

Absolutely — **yes, please send the photo.**

A clear picture of:

✓ The **wiring harness coming out of the sill plate**
AND/OR

✓ The **connector end** (showing the wires and their colors)

...will let me identify:

- Which wire is **+12V**
- Which is **ground**
- Which wires are the **RGB/PWM channels**
- How to correctly tie them into your 2025 Mustang's ambient lighting circuit so they **change colors with MyColor**


Go ahead and upload the photo whenever you're ready.

You said:



ChatGPT said:

Perfect — **this photo tells us exactly what type of sill plates you have**, and the answer is very clear:

 **These are NOT RGB / color-changing sill plates.**

These are **single-color, two-channel LED sill plates** from a 2023 Mustang.

Let me explain what the photo shows:

 **What the connector reveals**

Your harness has:

✓ **4 physical wires,**

but all **4 wires are black**, and they are bundled into a **2-pin Ford plug** (black housing with a red locking tab).

On Ford LED sill plates, this configuration =

White-only single-color illumination

NOT MyColor RGB.

This matters because:

- **RGB / MyColor sill plates always have at least 3 or 4 different-colored wires** (Red, Green, Blue, Black).
- **White-only sill plates use 2 power wires** (sometimes split into 4 conductors for mechanical strength or routing).
- The connector in your photo is the **standard 2-pin S550 courtesy-illumination connector**.

So even though you saw four wires, they are:

2 power wires + 2 grounds

→ paired for reliability, NOT for color channels.

What this means for functionality

These sill plates will:

- ✓ Light up white
- ✓ Turn on/off with a 12V feed
- ✗ Will NOT change colors
- ✗ Cannot follow MyColor or ambient lighting

They are designed to turn on with **courtesy lighting** (door opens → lights on).

Why they won't light on your 2025 Mustang

You plugged them into the factory sill connector on your S650, but:

➤ **The sill connector on 301A cars is dead (no 12V output).**

It is present physically, but the BCM does not energize it unless the car was factory-equipped with illuminated sills.

So nothing you plug in will ever light up from that connector.



How to make your sill plates illuminate on your 2025 GT

Since these are **2-wire white LEDs**, powering them is EASY:

→ **You only need ONE 12V source and ONE ground.**

Here are the two clean options:

✓ OPTION A — Wire to Courtesy Lights (OEM-like behavior)

They turn on:

- When the door opens
- Fade out with the dome lights

Tap into:

- **Purple/Blue** = courtesy +12V
- **Black** = chassis ground

You can find this wiring:

- In the footwell light harness
- In the kick panel
- In the dome light feed

Then simply connect:

Sill Plate Black Wire Pair → Ground
Sill Plate Black Wire Pair → +12V Courtesy
(The two identical wires are doubled for strength — treat them as one.)

✓ **OPTION B — Wire to Ambient Lighting (constant glow)**

Since these are NOT RGB, they will NOT follow MyColor, but:

- You *can* make them turn on anytime ambient lighting is on.

Tap into the **door ambient lighting +12V** feed:

- Typically **Violet/Green** or **Violet/Yellow** on 2024–25 Mustangs.

Then:

Sill Plate +12V → Ambient + feed
Sill Plate Ground → Ambient Ground
They will glow soft white whenever ambient lighting is active.

Want the exact wire colors & splice locations for your 2025?

I can give you:

- Exact wire colors
- Harness location
- Pin numbers
- A recommended splice method (Posi-tap / solder / T-tap)
- Best grounding points

Just tell me which behavior you want:

? Do you want your sill plates to:

- A) Turn on with the doors (courtesy lights),
or
B) Come on with the ambient lighting?

Pick A or B, and I'll give you the exact wiring plan for your 2025 Mustang GT.

You said:

A

ChatGPT said:

Great — **Option A (Courtesy Light Behavior)** is the best and most OEM-like way to power your sill plates on a 2024–2025 S650 Mustang GT.

This makes your sill plates turn on:

- ✓ When you open the door
- ✓ When the car unlocks
- ✓ When the dome lights fade
- ✓ With remote unlock
- ✓ With approach lighting

...and fade out exactly like factory-installed illuminated sills.

