PRINT INSTRUCTIONS:
REFERENCE SHEET FOR VS-ODL100-WHT P/N 77-600054-001 REV 1.0 |
INK: BLACK | **MATERIAL:** 20 LB MEAD BOND | **SIZE:** 8.50" X 11.00" SCALE 1:1 |
FOLDS: BI-FOLD VERTICAL, BI-FOLD HORIZONTAL (TO FIT IN BOX)

Vivint Spotlight Pro

(VS-ODL100-WHT)

Quick Reference (User Manual — Installation & Operation)

4931 N 300 W Provo, UT 84604

The Vivint Spotlight Pro is a state-of-the-art outdoor lighting fixture that is used with the Vivint Outdoor Camera Pro (Gen 2). The combined spotlight and outdoor camera can be added to a Vivint Smart Home system in order to provide enhanced home and perimeter security. The Spotlight Pro replaces the standard backplate for attaching the outdoor camera, while adding customizable 9-zone LED spotlight functionality. With the spotlight camera, the homeowner can schedule times to either deter threats (people, cars, animals, etc.) or provide everyday outdoor lighting. (NOTE: The Spotlight Pro is suitable for installation in damp locations.)

Key features of the Spotlight Pro include: Deter Mode with spotlight tracking and escalated lighting behavior such as strobe, wave, full brightness, plus a deterrence tone from the camera speaker; Non-Deter Mode (i.e., everyday outdoor lighting) with full ambient flood lighting for when a person is detected. The user can control these behaviors, create schedules and custom rules, and adjust various settings at any time via the app or at the panel.

The spotlight and camera uses a reliable hard-wired connection (for fast smooth video) to the Vivint system and the home's router with a Wi-Fi bridge, that supplies both power and network connectivity.

IMPORTANT: The Spotlight Pro (M/N: *ML01*) may only be installed with the Outdoor Camera Pro (Gen2) (M/N: *CM05*). It is suitable for operation in ambient not exceeding 40°C.

This document includes a product description, installation instructions (new install only), basic operation / user functionality overview, as well as technical specifications and regulatory compliance notices and declarations.

Installation Instructions —

Installing the Vivint Spotlight Pro is a multi-step procedure but it is straightforward and can be quickly learned and mastered. The Smart Home Pro should carefully read all of these steps (and tips below) in order to ensure a successful installation and optimal performance. The steps below describe a new installation of the Spotlight Pro with the Outdoor Camera Pro (Gen 2). For additional information, including details about the Wi-Fi bridge as well as replacing an existing camera, refer to the *Field Service Smart Home Pros* website.

To install the wiring, spotlight fixture, and outdoor camera, follow these steps:

1. **Identify the best location to install the spotlight and camera**, consulting with the homeowner (see "Installation Tips"). Also, locate the indoor outlet where you will run the wire and plug in the Wi-Fi bridge. **IMPORTANT:** The camera MUST be installed on a vertical wall at least 10' above the ground.
2. **Run Ethernet Cat5e wire from the spotlight camera to the outlet**, leaving excess wire at both ends. **IMPORTANT:** The Cat5e wire must be "UL Listed" cable.
3. At the outlet location (where the Wi-Fi bridge will be plugged in), to terminate the Cat5e wire:
   a) Drill a hole near the outlet, and pull the wire down through the wall. **IMPORTANT:** Make sure to drill and pull wire *outside* of the outlet box, even if it's close enough to be covered by the outlet cover plate.
   b) Terminate the wire with an RJ45 jack according to the T-568B order. Strip 1" of the jacket to expose the 4 wire pairs, use the pull string to remove 2" more and cut off the jacket and string, trim the corners, untwist the pairs, line up the wires in the T-568B order (see **Figure-1** below), straighten the wires and remove any gaps, cut the wires to ¾" with a straight cut, and slide the RJ45 jack down over the 8 wires.
   c) **IMPORTANT:** Make sure the orientation is correct; push the wires completely under the pins; the jacket must be pushed under the strain-relief; securely crimp the RJ45 with the 8-pin tool.
4. At the spotlight and camera mounting location, to terminate that end of the Cat5e wire:
   a) Use the spotlight backplate to mark the location of the wiring hole, drill the hole in the home's exterior surface, and then run the Cat5e wire through both the wall and the rubber seal on the backplate.
   b) Terminate the wire on the inside of the backplate. Strip 1.25-1.5" of the jacket to expose the 4 wire pairs, untwist each pair and arrange them over the terminal that corresponds with their color (see **Figure-2** below), use the custom punch-down tool to connect each wire to its matching terminal.
   c) **IMPORTANT:** Do not strip wires; do not punch at an angle; inspect each terminal to ensure the wire is completely inserted; trim off excess wire; make sure the rubber seal is tight for waterproofing.
5. **Mount the spotlight and camera**, first attaching the spotlight backplate to the exterior surface with four screws (use either #6 1" stainless steel self-drilling screws, or #6 1.25" galvanized deck screws) and anchors. (NOTE: You should use a spacer if you're unable to place the backplate directly over the wiring hole.)
6. Next attach the camera to the backplate, using the T5 screw (9 mm) as a hinge rotating the camera until it firmly snaps into place. The pins will establish an electrical connection, supplying power *once* the Wi-Fi bridge is connected. **IMPORTANT:** Make sure the wires are not powered on *before* attaching the camera.
7. Adjust the camera to the desired angle/FOV (using the ball cap slot), and hand-tighten the ball-joint ring.
8. **Add the camera to the system**, go to "Adding the Spotlight and Camera to the System" to complete setup.

