



## IMSE® HALO EMBLEM FOR EASY BRAND ILLUMINATION

An ultra-thin, high-performance halo solution that sets a new benchmark in pedestrian safety compliance, enabled by the streamlined IMSE design.

The Illuminated IMSE® Emblem integrates LEDs and circuitry inside seamless, injection-molded plastics to form an ultra-thin (3.8 mm), conformal part with superior illumination performance. It delivers bright and uniform 360° halo light around the edge and requires only a small cut-out for the connector in the final assembly.

## PART OVERVIEW

- **Single-piece**, seamless design
- **Thickness:** 3.8 mm (0.15 inch)
- **Other measurements:**  
100 x 91 mm (3.9 x 3.6 inch)
- **Weight:** 16 g (0.56 oz)
- **In-mold electronics:** circuitry, lighting (low-power, top-shooting LEDs)
- **Light intensity:** 1 060 cd/m<sup>2</sup> at 1 lm
- **Validated reference design** with proven manufacturing capability



## KEY ADVANTAGES

**One-piece electronics integration:** full integration reduces components, interfaces, and assembly complexity.

**Thin and lightweight:** enables integration in tight spaces and meets pedestrian safety regulations when top-mounted on the car hood, enabling easy installation and requiring a small cut-out only for the connector.

**Design freedom:** flexibility for designing lighting and functionality on shaped surfaces.

**High-quality, uniform lighting:** daylight-visible, high-intensity, uniform illumination

**Low power consumption,** high light efficiency.

**Robust, production-ready construction:** encapsulated structure delivers stable performance and durability in demanding environments.

**Sustainable and cost-efficient choice:** Reduction in CO<sub>2</sub>-e from reduced material use, simplified supply chain, and minimized power consumption, while creating savings in costs.

*Comparison of the IMSE® Halo emblem assembly to a similar emblem built with conventional technology shows the significant reduction in assembly depth.*

## APPLICATIONS

- Automotive interior and exterior brand lighting
- Other mobility, including e-bikes, etc.
- Consumer electronics and smart home devices
- Aviation, rail and public transportation
- Medical and industrial devices