Below is the **exact wiring plan** for your 2025 GT 301A.

WHERE TO TAP POWER (2024–2025 Mustang GT)

The courtesy lighting feed is easiest to access in these locations:

Location 1 — Front Footwell Light Connector (Recommended)

Both the driver and passenger footwells have LED lights with the courtesy circuit.

Wire colors in the footwell light harness:

- **Purple/Blue = Courtesy +12V**
- **Black = Ground**

These wires behave exactly like the door/dome lights.

WIRING YOUR SILL PLATES (Simple 2-wire LED setup)

From your sill plates you have:

- **2 identical black wires = +12V (paired)**
- **2 identical black wires = Ground (paired)**

Ford often uses identical-colored wires but pairs them internally.

Treat the two wires coming from each “side” of the LED module as a **single power or ground line**.

Connect like this:

SILL PLATE +12V → Purple/Blue (Courtesy +12V)

SILL PLATE Ground → Black (Ground)

That's it — no coding, no resistors, no trickery.

Where to physically make the connections

For Driver Side:

1. Remove the driver footwell panel
2. Locate the **footwell lamp connector**
3. Strip or tap into:
 - **Purple/Blue** = +12V courtesy
 - **Black** = Ground
4. Route your sill wires neatly under the sill trim
5. Splice or use Posi-Taps/T-Taps

For Passenger Side:

Same process — each side has its own courtesy feed.

Recommended Splice Method

Posi-Taps (best), or solder/heat-shrink.

Avoid cheap plastic T-taps — they fail over time.

✓ **How the sill plates will behave once wired**

- Glow bright when you open the door
- Fade out with dome/fade-out sequence
- Turn on when you unlock the car
- Turn off when you lock it
- No impact on BCM or other lighting

This is the exact behavior Ford's OEM accessory sill kit uses.

If you want diagrams or exact harness photos...

Tell me:

- **Driver side** or **Passenger side**
- Whether you want a **pinout** or **location photo**

I can provide a precise step-by-step install based on whichever side you're wiring first.

Would you like a wiring **diagram**, a **step-by-step install guide**, or both?

You said:

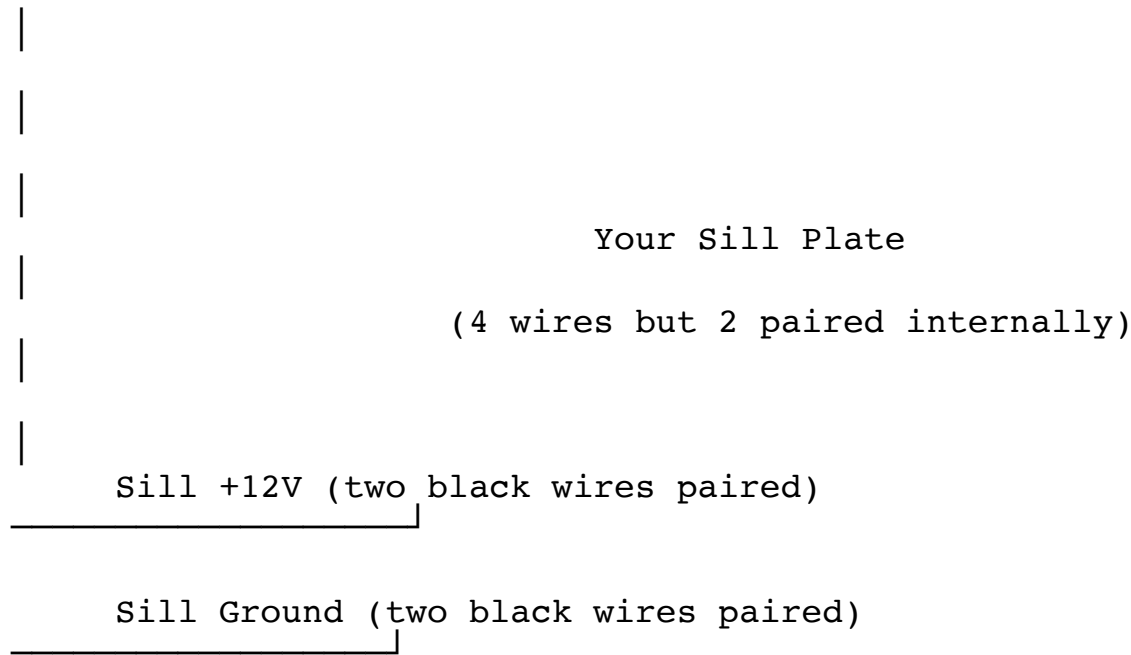
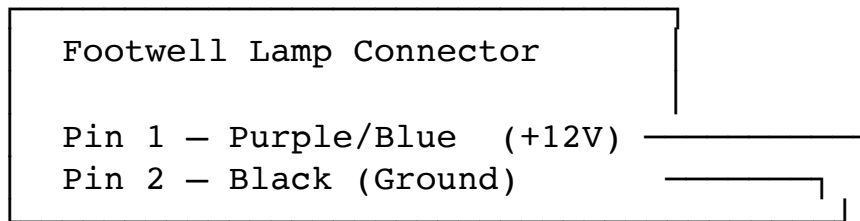
both