Figure-1: RJ45 Wires in T-568B Order —

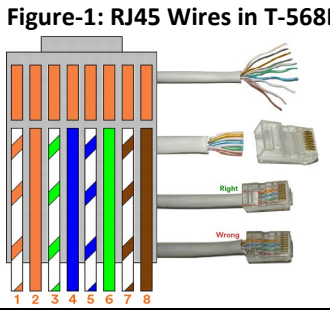
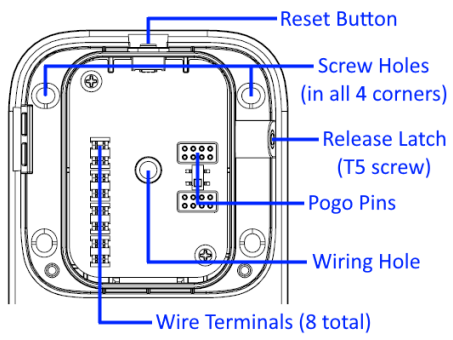
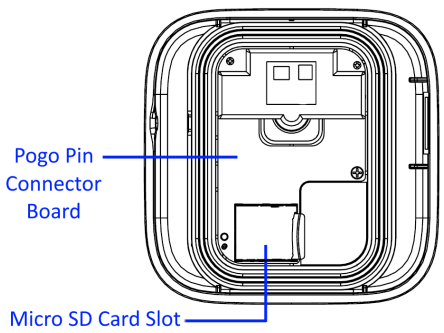


Figure-2: Wire Terminal Colors —

Spotlight Pro Backplate (top zoom in) —



Outdoor Camera Base (inside) —



INSTALLATION TIPS / BEST PRACTICES

- Adhere to the height restrictions — 10' min. to 11' max.
- Ensure the wire is undamaged and hidden from view.
- Avoid metal outlet covers that can pinch wires inside the cable and cause failures over time.
- If you are mounting on an uneven surface (brick, etc.), make sure the backplate does not get twisted as this can potentially impact the pogo pin/pad connections.
- Use the optional spacer piece if an external wire run is necessary (e.g., from an eave/soffit to the camera).
- Use the optional wedge piece if installing higher than is typical and it's needed to gain the desired angle/FOV.
- To detach the camera, remove the T5 screw, insert a narrow pointed tool into the release latch opening, and separate the camera from the backplate.

