

## Luxury Interiors.

Hidden-until-lit ambient lighting



### Overview.

A UK-based performance car manufacturer wanted to add an innovative, luxury feel to their latest model. Motherson was approached to design a lighting feature hidden within trim pieces along the door and glovebox fascia.

We introduced configurable lighting systems that allow vehicle occupants to adjust the color and intensity of ambient lights based on their personal needs – the latest in integrated comfort features from luxury car makers.

Trim pieces appear in a satin chrome finish, until lit, when ambient lighting appears in six colours, showing an intricate design. All features can be comfortably controlled by the driver.

### Expertise.

Motherson is proud to be part of the new era of luxury automotive innovations due to our expertise in advanced surface coatings and the trust of our customers globally. As trusted partners, we're able to work seamlessly with international car manufacturers, across time zones.

Our history within automotive means we have what it takes to build durable, high-quality products as expected by one of the world's leading sports car makers. Using the latest SPEOS and Catia software, our design team applied lighting simulation and advanced coating technology to meet the brief.

Durability and visual quality of our metallic finish is achieved using the combination of controlled applications of liquid hardcoat with our custom, high-throughput, magnetron sputtering system. The deposit of multi-layer thin film coatings, creates the luxurious appearance of satin chrome.

### Outcome.

The hidden-until-lit fascia and door finishers exceed the performance of electroplated chrome, are UV and abrasion resistant and will not yield to any common forms of corrosion, making them superior to any other comparable coatings.

We use optical-class, contaminant-free moulding processes to create high performance coated surfaces for complex components, all in our environmentally-controlled clean rooms.

The final product is shipped to the UK where it is part of the latest model build. We're proud to be leading the way in ambient lighting for luxury brands and their customers' enjoyment.

**Contact us for more information.**