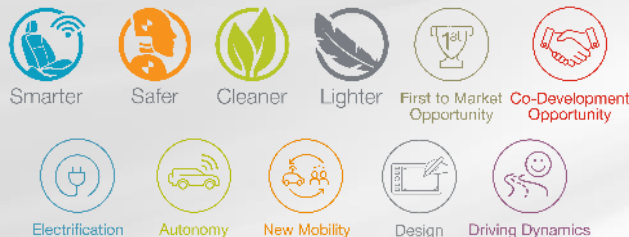


Lighting

Breakthrough Lighting

Enhance your vehicle exterior experience with our breakthrough lighting effects to achieve a unique brand identity. Breakthrough Lighting demonstrates how lighting advances the communication between the user, the vehicle and its surroundings.



Competitive advantage/differentiators

- Lighting through tinted polycarbonate and translucent TPO materials with unique paint ablation process
- Materials and processes are ADAS sensor compatible
- Seamless appearance with molded-in styling features and textures on A-surface
- Lighting elements have an appearance of hidden-until-lit
- Communication and safety through lighting

Applications

- Electric vehicles (EV)
- Internal combustion vehicles (ICE)
- Autonomous platforms

SOP

Ideation

Discovery

Concept

Development

Serial Preparation

in Production

Integration Panels

Thin, lightweight, scalable panels across the exterior of the vehicle that can integrate sensors, cameras, RADAR and functional lighting. This solution presents the perfect canvas to integrate various communications features and enhance design.



Smarter



Safer



Lighter

First to Market
OpportunityCo-Development
Opportunity

Electrification



Autonomy



New Mobility



Design



Magna Exclusive



Patent Pending

Competitive advantage/differentiators

- Lit surface decoration possibilities include chrome, paint, ink and film effects
- Thin, lightweight, panel with large-format in-mold film technology capable
- Hidden-until-lit lighting features
 - Advanced communications lighting
- Animated lighting sequence capability
- State-of-art ADAS sensor integration

Applications

- Electric vehicles
- Internal combustion vehicles
- All levels of autonomy capable
- Front end, rear end, side door, trim, fenders.

SOP

Ideation

Discovery

Concept

Development

Serial Preparation

in Production

FlecsForm™

Advanced lighting technology that utilizes high speed direct transfer technology of mini LEDs onto rigid or flexible circuits to enable thinner, more efficient lighting solutions to enhance styling.



Smarter



Safer



Cleaner



Lighter



Electrification



First to Market



Patented



Exclusive@Magna



Design

Co-Development
Opportunity

Competitive advantage/differentiators

- Uniform lighting in an extremely thin and flexible package
- Enables complex shapes and endless design possibilities
- Provides styling freedom for brand/series signature lighting
- Robust and cost-efficient OLED alternative light source
- Thermally efficient, low power consumption and lightweight
- Communication display capabilities
- Supports intricate animation function
- Functions – Tail, Stop, Turn, Backup
- White LED for high lumen output (fog, DRL, low beam)
- RGB color (SOP ready 2025)
- RFQ Ready

SOP

Ideation

Discovery

Concept

Development

Series Preparation

in Production

Lighting – Tail Lamps

OLED

OLED (Organic Light Emitting Diode) panels radiate light extremely homogeneous and precise. OLED does not require reflectors and the panels are very thin (1mm). Visually impressive new styles can be created.



Smarter



Safer



Cleaner



Electrification



First to Market



Patented



Design



Co-Development
Opportunity



Exclusive@Magna

Competitive advantage/differentiators

- Very thin lighting panels
- Very homogenous
- Panels can be segmented and animations can be created when switching on or off

Applications

- Tail light

SOP

Ideation

Discovery

Concept

Development

Serial Preparation

In Production

Ground Illumination & Projection Lighting

Exterior door handle with projection lighting and ground illumination that assists enhances styling and increases safety.



Smarter



Safer



Electrification



Design

Competitive advantage/differentiators

- Projection lighting may include logos for customer branding
- Compliments exterior lighting
- Provides supplementary lighting in dark areas
- Door handle location provides large area of illumination
- Lighting can be activated with passive keyless entry systems or key fob
- Illumination is available in multiple colors

SOP

Ideation

Discovery

Concept

Development

Serial Preparation

in Production



Forward. For all.