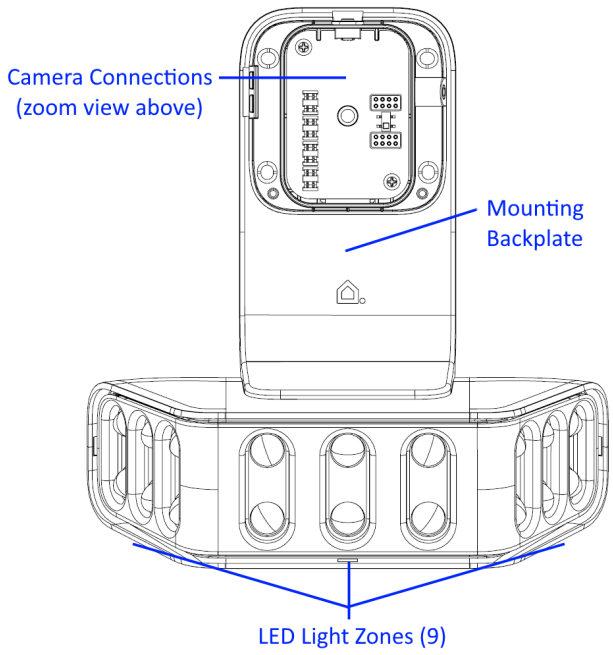
Adding the Spotlight and Camera to the System —

Now that the Ethernet wiring is prepared (to supply both power and network connectivity through the Wi-Fi bridge), and the spotlight and camera are installed, the next steps are to power up the spotlight camera and add it to the Vivint system via the Installer Toolbox, at the control panel, by using the method below.

To add the spotlight and camera to the system, follow these steps:

1. If the Vivint control panel is not already up and running, apply 100-240 VAC power to the panel and wait for it to boot up completely.
2. Verify the panel is connected to the local network. To do this, at the panel tap on the menu icon (…) on the touchscreen > tap **Software version** > enter the PIN code **2203** to access the Installer Toolbox > tap **Networking** > **Panel connection to the local network** > **Wired** > and then tap **Back** to return to the Networking page and verify the status is "Connected".
3. Now you can apply power to the spotlight camera by first plugging the Wi-Fi bridge into the outlet, and then plugging the Ethernet RJ45 jack coming from the camera into the Wi-Fi bridge. (NOTE: The Wi-Fi bridge adapter must be "UL Listed".)
4. Add the spotlight camera to the system. To do this, at the panel access the Installer Toolbox > tap **Smart Home devices** > **Cameras** > and then tap **Add camera**. (NOTE: This procedure describes how to add the camera via the Wi-Fi bridge using the WPS Pro option; the panel also provides two other methods: Wi-Fi Connect and NFC. Refer to the *FSP* site for details.)
5. Tap **WPS Pro** > and then tap **Add**. When the panel shows "Listening for device" go to the Wi-Fi bridge and press and hold the **WPS** button for 3-5 seconds. The Internet LED will begin blinking red.
6. The panel will show that the device is "Found" and being its configuration. You can tap **Camera details** to monitor configuration progress. Wait until the camera status shows "Online" before finishing the camera setup. **IMPORTANT:** This process should NOT be interrupted and could take several minutes to load firmware and configure settings.
7. Once the spotlight camera is successfully connected and online, you can enter a descriptive name to uniquely identify the device.
8. At the panel Home screen, tap the camera icon in the navigation bar at the bottom of the touchscreen, and then tap the thumbnail view for the camera you just added to verify that you can view live video at the panel screen.
9. The customer can now use their Vivint app (and the panel for certain features) to view live video, and to access, control, and configure settings for the spotlight camera. See "Operation Overview" for an introduction to specific features and direction to additional Help resources.

Spotlight Pro (front view) —



Troubleshooting Tips

If the spotlight camera is offline, attempt these troubleshooting steps in order to resolve:

- ✓ Power cycle or reboot the Wi-Fi bridge
- ✓ Factory reset the Wi-Fi bridge
- ✓ Power cycle the spotlight camera
- ✓ Factory reset the spotlight camera (press the button for 5 seconds)
- ✓ Ensure wire termination points are clean and secure
- ✓ Ensure wire terminations are following the T-568B order (see **Figure 1** and **Figure 2**)
- ✓ Ensure punchdown terminations are fully seated

Spotlight Pro with Outdoor Camera Pro (assembled) —

Operation Overview / User Functionality

Once the spotlight camera is up and running, the customer can use the Vivint app for onboarding and initial configuration, as well as perform the following functions via the app (and the panel for certain features). For detailed step-by-step instructions, refer the customer to the online Help resources (articles and video tutorials) at the *Vivint Support* site.

