 in. (246 mm) and a total height of 2.7 in. (69 mm). When mounted flush to the ceiling, the light shall have a height of 1.8 in. (46 mm).
 - Optional Accessories
 - A wall-mounted controller (in addition to the standard remote control) may be selected at the time of order.
- B. Mounting System
- Outlet Box
 - The light shall be equipped with a mounting plate and hardware for mounting the fixture directly to an outlet box.
 - Recessed Housing
 - The light shall be equipped with a mounting plate, two torsion springs, hardware, and a socket adapter for mounting the fixture to 5" or 6" (127 mm or 152 mm) recessed lighting housing.
- C. Finishes
- The light shall be available in the following finishes:
 - The Premier Model shall be available in a polished aluminum, oil-rubbed bronze, satin nickel, black, or white finish.
 - The Select Model shall be available in a black or white finish.
- D. Technical Specifications
- The light shall be rated for 110–240 VAC, single-phase.
 - The light shall draw 14–18 watts and 0.12–0.16 amps.
 - The light shall produce 1200 lumens and shall have dimming capabilities from 0–100%.
 - The Premier Model shall have the ability to shift color temperature from 2200–5000 K. The Select Model shall have a color temperature of 2700 K.
- E. SenseME™ Technology
- The light shall be equipped with SenseME Technology for smart automation, and shall be able to wirelessly connect to local Ethernet networks or host a network. The light's Wi-Fi capability shall permit over-the-air firmware updates.



2. SenseME Technology control features shall be managed by users via the Haiku Home app. The Haiku Home app shall be supported by Android™ and iOS® mobile digital devices.
 3. Haiku Home App Control Modes
 - a. Scheduling. Sets precise schedules for light control modes.
 - b. Motion Sensor. The light turns off or on to the last brightness and color temperature when a person leaves or enters the room.
 - c. Rooms. Enables users to group multiple lights in the same space for synchronized operation. Users shall be able to use the Haiku Home app or the optional Haiku Wall Control to automate light functions or adjust settings manually.
 - d. Manual Light Control. Users shall be able to use the Haiku Home app or the optional Haiku Wall Control to manually adjust the On/Off and brightness settings. For the Premier Model, users shall also be able to use the app or wall control to manually adjust the color temperature setting.
- F. Remote Control
1. The light shall be equipped with a compact IR remote control that allows intuitive operation of the light.
 2. The light shall be turned on or off by pressing the Light On/Off button on the remote.
 3. Light brightness shall be increased or decreased by pressing the Up or Down Light button on the remote.
 4. The motion sensor shall be enabled or disabled by pressing the Motion button on the remote. The light shall flash twice to indicate that the motion sensor is enabled and shall flash once to indicate that the motion sensor is disabled.
 5. For the Premier Model, the color temperature shall be increased or decreased by pressing the Up or Down Color button on the remote.
 6. The remote shall be 1.2" wide x 3.4" tall x 0.2" thick (30 mm wide x 86 mm tall x 5 mm thick), and shall operate on a CR 2025 3 V lithium battery (included).
- G. Haiku Wall Control (Optional)
1. The light shall be equipped with a wireless Haiku Wall Control in addition to the standard remote control, as specified by the architect or owner.
 2. The Haiku Wall Control shall include temperature, humidity, and motion sensors.
 3. The user shall be able to use the Haiku Home app to group the Haiku Wall Control with one or more lights for simultaneous control of light brightness, color temperature, and app features.
 4. The user shall be able to use the Haiku Home app to group fans, lights, and wall controls for simultaneous control of all devices in a room.

PART 3 EXECUTION

3.1 PREPARATION

- A. The installation location must have an appropriate ceiling-mounted outlet box or a 5" or 6" (127 mm or 152 mm) recessed lighting housing. If there is not an appropriate outlet box or recessed housing already installed at the location, one must be installed on a ceiling joist or beam and be properly wired. Additional mounting options may be available. Consult the installation guide for additional details.
- B. Check the installation location for proper circuit requirements.

3.2 INSTALLATION

- A. Install the light according to the manufacturer's installation guide, which includes acceptable mounting methods.
- B. Required Distances
 1. The light must be within a 30 ft (9.1 m) radius of where the mobile digital device will be used for control. (Line-of-sight obstructions may create a smaller maximum range.)
 2. The light shall not be located where it may come into direct contact with water. Consult the installation guide for additional details.
- C. The light shall be suitable for indoor and covered outdoor use.



D. Install and set up the Haiku Home app according to the manufacturer's Owner's Manual.

END OF SECTION