ChatGPT said:

Perfect — here is **both the diagram and a full step-by-step wiring guide** tailored specifically for your **2025 Mustang GT 301A** using **Option A (Courtesy Lighting)**.

WIRING DIAGRAM — Courtesy-Activated Sill Plates (2024–2025 Mustang GT)

2024–2025 Mustang Courtesy Circuit
(Driver or Passenger Footwell Lamp)



Notes:

- ✓ Your sill plates have **two wires twisted per conductor** — treat them as a single +12 or Ground
- ✓ The sill plates draw very little power — safe for courtesy circuit
- ✓ No coding, resistors, or PWM filtering needed

STEP-BY-STEP INSTALL GUIDE (2025 Mustang GT)

This procedure works on **both sides** of the vehicle.

1 Remove the door sill trim

- Pull up gently from the edge closest to the seat
- It is held on by friction clips
- Set aside

2 Remove the kick panel / footwell trim

Driver side:

- Remove hood latch trim first
- Pull kick panel straight outward

Passenger side:

- Remove lower kick panel trim only

You just need enough access to reach the footwell lamp wiring.

3 Locate the Footwell Lamp

You will see a small LED module pointing downward.

Follow its wiring harness a few inches until you find the connector.

It has 2 wires:

- **Purple/Blue → Courtesy +12V**
- **Black → Ground**

This is your tap point.

4 Identify the wires

Here is what each does:

Function	Wire Color	Behavior
Courtesy +12V	Purple/ Blue	Turns on when door opens / unlock / fade out
Ground	Black	Chassis ground

These wires carry the exact signal the OEM sill plates use.

5 Prep your sill plate harness

From your sill plate, you have **4 black wires**:

- Two that are grouped → **+12V side**
- Two that are grouped → **Ground side**

Do this:

- ✓ **Twist each pair together**
- ✓ **Strip approx. 1/4 inch insulation**
- ✓ **Verify which pair is which (if unsure, I can help identify via photo)**

6 Make the connections

You now connect:

SILL +12V PAIR → Purple/Blue (courtesy +)

SILL GROUND PAIR → Black (ground)

Recommended connection method:

- **Posi-Taps** (best for non-destructive OEM-quality tapping)

- Or solder + heat shrink
- Avoid cheap crimp taps — they fail over time

7 Test before reassembly

Open your door:

- ✓ Sill should illuminate bright white
- ✓ Should fade out smoothly after a few seconds
- ✓ Should turn on again when hitting unlock on your key fob

If everything works → move to reassembly.

If not → tell me symptoms, I'll walk you through diagnosis.

8 Reassemble interior trims

- Snap kick panel back
- Reinstall sill trim
- Route wires so they cannot be pinched

All done.

✨ FINAL BEHAVIOR OF YOUR SILL PLATES

After wiring:

Event	Sill Lights
Door opens	ON
Unlock with key fob	ON
Vehicle closed / fade-out	OFF gracefully
Driving	OFF (normal)

This is the **same behavior** as factory-equipped illuminated sills.