SPOTLIGHT SPECIFIC FEATURES

- Enable, configure, and schedule Deter Mode (detects and tracks intruders using the camera's analytics software; uses escalated light behaviors such as strobe, wave, full brightness)
- Configure each of the 9 LED light zones independently
- Enable, configure, and schedule Non-Deter Mode (everyday outdoor ambient lighting behavior when a person is detected)
- Turn the light on and off, dim the light (0% - 100%), manually trigger escalated Deter Mode at any time during nighttime hours, integrate light behaviors with custom rules and system events (door open/close, doorbell ring, etc.)
- Enable neighbor friendly lighting (permanently disable any LED light zones that may annoy the neighbors)

CAMERA SPECIFIC FEATURES

- View a live video feed
- View recorded video clips (enable recording options)
- Enable 24/7 DVR recording
- Receive person-triggered (event) notifications
- Enable Smart Deter detection (with the LED light ring and selected chime tone)
- Engage in two-way talk with someone at the camera
- Enable privacy mode

Additionally, at the panel **Devices > Cameras** settings page, the user can also perform these management and configuration tasks:

- Adjust person detection and video settings
- Rename the spotlight camera
- Reboot and/or delete the spotlight camera device

Technical / Hardware Specifications

Vivint Part Number (P/N)	VS-ODL100-WHT
Model Number (M/N)	ML01
Color	White
Weight	600 g
Dimensions	174.7 x 164.1 x 76 mm (6.9 x 6.5 x 3 inches)
LEDs	9 LED light zones with 2 LEDs/Zone (White, CCT:5000K, CRI:>80; +7 year life)
Light FOV	180° illumination coverage field of view
Connectivity	4PPoE (Power over Ethernet) network connection (2.4/5.0GHz via the Wi-Fi bridge)
Power Input	4PPoE (Power over Ethernet) power supply (specification: 802.3bt,Type 3, Class 5)
Power Usage	25W max. (spotlight will be the negotiator of power with the camera via PD controller capable of 40W; camera requires 15W)
Backup Battery	None
Environmental Temperature	-4°F to 104°F (-20°C to 40°C)
IP Rating / Weatherproofing	IP65 / UV Protection
Regulatory Certifications	FCC: Part 15, Subpart B, Class B (USA) ISED Canada: ICES-003, Class B (Canada) UL Listed (USA & Canada)

⚠ Warning: California Proposition 65

This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm.
For more information, go to: https://www.P65Warnings.ca.gov

FCC and ISED Canada Regulatory Compliance Declarations*

CAUTION! Unauthorized changes or modifications could void the user's authority to operate the equipment.

This device has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of FCC Rules and Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and
(2) This device must accept any interference received, including interference that may cause undesired operation of the device.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/television technician for help.

PRUDENCE! Changements ou modifications pourraient annuler le droit de l'utilisateur à utiliser l'équipement non autorisées.

Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par Industrie Canada. Dans le but de réduire les risques de brouillage radioélectrique à l'intention des autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d'une communication satisfaisante.
Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

(1) l'appareil ne doit pas produire de brouillage, et
(2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Ces limites sont conçues pour fournir une protection raisonnable contre les interférences nuisibles dans une installation résidentielle. Cet équipement génère, utilise et peut émettre une énergie de radiofréquence et, s'il n'est pas installé et utilisé conformément aux instructions, il peut causer des interférences nuisibles aux communications radio. Cependant, il n'existe aucune garantie que des interférences no se produiront pas dans une installation particulière. Si cet équipement provoque des interférences nuisibles à la réception radio ou télévision, ce qui peut être déterminé en mettant l'équipement hors et sous tension, l'utilisateur est encouragé à essayer de corriger l'interférence par une ou plusieurs des mesures suivantes:

- Réorienter ou déplacer l'antenne de réception.
- Augmentez la distance entre l'équipement et le récepteur.
- Connecter l'équipement à une sortie sur un circuit différent de celui sur lequel le récepteur est branché.
- Consulter le revendeur ou un technicien radio / télévision expérimenté pour de l'aide.

*For complete regulatory compliance information, go to: vivint.com/legal/fcc

 | www.vivint.com | 1-800-216-5232 | Device M/N: ML01 | Doc P/N: 77-600054-001 Rev. 1.0